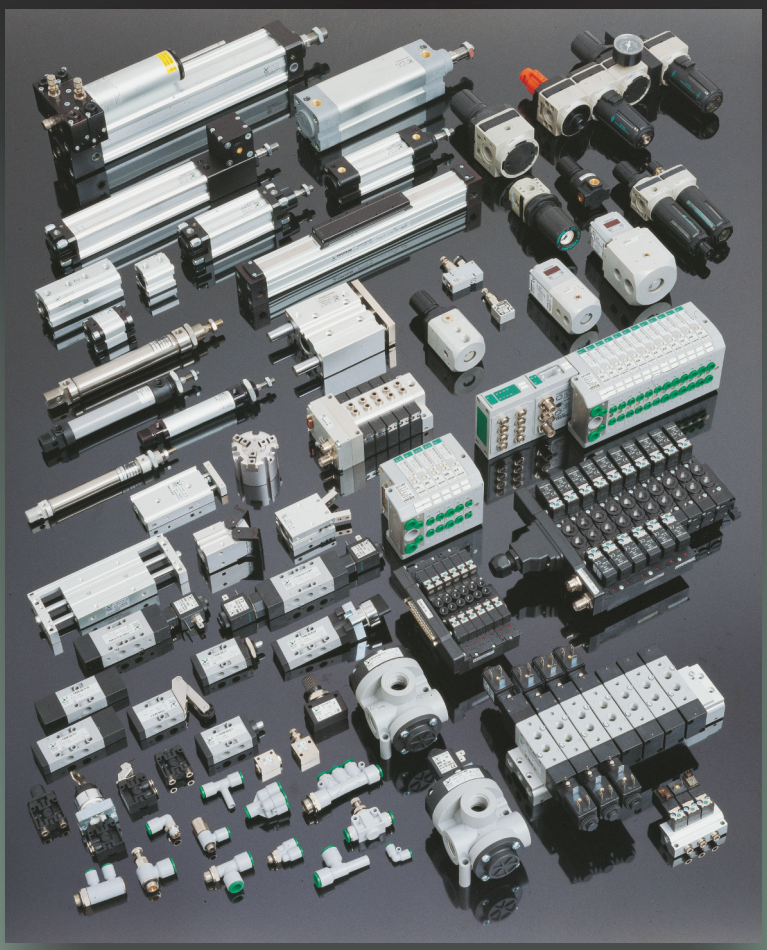
PNEUMAX

Components for pneumatic automation



PNEUMAX

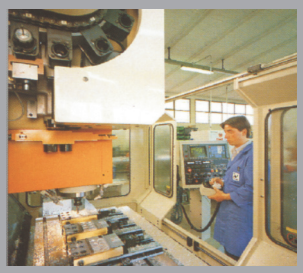
SALES PROGRAM

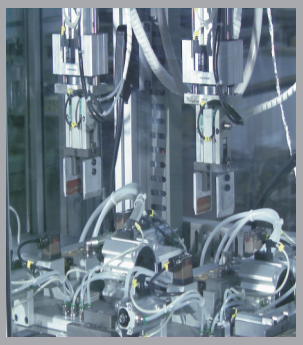
PNEUMAX

THE COMPANY

Founded in 1976, Pneumax is today one of the major European Manufacturer of components for pneumatics automation. The wide range of products, consolidated reputation, reliability proven by millions of faultless components operating in the market every year, before and after sales service supported by a large and highly qualified sales network, well known capability of understanding and satisfying any customers need, make Pneumax the ideal partner beside a supplier rich of idea, technology and innovation. Seven branches in Europe and Far East, three in Italy besides hundred exclusive Distributors ensure the distribution and service of our products around the world.
The Company is certified by SQS, System Quality Certification (Swiss Certification Entity) according to the Standard ISO 9001/EN 9001 from February 1993, for a continue improving of the internal activity, from planning to the sales of product.
Pneumax has obtained the renewal of the certification on 2005, valid till year 2008.
The other production units, Supermeccanica and Co.me.p. are certified ISO 9001 from 1993 as well as all other associated and distributors have obtained ISO 9002 certification for granting a quality service before and after the sales.

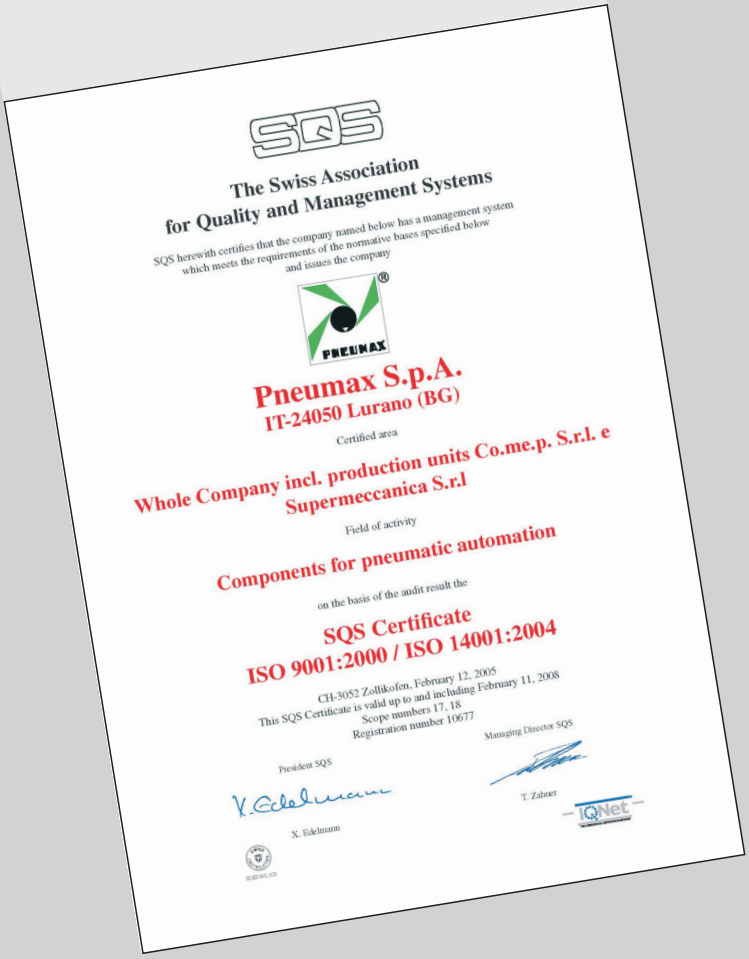
PNEUMAX





THE FACILITIES

During the last year Pneumax heavily invested in facilities by taking over 3 new companies specialized in products which are strategic for its own activity.
Year 1998 coincides with a period of growth with acquisition of additional 23.000 m² of land, bringing to an actual area of 77.000 m², 34.000 m² of which covered by buildings.
At the same time the existing production plant has been enlarged and improved with further machine tools of the latest generation, most of them numeric control.
Other investment regards assembling and testing equipment allowing the safe handling of these operations with the accuracy of electronic control.
Mother's company staff is now composed by more than 260 employees: workers, clerks and managers. Other personnel will be needed soon with the opening of new divisions. The staff of associated companies amounts to more than 100 employees for a group total over 350 people. The company is totally independent as far as the production is concerned, allowing an high capability to satisfy every possible customer's need.



SQS

The Swiss Association
for Quality and Management Systems

SQS herewith certifies that the company named below has a management system which meets the requirements of the normative bases specified below and issues the company

PNEUMAX

Pneumax S.p.A.
IT-24050 Lurano (BG)

Certified area

Whole Company incl. production units Co.me.p. S.r.l. e Supermeccanica S.r.l

Field of activity

Components for pneumatic automation

on the basis of the audit result the

SQS Certificate
ISO 9001:2000 / ISO 14001:2004

CH-3052 Zollikofen, February 12, 2005
This SQS Certificate is valid up to and including February 11, 2008
Scope numbers 17, 18
Registration number 10677

President SQS — X. Edelmann

Managing Director SQS — T. Zahner

IQNet

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and SQS
hereby certify that the organization

Pneumax S.p.A.
IT-24050 Lurano (BG)

Certified area

Whole Company incl. production units Co.me.p. S.r.l. e Supermeccanica S.r.l

Field of activity

Components for pneumatic automation

has implemented and maintains a
Management System
which fulfills the requirements of the following standards

ISO 9001:2000 / ISO 14001:2004

Scope Nos: 17, 18
Issued on: 2005-02-12
Validity date: 2008-02-11
Registration Number: ***CH-10677***

IQNet

Dr. Fabio Roversi
President of IQNet

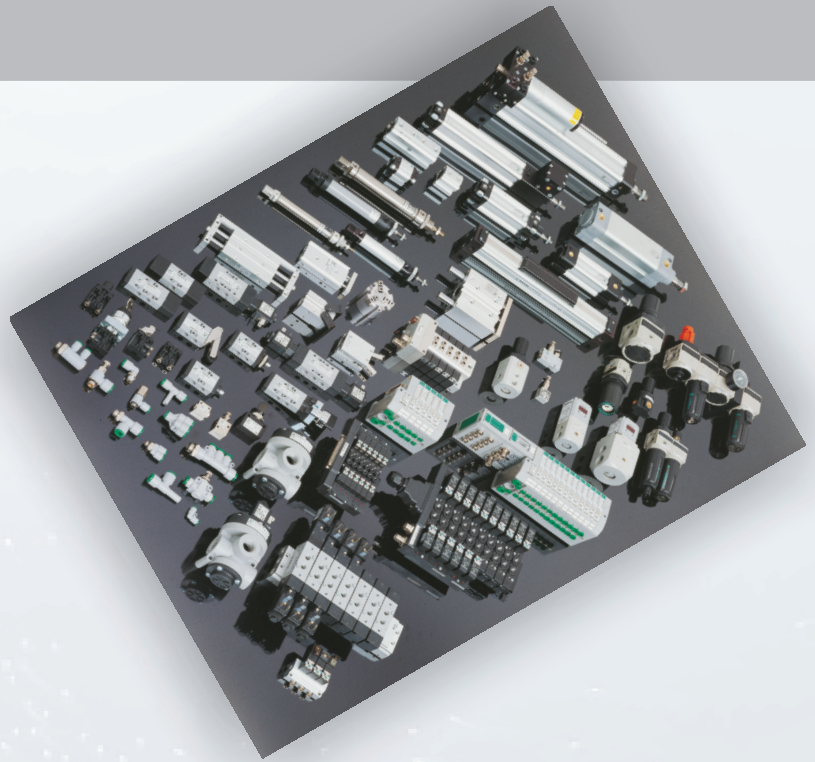
Theodor Zahner
Managing Director SQS

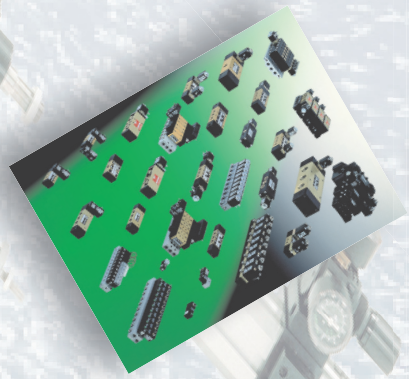
SQS

IQNet Partners:*
AENOR Spain AFAQ France AIB-Vinçotte International Belgium ANCE México APCER Portugal CISQ Italy CQC China CQM China CQS Czech Republic DQS Germany DS Denmark ELOT Greece FCAV Brazil FONDONORMA Venezuela HKQAA Hong Kong ICONTEC Colombia IMNC Mexico IRAM Argentina JQA Japan KEMA Netherlands KFQ Korea MSZT Hungary Nemko Certification Norway NSAI Ireland OQS Austria PCBC Poland PSB Certification Singapore QMI Canada RR Russia SAI Global Australia SFS Finland SII Israel SIQ Slovenia SQS Switzerland SRAC Romania TEST St Petersburg Russia
IQNet is represented in the USA by the following partners: AFAQ, AIB-Vinçotte International, CISQ, DQS, KEMA, NSAI, QMI and SAI Global
**The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com*

PNEUMAX

GENERAL INDEX





VALVES

1

Miniature Valves	2/2,3/2, 5/2, 5/3	tubo ø4 - M5
Valves	3/2, 5/2, 5/3	G1/8" G1/4" G1/2" G1"
Solenoid valves TECNO228	3/2, 5/2	G1/8”
Poppet valves	3/2	M5 G1/8"
Accessories		
Complementary valves		

SOLENOID VALVES

2

Direct operated solenoid valves	2/2, 3/2	
Pneumatic actuated valves	3/2, 5/2, 5/3	M5 G1/8" G1/4" G1/2" G1"
Solenoid valves	3/2, 5/2, 5/3	G1/8" G1/4" G1/2" G1"
Poppet valves and solenoid valves	3/2, 5/2	M5 G1/8" G1/4”
Solenoid valves TECNO - ECO	5/2, 5/3	G1/8”
Solenoid valves TECNO228	3/2, 5/2	G1/8”
Valves, solenoid valves for compressed air and vacuum	2/2, 3/2	G3/8" G1/2" G3/4" G1" G1 ½”
Valves, solenoid valves for compressed air and vacuum With body in technopolymer	2/2, 3/2	G3/4" G1/2
Distributors and electrodistributors	3/2, 5/2, 5/3	M5 G1/8" G1/4"
Distributors and electrodistributors ISO 5599/1	5/2, 5/3	Size 1, 2 e 3
Distributors and electrodistributors LINE - FLAT - VDMA	5/2, 5/3	10 mm - 18 mm - 26 mm

Solenoid valves Series ENOVA®

AIR SERVICE

3

Filters	Size 1, 2, 3, 4
Coalescing filters	Size 1, 2, 3, 4
Pressure regulators	Size 1, 2, 3, 4
High sensitive air press. regulator with high flow rate relieving	Size 1, 2, 3
Pressure regulator including manometer	Size 1, 2, 3
Lubricators	Size 1, 2, 3, 4
Filter - Pressure regulator	Size 1, 2, 3
Progressive start-up valve	Size 1, 2, 3, 4
Shut-off valve	Size 1, 2, 3, 4
Filter-Pressure regulator+Lubricator	Size 1, 2, 3
Filter+Pressure regulator+ Lubricator	Size 1, 2, 3, 4
Pressure switch	Size 1, 2, 3
Accessories	Size 1, 2, 3, 4
Proportional pressure regulators	Size 1, 3
Pressure boosters	

CYLINDERS

4

Microcylinders
Heavy duty tie rod cylinders CNOMO-CETOP-ISO
Cylinders according to ISO 6431 - VDMA 24562 (profile barrel)
Non - rotating cylinders (profile barrel)
Twin rod cylinders (profile barrel)
Hydraulic speed control checks cylinders
Short stroke compact cylinders
Compact cylinders “EUROPE”
Rodless cylinders
Cable cylinders
Sensors

MANIPULATION

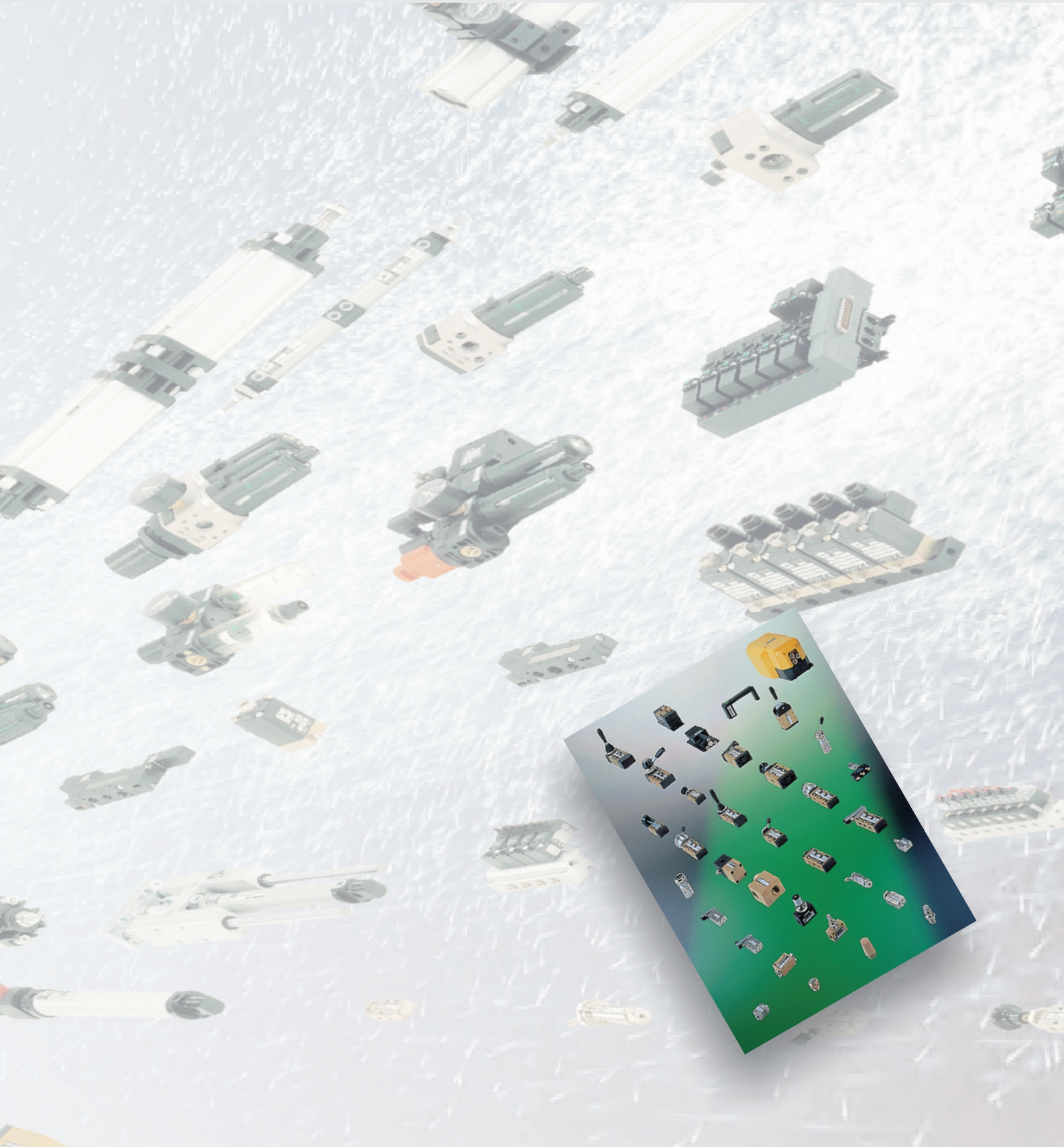
5

Guided compact cylinder	Series 6100
Twin rod slide unit	Series 6200
Push/pull twin rod slide unit	Series 6210
Pneumatics grippers	Series 6300
Rotary actuators	Series 6400

PNEUMAX

VALVES

1



Tube ø4 2/2

Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
	Tappet - spring, lateral connection N.C.	104.22.0.1.LC	13 N	10 bar	90 Nl/min	mm 2,5
	Tappet - spring, lateral connection N.O.	104.22.0.1.LA				
	Tappet - spring, rear connection N.C.	104.22.0.1.PC				
	Tappet - spring, rear connection N.O.	104.22.0.1.PA				
	Lever roller-spring, lateral connections, N.C.	104.22.2.1.LC	9 N			
	Lever roller-spring, lateral connections, N.O.	104.22.2.1.LA				
	Lever roller-spring, rear connections, N.C.	104.22.2.1.PC				
	Lever roller-spring, rear connections, N.O.	104.22.2.1.PA				
	Lever roller ball bearing-spring, lat. con., N.C.	104.22.2.1/1.LC				
	Lever roller ball bearing-spring, lat. con., N.O.	104.22.2.1/1.LA				
	Lever roller ball bearing-spring, rear con., N.C.	104.22.2.1/1.PC				
	Lever roller ball bearing-spring, rear con., N.O.	104.22.2.1/1.PA				
	Lever unidirectional, lateral connections, N.C.	104.22.3.1.LC				
	Lever unidirectional, lateral connections, N.O.	104.22.3.1.LA				
	Lever unidirectional, rear connections, N.C.	104.22.3.1.PC				
	Lever unidirectional, rear connections, N.O.	104.22.3.1.PA				
	Pneum. - spring, lateral connection N.C.	104.22.11.1.LC	/	10 bar (min. oper. pressure 2,5 bar)		
	Pneum. - spring, rear connection N.O.	104.22.11.1.LA				
	Pneum. - spring, lateral connection N.C.	104.22.11.1.PC				
	Pneum. - spring, rear connection N.O.	104.22.11.1.PA				
	Pushbutton - spring, lateral connec. N.C.	104.22.6.22/*.LC	18 N	10 bar		
	Pushbutton - spring, lateral connec. N.O.	104.22.6.22/*.LA				
	Pushbutton - spring, rear connec. N.C.	104.22.6.22/*.PC				
	Pushbutton - spring, rear connec. N.O.	104.22.6.22/*.PA				
	Pushbutton 2 pos., lateral connec. N.C.	104.22.6.31.LC				
	Pushbutton 2 pos., lateral connec. N.O.	104.22.6.31.LA				
	Pushbutton 2 pos., rear connec. N.C.	104.22.6.31.PC				
	Pushbutton 2 pos., rear connec. N.O.	104.22.6.31.PA				
	Raised pushbut. - spring lateral connec. N.C.	104.22.6.23/*LC				
	Raised pushbut. - spring lateral connec. N.O.	104.22.6.23/*.LA				
	Raised pushbut. - spring rear connec. N.C.	104.22.6.23/*.PC				
	Raised pushbut. - spring rear connec. N.O.	104.22.6.23/*.PA				
	Palm button 2 pos., lateral connec. N.C.	104.22.6.25.LC	19 N			
	Palm button 2 pos., lateral connec. N.O.	104.22.6.25.LA				
	Palm button 2 pos., rear connec. N.C.	104.22.6.25.PC				
	Palm button 2 pos., rear connec. N.O.	104.22.6.25.PA				
	Switch 2 pos. long lever, lateral conn. N.C.	104.22.6.27.LC	/			
	Switch 2 pos. long lever, lateral conn. N.O.	104.22.6.27.LA				
	Switch 2 pos. long lever, rear conn. N.C.	104.22.6.27.PC				
	Switch 2 pos. long lever, rear conn. N.O.	104.22.6.27.PA				
	Key switch, lateral connection N.C.	104.22.6.28.LC				
	Key switch, lateral connecction N.O.	104.22.6.28.LA				
	Key switch, rear connection N.C.	104.22.6.28.PC				
	Key switch, rear connecction N.O.	104.22.6.28.PA				

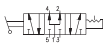
* 1 = Red 2 = Black 3 = Green 4 = Yellow

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
2/2		Switch 2 pos. short lever lateral conn. N.C.	104.22.6.30.LC	/	10 bar	90 Nl/min	mm 2,5
		Switch 2 pos. short lever lateral conn. N.O.	104.22.6.30.LA				
		Switch 2 pos. short lever rear conn. N.C.	104.22.6.30.PC				
		Switch 2 pos. short lever rear conn. N.O.	104.22.6.30.PA				
3/2		Tappet - spring lateral connection N.C.	104.32.0.1.LC	13 N			
		Tappet - spring lateral connection N.O.	104.32.0.1.LA				
		Tappet - spring rear connection N.C.	104.32.0.1.PC				
		Tappet - spring rear connection N.O.	104.32.0.1.PA				
		Lever roller-spring, lateral connections, N.C.	104.32.2.1.LC	9 N			
		Lever roller-spring, lateral connections, N.O.	104.32.2.1.LA				
		Lever roller-spring, rear connections, N.C.	104.32.2.1.PC				
		Lever roller-spring, rear connections, N.O.	104.32.2.1.PA				
		Lever roller ball bearing-spring, lat. con., N.C.	104.32.2.1/1.LC				
		Lever roller ball bearing-spring, lat. con., N.O.	104.32.2.1/1.LA				
		Lever roller ball bearing-spring, rear con., N.C.	104.32.2.1/1.PC				
		Lever roller ball bearing-spring, rear con., N.O.	104.32.2.1/1.PA				
		Lever unidirectional, lateral connections, N.C.	104.32.3.1.LC				
		Lever unidirectional, lateral connections, N.O.	104.32.3.1.LA				
		Lever unidirectional, rear connections, N.C.	104.32.3.1.PC				
		Lever unidirectional, rear connections, N.O.	104.32.3.1.PA				
		Pneum. - spring lateral connection N.C.	104.32.11.1.LC	/	10 bar (min. oper. pressure 2,5 bar)		
		Pneum. - spring rear connection N.O.	104.32.11.1.LA				
		Pneum. - spring lateral connection N.C.	104.32.11.1.PC				
		Pneum. - spring rear connection N.O.	104.32.11.1.PA				
		Pushbutton - spring lateral connec. N.C.	104.32.6.22/*.LC	18 N	10 bar		
		Pushbutton - spring lateral connec. N.O.	104.32.6.22/*.LA				
		Pushbutton - spring rear connec. N.C.	104.32.6.22/*.PC				
		Pushbutton - spring rear connec. N.O.	104.32.6.22/*.PA				
		Pushbutton 2 pos. lateral connec. N.C.	104.32.6.31.LC				
		Pushbutton 2 pos. lateral connec. N.O.	104.32.6.31.LA				
		Pushbutton 2 pos. rear connec. N.C.	104.32.6.31.PC				
		Pushbutton 2 pos. rear connec. N.O.	104.32.6.31.PA				
		Raised pushbut. - spring lateral connec. N.C.	104.32.6.23/*.LC				
		Raised pushbut. - spring lateral connec. N.O.	104.32.6.23/*.LA				
		Raised pushbut. - spring rear connec. N.C.	104.32.6.23/*.PC				
		Raised pushbut. - spring rear connec. N.O.	104.32.6.23/*.PA				
		Palm button 2 pos. lateral connec. N.C.	104.32.6.25.LC	19 N	10 bar	90 Nl/min	mm 2,5
		Palm button 2 pos. lateral connec. N.O.	104.32.6.25.LA				
		Palm button 2 pos. rear connec. N.C.	104.32.6.25.PC				
		Palm button 2 pos. rear connec. N.O.	104.32.6.25.PA				
		Switch 2 pos. long lever lateral conn. N.C.	104.32.6.27.LC	/			
		Switch 2 pos. long lever lateral conn. N.O.	104.32.6.27.LA				
		Switch 2 pos. long lever rear conn. N.C.	104.32.6.27.PC				
		Switch 2 pos. long lever rear conn. N.O.	104.32.6.27.PA				

* 1 = Red 2 = Black 3 = Green 4 = Yellow

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
		Key switch lateral connection N.C.	104.32.6.28.LC	/	10 bar	90 Nl/min	mm 2,5
		Key switch lateral connection N.O.	104.32.6.28.LA				
		Key switch rear connection N.C.	104.32.6.28.PC				
		Key switch rear connection N.O.	104.32.6.28.PA				
		Switch 2 pos. short lever lateral conn. N.C.	104.32.6.30.LC				
		Switch 2 pos. short lever lateral conn. N.O.	104.32.6.30.LA				
		Switch 2 pos. short lever rear conn. N.C.	104.32.6.30.PC				
		Switch 2 pos. short lever rear conn. N.O.	104.32.6.30.PA				
5/2		Pushbutton - spring lateral connection	104.52.6.22/*.L	30N	10 bar	90 Nl/min	mm 2,5
		Pushbutton - spring rear connection	104.52.6.22/*.P				
		Pushbutton 2 pos. lateral connection	104.52.6.31.L				
		Pushbutton 2 pos. rear connection	104.52.6.31.P				
		Raised pushbut. - spring lateral connection	104.52.6.23/*.L				
		Raised pushbut. - spring rear connection	104.52.6.23/*.P				
		Palm button 2 pos. lateral connection	104.52.6.25.L	32N			
		Palm button 2 pos. rear connection	104.52.6.25.P				
		Switch long lever 2 pos. stable lateral conn.	104.52.6.27.L	/			
		Switch long lever 2 pos. stable rear conn.	104.52.6.27.P				
		Key switch 2 pos. stable lateral connection	104.52.6.28.L				
		Key switch 2 pos. stable rear connection	104.52.6.28.P				
		Switch 2 pos. stable short lever lateral conn.	104.52.6.30.L				
		Switch 2 pos. stable short lever rear conn.	104.52.6.30.P				
5/3 Open Centres		Switch long lever 3 pos. instable lat. connec.	104.53.32.6.27.0.L				
		Switch long lever 3 pos. instable rear connec.	104.53.32.6.27.0.P				
		Switch long lever 3 pos. stable lateral connec.	104.53.32.6.27.1.L				
		Switch long lever 3 pos. stable rear connec.	104.53.32.6.27.1.P				
		Kej switch 3 pos. instable lateral connection	104.53.32.6.28.0.L				
		Kej switch 3 pos. instable rear connection	104.53.32.6.28.0.P				
		Kej switch 3 pos. stable lateral connection	104.53.32.6.28.1.L				
		Kej switch 3 pos. stable rear connection	104.53.32.6.28.1.P				
		Switch short lever 3 pos. instable lateral conn.	104.53.32.6.30.0.L				
		Switch short lever 3 pos. instable rear conn.	104.53.32.6.30.0.P				
		Switch short lever 3 pos. stable lateral conn.	104.53.32.6.30.1.L				
		Switch short lever 3 pos. stable rear conn.	104.53.32.6.30.1.P				
5/3 Pressured Centres		Switch long lever 3 pos. instable lat. connec.	104.53.33.6.27.0.L	/	10 bar	90 Nl/min	mm 2,5
		Switch long lever 3 pos. instable rear connec.	104.53.33.6.27.0.P				
		Switch long lever 3 pos. stable lateral connec.	104.53.33.6.27.1.L				
		Switch long lever 3 pos. stable rear connec.	104.53.33.6.27.1.P				
		Kej switch 3 pos. instable lateral connection	104.53.33.6.28.0.L				
		Kej switch 3 pos. instable rear connection	104.53.33.6.28.0.P				
		Kej switch 3 pos. stable lateral connection	104.53.33.6.28.1.L				
		Kej switch 3 pos. stable rear connection	104.53.33.6.28.1.P				
		Switch short lever 3 pos. instable lateral conn.	104.53.33.6.30.0.L				
		Switch short lever 3 pos. instable rear conn.	104.53.33.6.30.0.P				

* 1 = Red 2 = Black 3 = Green 4 = Yellow

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
5/3 Pressured Centres		Switch short lever 3 pos. stable lateral conn.	104.53.33.6.30.1.L	/	10 bar	90 Nl/min	mm 2,5
		Switch short lever 3 pos. stable rear conn.	104.53.33.6.30.1.P				
Accessories		Complet pneumatic operator	104.11	/	/	/	/
		Complet lever roller operator	104.2.1				
		Complet lever roller ball bearing operator	104.2.1/1				
		Complet lever unidirectional operator	104.3.1				
		Push button	104.6.22/*				
		Raised push button	104.6.23/*				
		Palm button 2 positions	104.6.25				
		Switch long lever 2 positions stable	104.6.27				
		Switch long lever 3 positions instable	104.6.27.0				
		Switch long lever 3 positions stable	104.6.27.1				
		Kej switch 2 positions stable	104.6.28				
		Kej switch 3 positions instable	104.6.28.0				
		Kej switch 3 positions stable	104.6.28.1				
		Switch short lever 2 positions stable	104.6.30				
		Switch short lever 3 positions instable	104.6.30.0				
		Switch short lever 3 positions stable	104.6.30.1				
		Push button 2 pos. (step. - step.)	104.6.31				
		Fixing plate (complet with fixing screws)	104.00				
		Contact electric element N.C.	104.NC				
		Contact electric element N.O.	104.NA				

* 1 = Red 2 = Black 3 = Green 4 = Yellow

M5

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
3/2		Tappet-spring	105.32.0.1	14 N	10 bar	120 Nl/min	mm 2,5
		Lever roller spring	105.32.2.1	6 N			
		Lever roller ball bearings spring	105.32.2.1/1				
		Lever button spring	105.32.2.6/*				
		Lever unidirectional spring	105.32.3.1				
		Lever panel Ø 22 - 2 positions	105.32.4/*	/			
		Lever panel Ø 30 - 2 positions	105.32.5/*				
		Push button Ø 30 spring	105.32.6.1/*	14 N			
		Push button Ø 22 spring	105.32.6.2/*				
		Push button spring	105.32.6.22/**				
		Raised push button spring	105.32.6.23/**				
		Switch - 2 positions	105.32.6.27	/			
		Key switch - 2 positions	105.32.6.28				
		Handle with valve N.O.	105.32.6.40A	14 N			
		Handle with valve N.C.	105.32.6.40C				
		Palm pushbutton Ø 30 spring	105.32.7.1/*				
		Palm pushbutton Ø 22 spring	105.32.7.2/*				
		Push button spring	105.32.8.1/*				
		Push button - 2 positions	105.32.8/*	3 N			
		Whisker spring	105.32.9.1				
5/2		Tappet spring	105.52.0.1	14 N	10 bar	120 Nl/min	mm 2,5
		Lever roller spring	105.52.2.1	6 N			
		Lever roller ball bearing spring	105.52.2.1/1				
		Lever button spring	105.52.2.6/*				
		Lever roller unidirectional spring	105.52.3.1				
		Lever panel Ø 22 - 2 positions	105.52.4/*	/			
		Lever panel Ø 30 - 2 positions	105.52.5/*				
		Push button Ø 30 spring	105.52.6.1/*	14 N			
		Push button Ø 22- spring	105.52.6.2/*				
		Push button spring	105.52.6.22/**				
		Raised push button-spring	105.52.6.23/**				
		Switch 2 positions	105.52.6.27	/			
		Key switch 2 positions	105.52.6.28				
		Left Handle with valve	105.52.6.40	14 N			
		Right Handle with valve	105.52.6.40D				
		Palm push button Ø 30 spring	105.52.7.1/*				
		Palm push button Ø 22 spring	105.52.7.2/*				
		Push button - spring	105.52.8.1/*				
		Push button 2 positions	105.52.8/*	3 N			
		Whisker - Spring	105.52.9.1	/			

* 1 = Red 2 = Black 3 = Green
** 1 = Red 2 = Black 3 = Green 4 = Yellow

G1/8"

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
3/2		Tappet spring	228.32.0.1	33 N	10 bar	540 Nl/min	mm 6
		Tappet panel spring	228.32.1.1				
		Pedal aluminium 2-positions	228.32.10	/			
		Pedal aluminium spring	228.32.10.1				
		Pedal protected spring	228.32.10.1/1				
		Pedal prot. - Spring (no safety dev.)	228.32.10.2/1				
		Pedal protected - 2 positions	228.32.10/1				
		Lever plastic roller spring	228.32.2.1	15 N			
		Lever roller ball bearings spring	228.32.2.1/1				
		Lever metal roller spring	228.32.2.1/2				
		Lever button spring	228/.32.2.6/*				
		Switch lateral 2-positions	228.32.27	/			
		Lever roller unidirectional spring	228.32.3.1	15 N			
		Lever roller unidirectional spring	228.32.3.1/2				
		Lever roller lateral bidirect. spring	228.32.4.1	/			
		Lever sensitive differential	228.32.4.13				
		Lever panel Ø 30 2-positions	228.32.5/*				
		Lever front 2-positions	228.32.55/*				
		Push button Ø 30 spring	228.32.6.1/*	33 N			
		Sensitive push button Ø 30 diff.	228.32.6.13/*	18,5 N			
		Push button spring	228.32.6.22/**	33 N			
		Raised push button spring	228.32.6.23/**				
		Palm button 2-positions	228.32.6.25				
		Switch 2 positions	228.32.6.27	/			
		Key switch 2-positions	228.32.6.28				
		Palm push button Ø 30 spring	228.32.7.1/*	33 N			
		Push button spring	228.32.8.1/*				
		Push button 2-positions	228.32.8/*	10 N			
		Lever lateral spring	228.32.9.1/*	/			
		Lever lateral 2 positions	228.32.9/*				
5/2		Tappet spring	228.52.0.1	33 N	10 bar	540 Nl/min	mm 6
		Tappet panel spring	228.52.1.1				
		Pedal aluminium 2 positions	228.52.10	/			
		Pedal aluminium spring	228.52.10.1				
		Pedal protected - spring	228.52.10.1/1				
		Pedal prot. - spring (no safety dev.)	228.52.10.2/1				
		Pedal plastic spring (miniatur)	228.52.10.1P				
		Pedal spring(miniat.stainless spool)	228.52.10.1PX				
		Pedal protected 2 positions	228.52.10/1				
		Lever plastic roller spring	228.52.2.1	15 N			
		Lever roller ball bearings - spring	228.52.2.1/1				
		Lever metal roller- spring	228.52.2.1/2				
		Lever button - spring	228.52.2.6/*				
		Switch lateral - 2 positions	228.52.27	/			
		Lever roller unidirectional - spring	228.52.3.1	15 N			

G 1/8"

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
5/2		Lever roller, unidirectional spring	228.52.3.1/2	15 N	10 bar	540 Nl/min	mm 6
		Lever roller lateral bidir. - spring	228.52.4.1	/			
		Lever sensitive differential	228.52.4.13				
		Lever panel Ø 30 - 2 positions	228.52.5/*				
		Lever front 2 positions	228.52.55/*				
		Push button Ø 30 spring	228.52.6.1/*	33 N			
		Sensitive pushbutton Ø 30 differ.	228.52.6.13/*	18,5 N			
		Push button spring	228.52.6.22/**	33 N			
		Raised push button spring	228/.52.6.23/**				
		Palm pushbutton 2 positions	228/.52.6.25				
		Switch 2 positions	228.52.6.27	/			
		Key switch 2positions	228.52.6.28				
		Palm push button Ø 30 spring	228.52.7.1/*	33 N			
		Pushbutton spring	228.52.8.1/*				
		Push button 2 positions	228.52.8/*	10 N			
		Lever lateral spring	228.52.9.1/*				
		Lever lateral 2 positions	228.52.9/*				
5/3		Pedal spring - 3 positions	228.53.31.10.1	/	10 bar	410 Nl/min	mm 6
		Lever lat. spring 3 pos. closed c.	228.53.31.9.1/*				
		Lever lateral 3 pos. closed c.	228.53.31.9/*				
		Pedal spring 3- pos. O.C.	228.53.32.10.1				
		Lever lateral spring 3 pos. open c.	228.53.32.9.1/*				
		Lever lateral 3 pos. open centres	228.53.32.9/*				
		Lever central (2 positions)	228.53.32.99.2/***				
		Lever central (3 positions)	228.53.32.99.3/***				
		Lever central - spring 3 positions	228.53.32.99/***				

* 1 = Red 2 = Black 3 = Green
** 1 = Red 2 = Black 3 = Green 4 = Yellow
*** 1 = Red 2 = Black

G1/8"

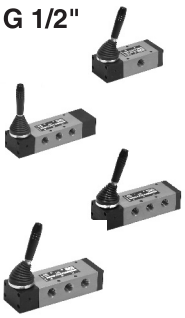
	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
3/2		Tappet spring	T228.32.0.1	33 N	10 bar	620 Nl/min	mm 6
		Tappet panel spring	T228.32.1.1				
		Lever plastic roller spring	T228.32.2.1	15 N			
		Lever roller ball bearings spring	T228.32.2.1/1				
		Lever metal roller spring	T228.32.2.1/2				
		Lever button spring	T228/.32.2.6/*				
		Lever roller unidirectional spring	T228.32.3.1	15 N			
		Lever roller unidirectional spring	T228.32.3.1/2				
		Lever panel Ø 30 2-positions	T228.32.5/*	/			
		Push button Ø 30 spring	T228.32.6.1/*	33 N			
		Push button spring	T228.32.6.22/**	33 N			
		Raised push button spring	T228.32.6.23/**				
		Palm button 2-positions	T228.32.6.25				
		Switch 2 positions	T228.32.6.27	/			
		Key switch 2-positions	T228.32.6.28				
		Palm push button Ø 30 spring	T228.32.7.1/*	33 N			
		Push button spring	T228.32.8.1/*				
		Push button 2-positions	T228.32.8/*	10 N			
		Lever lateral spring	T228.32.9.1/*	/			
		Lever lateral 2 positions	T228.32.9/*				
5/2		Tappet spring	T228.52.0.1	33 N			
		Tappet panel spring	T228.52.1.1				
		Lever plastic roller spring	T228.52.2.1	15 N			
		Lever roller ball bearings - spring	T228.52.2.1/1				
		Lever metal roller- spring	T228.52.2.1/2				
		Lever button - spring	T228.52.2.6/*				
		Lever roller unidirectional - spring	T228.52.3.1				
		Lever roller, unidirectional spring	T228.52.3.1/2	15 N			
		Lever panel Ø 30 - 2 positions	T228.52.5/*	/			
		Push button Ø 30 spring	T228.52.6.1/*	33 N			
		Push button spring	T228.52.6.22/**	33 N			
		Raised push button spring	T228/.52.6.23/**				
		Palm pushbutton 2 positions	T228/.52.6.25				
		Switch 2 positions	T228.52.6.27	/			
		Key switch 2positions	T228.52.6.28				
		Palm push button Ø 30 spring	T228.52.7.1/*	33 N			
		Pushbutton spring	T228.52.8.1/*				
		Push button 2 positions	T228.52.8/*	10 N			
		Lever lateral spring	T228.52.9.1/*				
		Lever lateral 2 positions	T228.52.9/*				
5/3		Lever lat. spring 3 pos. closed c.	T228.53.31.9.1/*		10 bar	410 Nl/min	mm 6
		Lever lateral 3 pos. closed c.	T228.53.31.9/*				
		Lever lateral spring 3 pos. open c.	T228.53.32.9.1/*				
		Lever lateral 3 pos. open centre	T228.53.32.9/*				

G 1/4"

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
3/2		Tappet spring	224.32.1.1	71,5 N	10 bar	1360 Nl/min	mm 8
		Pedal aluminium 2 positions	224.32.10	/			
		Pedal aluminium - spring	224.32.10.1				
		Pedal protected 2 positions	214.32.10/1				
		Pedal protected - spring	214.32.10.1/1				
		Pedal prot. - spring (no safety dev.)	214.32.10.2/1	35 N			
		Lever roller spring	224.32.2.1				
		Lever roller unidirectional - spring	224.32.3.1	10 N			
		Push button 2 positions	224.32.8	71,5 N			
		Push button spring	224.32.8.1	/			
		Lever lateral - spring	224.32.9.1/*				
		Lever lateral 2 positions	224.32.9/*				
5/2		Tappet spring	224.52.1.1	71,5 N	10 bar	1360 Nl/min	mm 8
		Pedal aluminium 2 positions	224.52.10	/			
		Pedal aluminium- spring	224.52.10.1				
		Pedal protected 2 positions	214.52.10/1				
		Pedal protected spring	214.52.10.1/1				
		Pedal protected -spring (no saf.)	214.52.10.2/1				
		Lever roller spring	224.52.2.1	35 N			
		Lever roller unidirectional -spring	224.52.3.1				
		Push button 2 positions	224.52.8	10 N			
		Push button -spring	224.52.8.1	71,5 N			
		Lever lateral spring	224.52.9.1/*				
		Lever lateral 2 positions	224.52.9.2	/	10 bar	1020 Nl/min	mm 7
		Lever lateral with bloc. dev. 2 pos.	224.52.9/*	/	10 bar	1360 Nl/min	mm 8
5/3		Pedal 3 positions closed centres	224.53.31.10	/	10 bar	1280 Nl/min	mm 8
		Pedal - spring 3 pos. closed c.	224.53.31.10.1				
		Lever lat. - spring 3 pos. closed c.	224.53.31.9.1/*				
		Lever lateral 3 pos. closed c.	224.53.31.9.2		10 bar	1020 Nl/min	mm 7
		Lev. lat. bloc. dev.-spring 3 pos. c. c.	224.53.31.9/*		10 bar	1280 Nl/min	mm 8
		Pedal aluminium 3 pos.open c.	224.53.32.10				
		Pedal alum. spring 3 pos. open c.	224.53.32.10.1				
		Lever lat. - spring 3 pos. open c.	224.53.32.9.1/*		10 bar	1280 Nl/min	mm 8
		Lever lateral 3 pos. open centres	224.53.32.9.2		10 bar	1020 Nl/min	mm 7
		Lev. lat. bloc. dev.-spring 3 pos. o. c.	224.53.32.9/*		10 bar	1280 Nl/min	mm 8

G 1/4" Compact series

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
3/2		Tappet spring	214/2.32.0.1	51 N	10 bar	970 Nl/min	mm 7
		Lever roller spring	214/2.32.2.1	24 N			
		Lever roller ball bearing spring	214/2.32.2.1/1				
		Lever roller spring	214/2.32.2.1/2				
		Lever button spring	214/2.32.2.6/*				
		Lever roller, unidirectional spring	214/2.32.3.1				
		Lever roller, unidirectional spring	214/2.32.3.1/2				
		Lever rotating 2 positions	214/2.32.5	/			
		Lever front 2 positions	214/2.32.55/*				
		Push button spring	214/2.32.8.1/*	51 N			
		Push button 2 positions	214/2.32.8/*	10 N			
5/2		Tappet spring	214/2.52.0.1	51 N	10 bar	970 Nl/min	mm 7
		Lever roller spring	214/2.52.2.1	24 N			

		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
G 1/4" Compact series 	5/2		Lever roller ball bearing spring	214.52.2.1/1	24 N	10 bar	970 Nl/min	mm 7
			Lever roller spring	214.2.52.2.1/2				
			Lever button spring	214/2.52.2.6/*				
			Lever roller unidirectional spring	214/2.52.3.1				
			Lever roller unidirectional spring	214/2.52.3.1/2				
			Lever rotating 2 positions	214/2.52.5	/			
			Lever front 2 positions	214/2.52.55/*				
			Push button spring	214/2.52.8.1/*	51 N			
			Push button 2 positions	214/2.52.8/*	10 N			
G 1/2" 	3/2		Lever lateral 2 positions	212.32.9	/	10 bar	3500 Nl/min	mm 15
			Lever lateral spring	212.32.9.1				
	5/2		Lever lateral 2 positions	212.52.9	/	10 bar	3500 Nl/min	mm 15
			Lever lateral spring	212.52.9.1				
	5/3		Lever lateral 3 pos. closed c.	212.53.31.9	/	10 bar	3000 Nl/min	mm 15
			Lever lat. spring 3 pos. closed c.	212.53.31.9.1				
			Lever lat. 3 positions open c.	212.53.32.9				
			Lever lateral 3 positions open c.	212.53.32.9.1				
G 1" 	3/2		Lever lateral 2 positions	211.32.9	/	10 bar	6500 Nl/min	mm 20
			Lever lateral spring	211.32.9.1				
	5/2		Lever lateral 2 positions	211.52.9	/	10 bar	6500 Nl/min	mm 20
			Lever lateral spring	211.52.9.1				
	5/3		Lever lateral 3 positions closed c.	211.53.31.9	/	10 bar	6500 Nl/min	mm 20
			Lever lat. spring 3 pos.closed c.	211.53.31.9.1				
			Lever lateral 3 positions open c.	211.53.32.9				
			Lever lat. - spring 3 pos.open c.	211.53.32.9.1				

* 1 = Red 2 = Black 3 = Green

		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
M5 	3/2		Tappet spring	705.32.0.1	21,5 N	10 bar	120 Nl/min	mm 2,5
			Lever roller spring	705.32.2.1	10 N			
			Lever roller ball bearing spring	705.32.2.1/1				
			Lever button spring	705.32.2.6/*				
			Lever roller unidirectional spring	705.32.3.1				
			Lever panel Ø 30 - 2 positions	705.32.5	/			
			Lever panel Ø 22 - 2 positions	705.32.55/*				
			Lever button Ø 30 - spring	705.32.6.1/*	21,5 N			
			Pushbutton Ø 22 - spring	705.32.6.2/*				
			Palm pushbutton Ø 30 mm - spring	705.32.7.1/*				
			Palm pushbutton Ø 22 mm - spring	705.32.7.2/*				
			Whisker spring	705.32.9.1	/			

* 1 = Red 2 = Black 3 = Green

POPPET VALVES
(series 700, section 1)

PNEUMAX

	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
G 1/8" 		Tappet spring	718.32.01	44 N	10 bar	570 Nl/min	5,5 mm
		Lever roller spring	718.32.2.1	20 N			
		Lever roller spring	718.32.2.1/2				
		Lever roller ball bearing spring	718.32.2.1/1				
		Lever button spring	718.32.2.6/*				
		Lever roller unidirectional spring	718.32.3.1				
		Lever roller unidirectional spring	718.32.3.1/2				
		Push button Ø 30 mm spring	718.32.6.1/*	44,3 N			
		Palm push button Ø 30 mm spring	718.32.7.1/*				

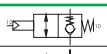
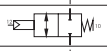
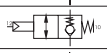
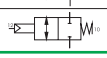
* 1 = Red 2 = Black 3 = Green

ACCESSORIES
(Series 600, section 1)

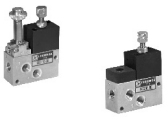
PNEUMAX

		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
Miniature flow control valve 	M5 tube ø3		Bidirectional	6.01.305.1.1	/	10 bar	/	mm 1,5
			Bidirectional button	6.01.305.1.1P				
			Unidirectional 1-2	6.01.305.1.2				
			Unidirectional 2-1	6.01.305.2.1				
			Unidirectional button 1-2	6.01.305.1.2P				
			Unidirectional button 2-1	6.01.305.2.1P				
	M5 tube ø3,17		Bidirectional	6.01.315.1.1				
			Bidirectional button	6.01.315.1.1P				
			Unidirectional 1-2	6.01.315.1.2				
			Unidirectional 2-1	6.01.315.2.1				
			Unidirectional button 1-2	6.01.315.1.2P				
			Unidirectional button 2-1	6.01.315.2.1P				
	M5 tube ø4		Bidirectional	6.01.45.1.1				
			Bidirectional button	6.01.45.1.1P				
			Unidirectional 1-2	6.01.45.1.2				
			Unidirectional 2-1	6.01.45.2.1				
			Unidirectional button 1-2	6.01.45.1.2P				
			Unidirectional button 2-1	6.01.45.2.1P				
Flow control valve 	M5		Unidirectional connection in line	6.01.05	/	10 bar	/	mm 2
			Bidirectional connection in line	6.01.05/2				
			Unidirectional connection at 90°	6.01.05.90				
			Bidirectional connection at 90°	6.01.05.90/2				
			Unidirectional through screw	6.01.05.180				
			Bidirectional trough screw	6.01.05.180/2				
	G1/8"		Unidirectional ultra sensitive	6.01.18/4	/	10 bar	/	mm 3
			Bidirectional ultra sensitive	6.01.18/5				
			Unidirec. ultra sens. with lock nut	6.01.18/6				
			Bidirec. ultra sens. with lock nut	6.01.18/7				

		Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
	G 1/8"		Unidirectional	6.01.18.N	/	10 bar	/	mm 4
			Unidirectional fine	6.01.18.NE				
			Bidirectional	6.01.18/1.N				
			Bidirectional fine with nut	6.01.18/1.NE				
	G 1/4"		Unidirectional	6.01.14/1	/	10 bar	/	mm 5,5
			Unidirectional	6.01.14.N	/	10 bar	/	mm 7
			Bidirectional	6.01.14/1.N				
	G 1/2"		Unidirectional	6.01.12.N	/	10 bar	/	mm 12
			Bidirectional	6.01.12/1.N				
	G 3/4"		Unidirectional	6.01.34				
Quick exhaust valves 			M5	6.02.05	/	10 bar	120 Nl/min	/
			G 1/8"	6.02.18			480 Nl/min	
			G 1/4"	6.02.14			960 Nl/min	
			G 1/2"	6.02.12			3300 Nl/min	
In line quick exhaust valves 			M5, M5 inlet connection	6.02 M5.M5L		10 bar	90 Nl/min	
			M7, M5 inlet connection	6.02.M5.M7L		10 bar	110 Nl/min	
			G1/8", M5 inlet connection	6.02.M5.18L				
			M5, ø4 tube inlet connection	6.02.04.M5L	/	10 bar	90 Nl/min	/
			M7, ø4 tube inlet connection	6.02.04.M7L		10 bar	110 Nl/min	
			G1/8", ø4 tube inlet connection	6.02.04.18L				
Exhaust flow control 			M5	6.03.05	/	/	/	/
			G 1/8"	6.03.18				
			G 1/4"	6.03.14				
			G 1/2"	6.03.12				
Shuttle valve 			"OR" M5	6.04.05	/	10 bar	110 Nl/min	/
			"OR" G 1/8"	6.04.18			700 Nl/min	
			"OR" G 1/4"	6.04.14			2200 Nl/min	
			"AND" M5	6.04.05/1			100 Nl/min	
			"AND" G 1/8"	6.04.18/1			480 Nl/min	
			"OR"Ø4	6.04.04	/	10 bar	105 Nl/min	mm 2,5
			"OR" Ø4	6.04.04/1			105 Nl/min	
Silencers steel wool 			G 1/8"	6.05.18	/	/	/	/
			G 1/4	6.05.14				
			G 3/8"	6.05.38				
			G 1/2"	6.05.12				
Silencers brass 			M5	6.06.05	/	/	/	/
			G 1/8"	6.06.18				
			G 1/4"	6.06.14				
			G 3/8"	6.06.38				
			G 1/2"	6.06.12				
			G 3/4"	6.06.34				
			G 1"	6.06.01				

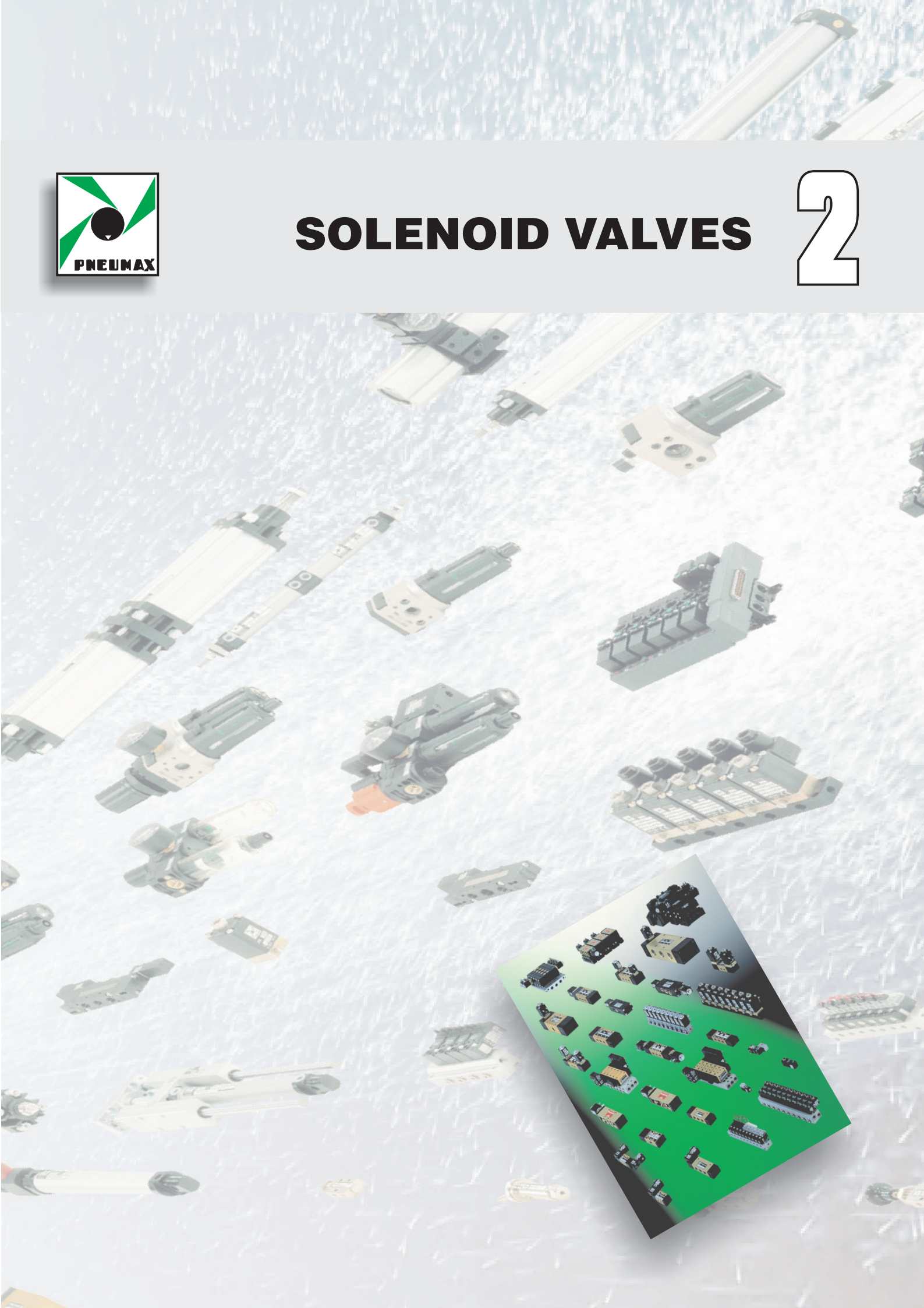
	Symbol	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
Poppet check valves 		Poppet NBR M5	6.07.05	/	max 10 bar	160 Nl/min	/
		Poppet NBR G 1/8"	6.07.18			650 Nl/min	
		Poppet NBR G 1/8" reduced	6.07.18R			100 Nl/min	
		Poppet NBR G 1/4"	6.07.14			1150 Nl/min	
		Poppet NBR G 3/8"	6.07.38			2600 Nl/min	
		Poppet NBR G 1/2"	6.07.12			3500 Nl/min	
		Poppet Viton® G 1/8"	6.07.18V			650 Nl/min	
		Poppet Viton® G 1/8" reduced	6.07.18VR			100 Nl/min	
		Poppet Viton® G 1/4"	6.07.014V			1150 Nl/min	
		Poppet Viton® G 3/8"	6.07.38V			2600 Nl/min	
		Poppet Viton® G 1/2"	6.07.12V			3500 Nl/min	
Manifold  		4 connections M5	6.08.05/4	/	max 20 bar	/	/
		4 connections G 1/8"	6.08.18/4				
		4 connections G 1/4"	6.08.14/4				
		4 connections G 3/8"	6.08.38/4				
		4 connections G 1/2"	6.08.12/4				
		10 connections M5	6.08.05/8				
		10 connections G 1/8"	6.08.18/8				
		10 connections G 1/4"	6.08.14/8				
Block valves  G 1/4"		Unidirectional	6.09.14.UN.	/	4 ÷10 bar	700 Nl/min	mm 7
		Bidirectional	6.09.14.BN				
G 1/2"		Unidirectional	6.09.12.UN	/	4 ÷10 bar	2000 Nl/min	mm 12
		Bidirectional	6.09.12.BN				
Economizer 		G 1/8" (adj. range 0 to 5.5 bar)	6.11.18	/	max 10 bar	860 Nl/min	mm 6
		G 1/4 (adj. range 0 to 5.5 bar)	6.11.14				
Manifold G 1/8” 		Max. valve thickness 18 mm	6.10.18.18/*	/	/	/	/
		Max. valve thickness 25 mm	6.10.18.25/*				
		Max. valve thickness 26 mm	6.10.18.26/*				
		Max. valve thickness 30 mm	6.10.18.30/*				
		Max. valve thickness 32 mm	6.10.18.32/*				
		Max. valve thickness 35 mm	6.10.18.35/*				
Manifold G ¼” 		Max. valve thickness 20 mm	6.10.14.20/*	/	/	/	/
		Max. valve thickness 25 mm	6.10.14.25/*				
		Max. valve thickness 30 mm	6.10.14.30/*				
		Max. valve thickness 35 mm	6.10.14.35/*				
		Max. valve thickness 45 mm	6.10.14.45/*				

* = seats number (from 2 up to 10)

	Description	Code	Operating force	Max. pressure	Flow at 6 bar	Orifice size
Pressure switch 	Threaded connections	900.18.1-1	/	0,5÷1 bar	/	/
	Threaded connections	900.18.1-4	/	3,5÷4 bar	/	/
	Faston connections	900.18.1/1-1	/	0,5÷1 bar	/	/
	Faston connections	900.18.1/1-4	/	3,5÷4 bar	/	/
	Switch protection	900.18.0	/	/	/	/
Impulse generators 	G 1/8"	900.18.2N	/	max. 10 bar	/	mm 2
Pneumatic timers 	N.C. 30 seconds	900.18.3	/	3÷10 bar	130 Nl/min	mm 2,5
	N.C. 60 seconds	900.18.3-60				
	N.O. 30 seconds	900.18.4	/	4÷10 bar		
	N.O. 60 seconds	900.18.4-60				
Two hands safety valves 	Type III A (according to EN 574 standard)	900.18.9	/	3÷8 bar	40 Nl/min	mm 2,5
	Type III B (according to EN 574 standard)	900.18.10				
	Power valve adaptor	900.18.11				
Flip - Flop 	G 1/8"	900.52.1.2	/	max.10 bar	540 Nl/min	mm 6
Oscillator valve 	Without "NOT" logic elements	900.52.5	/	2÷8 bar	540 Nl/min	mm 6
	Including "NOT" logic elements	900.52.5.C				
External feeding base 	"NOT logical element	900.005	/	/	/	/
Signal amplifier 	G 1/8"	900.32.6	/	0,05÷10 bar	130 Nl/min	mm 3
Progressive start-up valve 	G 1/4"	900.14.7	/	2,5÷10 bar	Flow rate needle fully open from 1 to 2 200 Nl/min	mm 6
High-low pressure device 	Including pneumatic control	900.18.8P	/	max.10 bar	650 Nl/min	/
	Including M2 mechanic	900.18.8E				

PNEUMAX

SOLENOID VALVES 2



	Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
10 mm 2/2 N.C. 		24V D.C.	90° connector with led	N361.1	0÷7 bar	14 Nl/min	mm 0,7
			Cable 300 mm. - IP40	N361.2			
			In line connector with led	N361.3			
			90° connector without led	N361.4			
			In line connector without led	N361.5			
			Cable 300 mm. - IP64 (embedded cable)	N361.32			
		12V D.C.	90° connector with led	N362.1			
			Cable 300 mm. - IP40	N362.2			
			In line connector with led	N362.3			
			90° connector without led	N362.4			
			In line connector without led	N362.5			
			Cable 300 mm. - IP64 (embedded cable)	N362.32			
		6V D.C.	90° connector with led	N364.1			
			Cable 300 mm.- IP40	N364.2			
			In line connector with led	N364.3			
			90° connector without led	N364.4			
			In line connector without led	N364.5			
			Cable 300 mm. - IP64 (embedded cable)	N364.32			
3/2 N.C. 		24V D.C.	90° connector with led	N371.1	0÷7 bar	14 Nl/min	mm 0,7
			Cable 300 mm - IP40	N371.2			
			In line connector with led	N371.3			
			90° connector without led	N371.4			
			In line connector without led	N371.5			
			Cable 300 mm. - IP64 (embedded cable)	N371.32			
		12V D.C.	90° connector with led	N372.1			
			Cable 300 mm. - IP40	N372.2			
			In line connector with led	N372.3			
			90° connector without led	N372.4			
			In line connector without led	N372.5			
			Cable 300 mm. - IP64 (embedded cable)	N372.32			
		6V D.C.	90° connector with led	N374.1			
			Cable 300 mm.-IP40	N374.2			
			In line connector with led	N374.3			
			90° connector without led	N374.4			
			In line connector without led	N374.5			
			Cable 300 mm. - IP64 (embedded cable)	N374.32			
3/2 N.A. 		24V D.C.	90° connector with led	N381.1	0÷7 bar	14 Nl/min	mm 0,7
			Cable 300 mm. - IP40	N381.2			
			In line connector with led	N381.3			
			90° connector without led	N381.4			
			In line connector with led	N381.5			
			Cable 300 mm. - IP64 (embedded cable)	N381.32			
		12V D.C.	90° connector with led	N382.1			
			Cable 300 mm. - IP40	N382.2			
			In line connector with led	N382.3			
			90° connector without led	N382.4			
			In line connector without led	N382.5			
			Cable 300 mm. - IP64 (embedded cable)	N382.32			
		6V D.C.	90° connector with led	N382.1			
			Cable 300 mm. - IP40	N384.2			
			In line connector with led	N384.3			
			90° connector without led	N384.4			
			In line connector with led	N384.5			
			Cable 300 mm. - IP64 (embedded cable)	N384.32			

Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Connector with cable L = 300 mm	N371.300	/	/	/
Connector with cable L = 600 mm	N371.600			
Connector with cable L = 1000 mm	N371.1000			
Base individual	N395.01	/	/	/
Base multiple	N395.*			
Closing plate	N395.00			

* = Number of seats (from 02 to 10)

		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
15 mm	3/2 N.C.		24V D.C.	Cables* (300 mm)	N331.2A	0÷10 bar	30 Nl/min	mm 1,1
					N331.2B	0÷7 bar	50 Nl/min	mm 1,5
				Faston	N331.0A	0÷10 bar	30 Nl/min	mm 1,1
					N331.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	N331.1A	0÷10 bar	30 Nl/min	mm 1,1
					N331.1B	0÷7 bar	50 Nl/min	mm 1,5
			12V D.C.	Faston	N332.0A	0÷10 bar	30 Nl/min	mm 1,1
					N332.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	N332.1A	0÷10 bar	30 Nl/min	mm 1,1
					N332.1B	0÷7 bar	50 Nl/min	mm 1,5
			24V 50-60 Hz	Faston	N335.0A	0÷10 bar	30 Nl/min	mm 1,1
					N335.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	N335.1A	0÷10 bar	30 Nl/min	mm 1,1
					N335.1B	0÷7 bar	50 Nl/min	mm 1,5
			110V 50-60 Hz	Faston	N336.0A	0÷10 bar	30 Nl/min	mm 1,1
					N336.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	N336.1A	0÷10 bar	30 Nl/min	mm 1,1
					N336.1B	0÷7 bar	50 Nl/min	mm 1,5
			230V 50-60 Hz	Faston	N337.0A	0÷10 bar	30 Nl/min	mm 1,1
					N337.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	N337.1A	0÷10 bar	30 Nl/min	mm 1,1
					N337.1B	0÷7 bar	50 Nl/min	mm 1,5
			24V D.C. 1 W	Faston	N338.0E	0÷10 bar	18 Nl/min	mm 0,8
				Faston DIN	N338.1E			
	3/2 N.A.		24V D.C.	Cables (300 mm)	N341.2A	0÷8 bar	30 Nl/min	mm 1,1
					N341.2B	0÷5 bar	50 Nl/min	mm 1,5
				Faston	N341.0A	0÷8 bar	30 Nl/min	mm 1,1
					N341.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	N341.1A	0÷8 bar	30 Nl/min	mm 1,1
					N341.1B	0÷5 bar	50 Nl/min	mm 1,5
			12V D.C.	Faston	N342.0A	0÷8 bar	30 Nl/min	mm 1,1
					N342.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	N342.1A	0÷8 bar	30 Nl/min	mm 1,1
					N342.1B	0÷5 bar	50 Nl/min	mm 1,5

* = On request and for large quantity only
(*only 24 V D.C., 2.3W*)

	Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
15 mm 3/2 N.A.  		24V 50-60 Hz	Faston	N345.0A	0÷8 bar	30 Nl/min	mm 1,1
				N345.0B	0÷5 bar	50 Nl/min	mm 1,5
			Faston DIN	N345.1A	0÷8 bar	30 Nl/min	mm 1,1
				N345.1B	0÷5 bar	50 Nl/min	mm 1,5
		110V 50-60 Hz	Faston	N346.0A	0÷8 bar	30Nl/min	mm 1,1
				N346.0B	0÷5 bar	50 Nl/min	mm 1,5
			Faston DIN	N346.1A	0÷8 bar	30 Nl/min	mm 1,1
				N346.1B	0÷5 bar	50 Nl/min	mm 1,5
		230V 50-60 Hz	Faston	N347.0A	0÷8 bar	30 Nl/min	mm 1,1
				N347.0B	0÷5 bar	50 Nl/min	mm 1,5
			Faston DIN	N347.1A	0÷8 bar	30 Nl/min	mm 1,1
				N347.1B	0÷5 bar	50 Nl/min	mm 1,5
Accessories    		Standard connector		315.11.00	/	/	/
		Connectors with LED		315.11.**L			
		Connectors for Faston DIN normal		315.12.00			
		Connector for Faston DIN with LED		315.12.**L			
		Individual base		355.01			
		Multiple base tube Ø 4		354.*			
		Multiple base M5 thread		355.*			
		Closing plate		355.00			

* Number of seats (from 02 to 10)
* * **01 =** 24V DC/AC **02 =** 110V 50-60 Hz **03 =** 220V 50-60 Hz

	Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
22 mm   		Mechanic N.C.		M2	0 ÷ 10 bar	53 Nl/min	1,3 mm
		Mechanic N.C. Treaded lock nut		M2P			
		Mechanic N.O.		M2/1			
		Mechanic N.C.(2 W 24 D.C.)		M2/9	0 ÷ 10 bar	20 Nl/min	0,9 mm
		Mechanic 3/2 N.O.		MM7	0 ÷ 10 bar	53 Nl/min	1,3 mm
		Direct current	Coil 12V D.C.	MB4	/	/	/
			Coil 24V D.C.	MB5			
			Coil 48V D.C.	MB6			
			Coil 24V D.C. (2 Watt)	MB9*			
		Alternate current 50 Hz	Coil 24V	MB17			
			Coil 48V	MB21			
			Coil 110V	MB22			
			Coil 220V	MB24			
		Alternate current 60 Hz	Coil 24V	MB37			
			Coil 110V	MB39			
			Coil 220V	MB41			
		Alternate current 50-60 Hz	Coil 24V	MB56			
			Coil 110V	MB57			
			Coil 220V	MB58			

* = Use only with M2/9

	Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	M2.4	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Microsolenoid valve 24V D.C.	M2.5			
			Microsolenoid valve 48V D.C.	M2.6			
			Microsolenoid valve 24V (2 Watt)	M2.9	0 ÷ 10 bar	20 Nl/min	mm 0,9
		Alternate current 50 Hz	Microsolenoid valve 24V	M2.17	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Microsolenoid valve 48V	M2.21			
			Microsolenoid valve 110V	M2.22			
			Microsolenoid valve 220V	M2.24			
		Alternate current 60 Hz	Microsolenoid valve 24V	M2.37			
			Microsolenoid valve 110V	M2.39			
			Microsolenoid valve 220V	M2.41			
		Alternate current 50-60 Hz	Microsolenoid valve 24V	M2.56			
			Microsolenoid valve 110V	M2.57			
			Microsolenoid valve 220V	M2.58			
3/2 N.A.		Direct current	Microsolenoid valve 12V D.C.	M2/1.4	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Microsolenoid valve 24V D.C.	M2/1.5			
			Microsolenoid valve 48V D.C.	M2/1.6			
			Microsolenoid valve 24V (2 Watt)	M2/1.9			
		Alternate current 50 Hz	Microsolenoid valve 24V	M2/1.17			
			Microsolenoid valve 48V	M2/1.21			
			Microsolenoid valve 110V	M2/1.22			
			Microsolenoid valve 220V	M2/1.24			
		Alternate current 60 Hz	Microsolenoid valve 24V	M2/1.37			
			Microsolenoid valve 110V	M2/1.39			
			Microsolenoid valve 220V	M2/1.41			
		Alternate current 50-60 Hz	Microsolenoid valve 24V	M2/1.56			
			Microsolenoid valve 110V	M2/1.57			
			Microsolenoid valve 220V	M2/1.58			
		Individual base ports in line - M5 thread		305.00.00	/	/	/
		Individual base ports at 90° - M5 thread		305.90.00			
		Individual base ports in line - G 1/8" thread		305.00.18			
		Individual base ports at 90° - G 1/8" thread		305.90.18			
		Modular base for series mounting -initial		305.05.00			
		Mod. base for ser. mounting - intermediate		305.06.00			
		Modular base for series mounting - last		305.07.00			
		Bored spacer		305.05.01			
		Solid spacer		305.05.02			
		Multiple integral bases		305.08.*			
		External feeding base		305.10.05			
		Connector normal		305.11.00			
		Connector Led		305.11.**L			

* Number of seats (from 02 to 10)

* * **01 =** 24V DC/AC **02 =** 110V 50-60 Hz **03 =** 220V 50-60 Hz

		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
22 mm Modular	3/2 N.C.		Mechanic G 1/8"		305.M1	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Mechanic M5		355.M1			
			Quick fitting for tube Ø 4		345.M1			
			Mechanic G 1/8" (2 W 24V D.C.)		305.M1/9	0 ÷ 10 bar	35 Nl/min	mm 1,1
			Mechanic M5 (2 W 24V D.C.)		355.M1/9			
			Quick fitting for tube Ø 4 - (2W 24 V D.C.)		345.M1/9			
	3/2 N.A.		Mechanic G 1/8"		305.M1/1	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Mechanic M5		355.M1/1			
			Mechanic- quick fitting for tube Ø 4		345.M1/1			
	N.C.		Direct current	Coil 12V D.C.	MB4	/	/	/
				Coil 24V D.C.	MB5			
				Coil 48V D.C.	MB6			
				Coil 24V D.C. (2 Watt)	MB9			
			Alternate current 50 Hz	Coil 24V 50 Hz	MB17			
				Coil 48V 50 Hz	MB21			
				Coil 110V 50 Hz	MB22			
				Coil 220V 50 Hz	MB24			
			Alternate current 60 Hz	Coil 24V 60 Hz	MB37			
				Coil 110V 60 Hz	MB39			
				Coil 220V 60 Hz	MB41			
			Alternate current 50-60 Hz	Coil 24V 50-60 Hz	MB56			
				Coil 110V 50-60 Hz	MB57			
				Coil 220V 50-60 Hz	MB58			
	N.A.		Direct current	Coil 24V D.C. (8 Watt)	MB10/1	/	/	/
			Alternate current 50 Hz	Coil 24V 50 Hz	MB17/1			
				Coil 48V 50 Hz	MB21/1			
				Coil 110V 50 Hz	MB22/1			
				Coil 220V 50 Hz	MB24/1			
			Alternate current 60 Hz	Coil 24V 60 Hz	MB37/1			
				Coil 110V 60 Hz	MB39/1			
				Coil 220V 60 Hz	MB41/1			
			Alternate current 50-60 Hz	Coil 24V 50-60 Hz	MB56/1			
				Coil 110V 50-60 Hz	MB57/1			
				Coil 220V 50-60 Hz	MB58/1			
G 1/8"	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	305.M4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	305.M5			
				Microsolenoid valve 48V D.C	305.M6			
				Microsol. valve 24V D.C. (2 Watt)	305.M9	0 ÷ 10 bar	35 Nl/min	mm 1,1
			Alternate current 50 Hz	Microsolenoid valve 24V 50 Hz	305.M17	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 48V 50 Hz	305.M21			
				Microsolenoid valve 110V 50 Hz	305.M22			
				Microsolenoid valve 220V 50 Hz	305.M24			
			Alternate current 60 Hz	Microsolenoid valve 24V 60 Hz	305.M37			
				Microsolenoid valve 110V 60 Hz	305.M39			
				Microsolenoid valve 220V 60 Hz	305.M41			

		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/8" 	3/2 N.C.		Alternate current 50-60 Hz	Microsol. valve 24V 50-60 Hz	305.M56	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsol. valve 110V 50-60 Hz	305.M57			
				Microsol. valve 220V 50-60 Hz	305.M58			
	3/2 N.A.		Direct current	Microsol. valve 24V D.C. (8 Watt)	305.M10/1			
			Alternate current 50 Hz	Microsolenoid valve 24V 50 Hz	305.M17/1			
				Microsolenoid valve 48V 50 Hz	305.M21/1			
				Microsolenoid valve 110V 50 Hz	305.M22/1			
				Microsolenoid valve 220V 50 Hz	305.M24/1			
			Alternate current 60 Hz	Microsolenoid valve 24V 60 Hz	305.M37/1			
				Microsolenoid valve 110V 60 Hz	305.M39/1			
				Microsolenoid valve 220V 60 Hz	305.M41/1			
			Alternate current 50-60 Hz	Microsol. valve 24V 50-60 Hz	305.M56/1			
				Microsol. valve 110V 50-60 Hz	305.M57/1			
				Microsol. valve 220V 50-60 Hz	305.M58/1			
M5	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	355.M4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	355.M5			
				Microsolenoid valve 48V D.C.	355.M6			
				Microsol. valve 24V D.C. (2 Watt)	355.M9	0 ÷ 10 bar	35 Nl/min	mm 1,1
			Alternate current 50 Hz	Microsolenoid valve 24V 50 Hz	355.M17	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 48V 50 Hz	355.M21			
				Microsolenoid valve 110V 50 Hz	355.M22			
				Microsolenoid valve 220V 50 Hz	355.M24			
			Alternate current 60 Hz	Microsolenoid valve 24V 60 Hz	355.M37			
				Microsolenoid valve 110V 60 Hz	355.M39			
				Microsolenoid valve 220V 60 Hz	355.M41			
			Alternate current 50-60 Hz	Microsol. valve 24V 50-60 Hz	355.M56			
				Microsol. valve 110V 50-60 Hz	355.M57			
				Microsol. valve 220V 50-60 Hz	355.M58			
	3/2 N.A.		Direct current	Microsol. valve 24V DC (8 Watt)	355.M10/1			
			Alternate current 50 Hz	Microsolenoid valve 24V 50 Hz	355.M17/1			
				Microsolenoid valve 48V 50 Hz	355.M21/1			
				Microsolenoid valve 110V 50 Hz	355.M22/1			
				Microsolenoid valve 220V 50 Hz	355.M24/1			
			Alternate current 60 Hz	Microsolenoid valve 24V 60 Hz	355.M37/1			
				Microsolenoid valve 110V 60 Hz	355.M39/1			
				Microsolenoid valve 220V 60 Hz	355.M41/1			
			Alternate current 50-60 Hz	Microsol. valve 24V 50-60 Hz	355.M56/1			
				Microsol. valve 110V 50-60 Hz	355.M57/1			
				Microsol. valve 220V 50-60 Hz	355.M58/1			

2

		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
Tube 4	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	345.M4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	345.M5			
				Microsolenoid valve 48V D.C.	345.M6			
				Microsolenoid valve 24V D.C.	345.M9			
			Alternate current 50 Hz	Microsolenoid valve 24V 50 Hz	345.M17			
				Microsolenoid valve 48V 50 Hz	345.M21			
				Microsolenoid valve 110V 50 Hz	345.M22			
				Microsolenoid valve 220V 50 Hz	345.M24			
			Alternate current 60 Hz	Microsolenoid valve 24V 60 Hz	345.M37			
				Microsolenoid valve 110V 60 Hz	345.M39			
				Microsolenoid valve 220V 60 Hz	345.M41			
			Alternate current 50-60 Hz	Microsol. valve 24V 50-60 Hz	345.M56			
				Microsol. valve 110V 50-60 Hz	345.M57			
				Microsol. valve 220V 50-60 Hz	345.M58			
	3/2 N.A.		Direct current	Microsol. valve 24V D.C. (8 Watt)	345.M10/1			
			Alternate current 50 Hz	Microsolenoid valve 24V 50 Hz	345.M17/1			
				Microsolenoid valve 48V 50 Hz	345.M21/1			
				Microsolenoid valve 110V 50 Hz	345.M22/1			
				Microsolenoid valve 220V 50 Hz	345.M24/1			
			Alternate current 60 Hz	Microsolenoid valve 24V 60 Hz	345.M37/1			
				Microsolenoid valve 110V 60 Hz	345.M39/1			
				Microsolenoid valve 220V 60 Hz	345.M41/1			
			Alternate current 50-60 Hz	Microsol. valve 24V 50-60 Hz	345.M56/1			
				Microsol. valve 110V 50-60 Hz	345.M57/1			
				Microsol. valve 220V 50-60 Hz	345.M58/1			

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
22 mm bistable	3/2 N.C. direct current		Microsol. valve for distrib. and base 24V D.C.	M5/B	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Modular microsol. valve G 1/8" 24V D.C.	305.M5/B			
			Mod. microsol. valve M5 24V D.C.	355.M5/B			
			Microsol. valve - fitting for tube 4 24V D.C.	345.M5/B			
			Coil for bistable 24 V D.C.	MBB5	/	/	/

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
30 mm			Mechanic CNOMO manual 1 position N.C.	M3P	0 ÷ 10 bar	53 Nl/min	mm 1,3
			Mechanic CNOMO manual 2 positions N.C	M3R			
			Mechanic CNOMO 2 Watt man. 1 pos. N.C.	M4P	0 ÷ 10 bar	20 Nl/min	mm 0,9
			Mechanic CNOMO 2 Watt man. 2 pos. N.C.	M4R			
			Coil 24V D.C.	MC5	/	/	/
			Coil 24V D.C. (2Watt)	MC9			
			Coil 24V 50-60 Hz	MC56			
			Coil 110V 50-60 Hz	MC57			
			Coil 220V 50-60 Hz	MC58			
32 mm	3/2 N.C.		Direct current — Solenoid valve 6V D.C.	S2	0 ÷ 10 bar	80 Nl/min	mm 1,8

		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
32 mm	3/2 N.C.		Direct current	Solenoid valve 12V D.C.	S4	0 ÷ 10 bar	80 Nl/min	mm 1,8
				Solenoid valve 24V D.C.	S5			
				Solenoid valve 48V D.C.	S6			
			Alternate current 50 Hz	Solenoid valve 12V	S16			
				Solenoid valve 24V	S17			
				Solenoid valve 32V	S19			
				Solenoid valve 42V	S20			
				Solenoid valve 48V	S21			
				Solenoid valve 110V	S22			
				Solenoid valve 115V	S23			
				Solenoid valve 220V	S24			
				Solenoid valve 240V	S25			
			Alternate current 60 Hz	Solenoid valve 12V	S36			
				Solenoid valve 24V	S37			
				Solenoid valve 48V	S38			
				Solenoid valve 110V	S39			
				Solenoid valve 115V	S40			
				Solenoid valve 220V	S41			
				Solenoid valve 240V	S42			
			Alternate current 50-60 Hz	Solenoid valve 24V	S56			
				Solenoid valve 110V	S57			
				Solenoid valve 220V	S58			
	3/2 N.A.		Direct current	Solenoid valve 6V D.C.	S2/1	0 ÷ 10 bar	80 Nl/min	mm 1,8
				Solenoid valve 12V D.C.	S4/1			
				Solenoid valve 24V D.C.	S5/1			
				Solenoid valve 48V D.C.	S6/1			
			Alternate current 50 Hz	Solenoid valve 12V	S16/1			
				Solenoid valve 24V	S17/1			
				Solenoid valve 32V	S19/1			
				Solenoid valve 42V	S20/1			
				Solenoid valve 48V	S21/1			
				Solenoid valve 110V	S22/1			
				Solenoid valve 115V	S23/1			
				Solenoid valve 220V	S24/1			
				Solenoid valve 240V	S25/1			
			Alternate current 60 Hz	Solenoid valve 12V	S36/1			
				Solenoid valve 24V	S37/1			
				Solenoid valve 48V	S38/1			
				Solenoid valve 110V	S39/1			
				Solenoid valve 115V	S40/1			
				Solenoid valve 220V	S41/1			
				Solenoid valve 240V	S42/1			
			Alternate current 50÷60 Hz	Microsolenoid valve 24 V	S56/1			
				Microsolenoid valve 110V	S57/1			
				Microsolenoid valve 220V	S58/1			

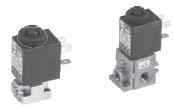
		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
10 mm	2/2 N.C.		24V D.C.	90° connector with led	UN361.1	0÷7 bar	14 Nl/min	mm 0,7
				Cable (300 mm)	UN361.2			
				In line connector with led	UN361.3			
				90° connector without led	UN361.4			
				In line connector without led	UN361.5			
				Cable (300 mm) coil incorporated (IP65)	UN361.32			
			12V D.C.	90° connector with led	UN362.1			
				Cable (300 mm)	UN362.2			
				In line connector with led	UN362.3			
				90° connector without led	UN362.4			
				In line connector without led	UN362.5			
				Cable (300 mm) coil incorporated (IP65)	UN362.32			
	3/2 N.C.		24V D.C.	90° connector with led	UN371.1			
				Cable (300 mm)	UN371.2			
				In line connector with led	UN371.3			
				90° connector without led	UN371.4			
				In line connector without led	UN371.5			
				Cable (300 mm) coil incorporated (IP65)	UN371.32			
			12V D.C.	90° connector with led	UN372.1			
				Cable (300 mm)	UN372.2			
				In line connector with led	UN372.3			
				90° connector without led	UN372.4			
				In line connector without led	UN372.5			
				Cable (300 mm) coil incorporated (IP65)	UN372.32			
	3/2 N.A.		24V D.C.	90° connector with led	UN381.1			
				Cable (300 mm)	UN381.2			
				In line connector with led	UN381.3			
				90° connector without led	UN381.4			
				In line connector without led	UN381.5			
				Cable (300 mm) coil incorporated (IP65)	UN381.32			
			12V D.C.	90° connector with led	UN382.1			
				Cable (300 mm)	UN382.2			
				In line connector with led	UN382.3			
				90° connector without led	UN382.4			
				In line connector without led	UN382.5			
				Cable (300 mm) coil incorporated (IP65)	UN382.32			

		Symbol		Description	Code	Max. pressure	Flow at 6 bar	Orifice size
15 mm	3/2 N.C.		24V D.C.	Cables (300 mm)	UN331.2A	0÷10 bar	30 Nl/min	mm 1,1
					UN331.2B	0÷7 bar	50 Nl/min	mm 1,5
				Faston	UN331.0A	0÷10 bar	30 Nl/min	mm 1,1
					UN331.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	UN331.1A	0÷10 bar	30 Nl/min	mm 1,1
					UN331.1B	0÷7 bar	50 Nl/min	mm 1,5
			12V D.C.	Faston	UN332.0A	0÷10 bar	30 Nl/min	mm 1,1
					UN332.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	UN332.1A	0÷10 bar	30 Nl/min	mm 1,1
					UN332.1B	0÷7 bar	50 Nl/min	mm 1,5

		Symbol		Description	Code	Max. pressure	Flow at 6 bar	Orifice size
15 mm	3/2 N.C.		24V 50-60 Hz	Faston	UN335.0A	0÷10 bar	30 Nl/min	mm 1,1
					UN335.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	UN335.1A	0÷10 bar	30 Nl/min	mm 1,1
					UN335.1B	0÷7 bar	50 Nl/min	mm 1,5
			110V 50-60 Hz	Faston	UN336.0A	0÷10 bar	30 Nl/min	mm 1,1
					UN336.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	UN336.1A	0÷10 bar	30 Nl/min	mm 1,1
					UN336.1B	0÷7 bar	50 Nl/min	mm 1,5
			230V 50-60 Hz	Faston	UN337.0A	0÷10 bar	30 Nl/min	mm 1,1
					UN337.0B	0÷7 bar	50 Nl/min	mm 1,5
				Faston DIN	UN337.1A	0÷10 bar	30 Nl/min	mm 1,1
					UN337.1B	0÷7 bar	50 Nl/min	mm 1,5
	3/2 N.A.		24V D.C.	Cables (300 mm)	UN341.2A	0÷8 bar	30 Nl/min	mm 1,1
					UN341.2B	0÷5 bar	50 Nl/min	mm 1,5
				Faston	UN341.0A	0÷8 bar	30 Nl/min	mm 1,1
					UN341.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	UN341.1A	0÷8 bar	30 Nl/min	mm 1,1
					UN341.1B	0÷5 bar	50 Nl/min	mm 1,5
			12V D.C.	Faston	UN342.0A	0÷8 bar	30 Nl/min	mm 1,1
					UN342.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	UN342.1A	0÷8 bar	30 Nl/min	mm 1,1
					UN342.1B	0÷5 bar	50 Nl/min	mm 1,5
			24V 50-60 Hz	Faston	UN345.0A	0÷8 bar	30 Nl/min	mm 1,1
					UN345.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	UN345.1A	0÷8 bar	30 Nl/min	mm 1,1
					UN345.1B	0÷5 bar	50 Nl/min	mm 1,5
			110V 50-60 Hz	Faston	UN346.0A	0÷8 bar	30Nl/min	mm 1,1
					UN346.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	UN346.1A	0÷8 bar	30 Nl/min	mm 1,1
					UN346.1B	0÷5 bar	50 Nl/min	mm 1,5
			230V 50-60 Hz	Faston	UN347.0A	0÷8 bar	30 Nl/min	mm 1,1
					UN347.0B	0÷5 bar	50 Nl/min	mm 1,5
				Faston DIN	UN347.1A	0÷8 bar	30 Nl/min	mm 1,1
					UN347.1B	0÷5 bar	50 Nl/min	mm 1,5

		Symbol		Description	Code	Max. pressure	Flow at 6 bar	Orifice size
22 mm			Direct current	Coil 12V D.C.	UMB4	/	/	/
				Coil 24V D.C.	UMB5			
			Alternate current 50-60 Hz	Coil 24V	UMB56			
				Coil 110÷120V	UMB57			
				Coil 230V	UMB58			
	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C	UM2.4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	UM2.5			

		Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
	3/2 N.C.		Alternate current 50-60 Hz	Microsolenoid valve 24V	UM2.56	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 110÷120V	UM2.57			
				Microsolenoid valve 230V	UM2.58			
	3/2 N.A.		Direct current	Microsolenoid valve 12 D.C.	UM2/1.4			
				Microsolenoid valve 24V D.C.	UM2/1.5			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	UM2/1.56			
				Microsolenoid valve 110÷120V	UM2/1.57			
				Microsolenoid valve 230V	UM2/1.58			
22 mm Modular 	N.C.	/	Direct current	Coil 12V D.C.	UMB4	/	/	/
				Coil 24V D.C.	UMB5			
			Alternate current 50-60 Hz	Coil 24V	UMB56			
				Coil 110÷120V	UMB57			
				Coil 230V	UMB58			
	N.A.	/	Direct current	Coil 24V D.C. (8 Watt)	UMB10/1			
			Alternate current 50-60 Hz	Coil 24V	UMB56/1			
				Coil 110÷120V	UMB57/1			
				Coil 230V	UMB58/1			
G 1/8" 	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	U305.M4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	U305.M5			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	U305.M56			
				Microsolenoid valve 110÷120V	U305.M57			
				Microsolenoid valve 230V	U305.M58			
	3/2 N.A.		Direct current	Microsol. valve 24V D.C. (8 Watt)	U305.M10/1			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	U305.M56/1			
				Microsolenoid valve 110÷120V	U305.M57/1			
				Microsolenoid valve 230V	U305.M58/1			
M5 	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	U355.M4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	U355.M5			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	U355.M56			
				Microsolenoid valve 110÷120V	U355.M57			
				Microsolenoid valve 230V	U355.M58			
	3/2 N.A.		Direct current	Microsol. valve 24V DC (8 Watt)	U355.M10/1			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	U355.M56/1			
				Microsolenoid valve 110÷120V	U355.M57/1			
				Microsolenoid valve 230V	U355.M58/1			
Tube 4 	3/2 N.C.		Direct current	Microsolenoid valve 12V D.C.	U345.M4	0 ÷ 10 bar	53 Nl/min	mm 1,3
				Microsolenoid valve 24V D.C.	U345.M5			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	U345.M56			
				Microsolenoid valve 110÷120V	U345.M57			
				Microsolenoid valve 230V	U345.M58			
	3/2 N.A.		Direct current	Microsol. valve 24V D.C. (8 Watt)	U345.M10/1			
			Alternate current 50-60 Hz	Microsolenoid valve 24V	U345.M56/1			
				Microsolenoid valve 110÷120V	U345.M57/1			
				Microsolenoid valve 230V	U345.M58/1			

	Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
22 mm bistable 3/2 N.C. direct current 		Microsol. valve for distrib. and base 24V D.C.	UM5/B	0 ÷ 10 bar	53 Nl/min	mm 1,3
		Modular microsol. valve G 1/8" 24V D.C.	U305.M5/B			
		Mod. microsol. valve M5 24V D.C.	U355.M5/B			
		Microsol. valve - fitting for tube 4 24V D.C.	U345.M5/B			
		Coil for bistable 24 V D.C.	UMBB5	/	/	/

	Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
30 mm 		Coil 24V D.C.	UMC5	/	/	/
		Coil 24V 50-60 Hz	UMC56			
		Coil 110÷120V 50-60 Hz	UMC57			
		Coil 230V 50-60 Hz	UMC58			

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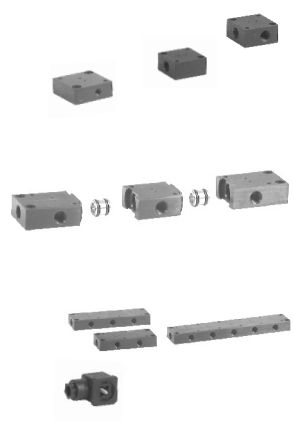
	Symbol	Description		Code	Max. pressure	Flow at 6 bar	Orifice size
32 mm 3/2 N.C. 		Direct current	Solenoid valve 12V D.C.	US4	0 ÷ 10 bar	80 Nl/min	mm 1,8
			Solenoid valve 24V D.C.	US5			
		Alternate current 50-60 Hz	Solenoid valve 24V	US56			
			Solenoid valve 110÷120V	US57			
			Solenoid valve 230V	US58			
3/2 N.A. 		Direct current	Solenoid valve 12V D.C.	US4/1			
			Solenoid valve 24V D.C.	US5/1			
		Alternate current 50-60 Hz	Solenoid valve 24V	US56/1			
			Solenoid valve 110÷120V	US57/1			
			Solenoid valve 230V	US58/1			

	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
	Individual base - in line holes - G 1/8" thread	300.04.00	/	/	/
	Individual base - holes at 90° - G 1/8" thread	300.04.90			
	Modular bases for series mounting - Initial	300.05.00			
	Mod. bases for ser. mount. - bored spacer	300.05.01			
	Mod. bases for ser. mounting - solid spacer	300.05.02			
	Mod. bases for ser. mounting - intermediate	300.06.00			
	Modular bases for series mounting - last	300.07.00			
	Multiple integral bases for series mounting	300.08.*			
	External feeding base	300.10.5			
	Connector normal	300.11.00			
	Connector with led	300.11.**L			
	Closing plate	300.12.00			

* Number of seats (from 02 to 05)
* * **01 =** 24V DC/AC **02 =** 110V 50-60 Hz **03 =** 220V 50-60 Hz

PNEUMATIC ACTUATED VALVES

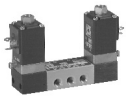
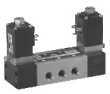
(series 105, 200,T228, section 2)

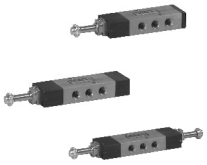
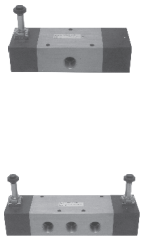
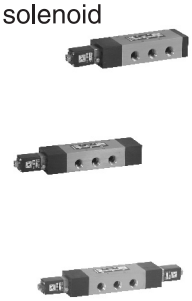
		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
M5 	3/2		Pneumatic - spring	105.32.11.1	2,5-10 bar	120 Nl/min	mm 2,5
			Pneumatic - differential	105.32.11.12			
			Pneumatic - pneumatic	105.32.11.11	2-10 bar		
	5/2		Pneumatic - spring	105.52.11.1	2,5-10 bar		
			Pneumatic - differential	105.52.11.12			
			Pneumatic - pneumatic	105.52.11.11	2-10 bar		
G 1/8"  	3/2		Pneumatic - spring	228.32.11.1	2,5-10 bar	540 Nl/min	mm 6
			Pneumatic - differential	228.32.11.12			
			Pneumatic - self feeding differential	228.32.11.12/1			
			Pneumatic - pneumatic	228.32.11.11	2-10 bar		
			Amplified pneumatic - spring	228.32.13.1	0,5-10 bar		
	5/2		Pneumatic - spring	228.52.11.1	2,5-10 bar		
			Pneumatic - differential	228.52.11.12			
			Pneumatic - self feeding differential	228.52.11.12/1			
			Pneumatic - pneumatic	228.52.11.11	2-10 bar		
			Amplified pneumatic - spring	228.52.13.1	0,5-10 bar		
	5/3		Pneumatic - pneumatic - CC	228.53.31.11.11	3-10 bar	410 Nl/min	
			Pneumatic - pneumatic - OC	228.53.32.11.11			
			Pneumatic - pneumatic - PC	228.53.33.11.11			
G 1/8"  	3/2		Pneumatic - spring	T228.32.11.1	10 bar	620 Nl/min	mm 6
			Pneumatic - differential	T228.32.11.12			
			Pneumatic - differential	T228.32.11.12/1			
			Pneumatic - pneumatic	T228.32.11.11			
	5/2		Pneumatic - spring	T228.52.11.1			
			Pneumatic - self feeding differential	T228.52.11.12			
			Pneumatic - differential	T228.52.11.12/1			
			Pneumatic - pneumatic	T228.52.11.11			
	5/3		Pneumatic - pneumatic	T228.53.31.11.11		410 Nl/min	
			Pneumatic - pneumatic	T228.53.32.11.11			
			Pneumatic - pneumatic	T228.53.33.11.11			
G 1/4" 	3/2		Pneumatic - spring	224.32.11.1	2,5-10 bar	1360 Nl/min	mm 8
			Pneumatic - differential	224.32.11.12			
			Pneumatic - pneumatic	224.32.11.11	2-10 bar		
	5/2		Pneumatic - spring	224.52.11.1	2,5-10 bar		
			Pneumatic - differential	224.52.11.12			
			Pneumatic - pneumatic	224.52.11.11	2-10 bar		
	5/3		Pneumatic - pneumatic - CC	224.53.31.11.11	3-10 bar	1280 Nl/min	
			Pneumatic - pneumatic - OC	224.53.32.11.11			
			Pneumatic - pneumatic - PC	224.53.33.11.11			

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Compact series  	3/2		Pneumatic - spring	214/2.32.11.1	2,5-10 bar	1030 Nl/min	mm 7
			Pneumatic - self-feeding differential	214/2.32.11.12			
			Pneumatic - pneumatic	214/2.32.11.11	2-10 bar		
			Amplified pneumatic - spring	214/2.32.13.1	0,5-10 bar		
	5/2		Pneumatic spring	214/2.52.11.1	2,5-10 bar		
			Pneumatic- self feeding differential	214/2.52.11.12			
			Pneumatic - pneumatic	214/2.52.11.11	2-10 bar		
			Amplified pneumatic - spring	214/2.52.13.1	0,5-10 bar		
G 1/2" 	3/2		Pneumatic - spring	212.32.11.1	2,5-10 bar	3500Nl/min	mm 15
			Pneumatic - differential	212.32.11.12			
			Pneumatic - pneumatic	212.32.11.11	2-10 bar		
	5/2		Pneumatic - spring	212.52.11.1	2,5-10 bar		
			Pneumatic - differential	212.52.11.12			
			Pneumatic - pneumatic	212.52.11.11	2-10 bar		
	5/3		Pneumatic - pneumatic - CC	212.53.31.11.11	3-10 bar	3000Nl/min	
			Pneumatic - pneumatic - OC	212.53.32.11.11			
			Pneumatic - pneumatic - PC	212.53.33.11.11			
G 1/2" Compact series  	3/2		Pneumatic - spring	212/2.32.11.1	2,5-10 bar	3600Nl/min	mm 15
			Pneumatic - differential	212/2.32.11.12			
			Pneumatic - differential	212/2.32.11.12/1.C			
			Pneumatic - differential	212/2.32.11.12/1.A			
			Pneumatic - pneumatic	212/2.32.11.11			
	5/2		Pneumatic - spring	212/2.52.11.1			
			Pneumatic - differential	212/2.52.11.12			
			Pneumatic - differential	212/2.52.11.12/1			
			Pneumatic - pneumatic	212/2.52.11.11			
	5/3		Pneumatic - pneumatic	212/2.53.31.11.11	3-10 bar	3300Nl/min	
			Pneumatic - pneumatic	212/2.53.32.11.11			
			Pneumatic - pneumatic	212/2.53.33.11.11			
G 1" 	3/2		Pneumatic - spring	211.32.11.1	2,5-10 bar	6500Nl/min	mm 20
			Pneumatic - differential	211.32.11.12			
			Pneumatic - pneumatic	211.32.11.11	2-10 bar		
	5/2		Pneumatic - spring	211.52.11.1	2,5-10 bar		
			Pneumatic - differential	211.52.11.12			
			Pneumatic - pneumatic	211.52.11.11	2-10 bar		
	5/3		Pneumatic - pneumatic C.C.	211.53.31.11.11	3-10 bar		
			Pneumatic - pneumatic O.C.	211.53.32.11.11			
			Pneumatic - pneumatic P.C.	211.53.33.11.11			
G 1/8"  	3/2		Microsolenoid - spring	468.32.0.1.M2	2,5-10 bar	540Nl/min	mm 6
			Microsolenoid - differential	468.32.0.12.M2			
			Microsolenoid - microsolenoid	468.32.0.0.M2	2-10 bar		
	5/2		Microsolenoid - spring	468.52.0.1.M2	2,5-10 bar		
			Microsolenoid - differential	468.52.0.12.M2			
			Microsolenoid - microsolenoid	468.52.0.0.M2	2-10 bar		

S* = 32mm solenoid valve code (sec. 2)

2

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/8" 	5/3		Microsolenoid - solenoid - CC	468.53.31.0.0.M2	3-10 bar	410Nl/min	mm 6
			Microsolenoid - solenoid - OC	468.53.32.0.0.M2			
			Microsolenoid - solenoid - PC	468.53.33.0.0.M2			
In line solenoid   	3/2		Microsolenoid - spring	468/1.32.0.1.M2	2,5-10 bar	540Nl/min	mm 6
			Microsolenoid differential	468/1.32.0.12.M2			
			Microsolenoid - solenoid	468/1.32.0.0.M2	2-10 bar		
	5/2		Microsolenoid - spring	468/1.52.0.1.M2	2,5-10 bar		
			Microsolenoid differential	468/1.52.0.12.M2			
			Microsolenoid - microsolenoid	468/1.52.0.0.M2	2-10 bar		
	5/3		Microsolenoid - microsolenoid CC	468/1.53.31.0.0.M2	3-10 bar	410Nl/min	
			Microsolenoid - microsolenoid OC	468/1.53.32.0.0.M2			
			Microsolenoid - microsolenoid PC	468/1.53.33.0.0.M2			
G 1/4"    	3/2		Microsolenoid - spring	464.32.0.1.M2	2,5-10 bar	1360Nl/min	mm 8
			Microsolenoid differential	464.32.0.12.M2			
			Microsolenoid - microsolenoid	464.32.0.0.M2	2-10 bar		
	5/2		Microsolenoid - spring	464.52.0.1.M2	2,5-10 bar		
			Microsolenoid - differential	464.52.0.12.M2			
			Microsolenoid - microsolenoid	464.52.0.0.M2	2-10 bar		
	5/3		Microsolenoid - microsolenoid - CC	464.53.31.0.0.M2	3-10 bar	1280Nl/min	
			Microsolenoid - microsolenoid - OC	464.53.32.0.0.M2			
			Microsolenoid - microsolenoid - PC	464.53.33.0.0.M2			
In line solenoid   	3/2		Microsolenoid - spring	464/1.32.0.1.M2	2,5-10 bar	1360Nl/min	mm 8
			Microsolenoid - differential	464/1.32.0.12.M2			
			Microsolenoid - microsolenoid	464/1.32.0.0.M2	2-10 bar		
	5/2		Microsolenoid spring	464/1.52.0.1.M2	2,5-10 bar		
			Microsolenoid differential	464/1.52.0.12.M2			
			Microsolenoid - microsolenoid	464/1.52.0.0.M2	2-10 bar		
	5/3		Microsolenoid - microsolenoid - CC	464/1.53.31.0.0.M2	3-10 bar	1280Nl/min	
			Microsolenoid - microsolenoid - OC	464/1.53.32.0.0.M2			
			Microsolenoid - microsolenoid - PC	464/1.53.33.0.0.M2			
Compact series  	3/2		Microsolenoid - spring	414/2.32.0.1.M2	2,5-10 bar	1030Nl/min	mm 7
			Microsolenoid - differential	414/2.32.0.12.M2			
			Microsolenoid - solenoid	414/2.32.0.0.M2	2-10 bar		
	5/2		Microsolenoid - spring	414/2.52.0.1.M2	2,5-10 bar		
			Microsolenoid - differential	414/2.52.0.12.M2			
			Microsolenoid - microsolenoid	414/2.52.0.0.M2	2-10 bar		
			Modular base for gang mounting	414.00	/	/	/
			Supplementary feed base	414.01			
Gang mounting 	5/2		Microsolenoid spring	414/3.52.0.1.M2	2,5-10 bar	1030Nl/min	mm 7
			Microsolenoid differential	414/3.52.0.12.M2			
			Microsolenoid - microsolenoid	414/3.52.0.0.M2	2-10 bar		

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Namur Interface 	3/2		Microsolenoid - spring	514/N.32.0.1.M2	2,5-10 bar	1030Nl/min	mm 7
			Microsolenoid - differential	514/N.32.0.12.M2			
			Microsolenoid - microsolenoid	514/N.32.0.0.M2	2-10 bar		
	5/2		Microsolenoid - spring	514/N.52.0.1.M2	2,5-10 bar		
			Microsolenoid - differential	514/N.52.0.12.M2			
			Microsolenoid - microsolenoid	514/N.52.0.0.M2	2-10 bar		
G 1/2" 	3/2		Solenoid - spring	452.32.0.1.M2	2,5-10 bar	3500Nl/min	mm 15
			Solenoid - differential	452.32.0.12.M2			
			Solenoid - solenoid	452.32.0.0.M2	2-10 bar		
	5/2		Solenoid - spring	452.52.0.1.M2	2,5-10 bar		
			Solenoid - differential	452.52.0.12.M2			
			Solenoid - solenoid	452.52.0.0.M2	2-10 bar		
	5/3		Solenoid - solenoid - CC	452.53.31.0.0.M2	3-10 bar	3000Nl/min	
			Solenoid - solenoid - OC	452.53.32.0.0.M2			
			Solenoid - solenoid - PC	452.53.33.0.0.M2			
G 1/2" Compact series 	3/2		Solenoid - spring	412/2.32.0.1.C.M2	2,5-10 bar	3600Nl/min	mm 15
			Solenoid - spring	412/2.32.0.1.A.M2			
			Solenoid - differential (external)	412/2.32.0.12.C.M2			
			Solenoid - differential (external)	412/2.32.0.12.A.M2			
			Solenoid - differential (self-aligned)	412/2.32.0.12/1.C.M2			
			Solenoid - differential (self-aligned)	412/2.32.0.12/1.A.M2			
			Solenoid - solenoid	412/2.32.0.0.C.M2			
			Solenoid - solenoid	412/2.32.0.0.A.M2			
	5/2		Solenoid - spring	412/2.52.0.1.M2			
			Solenoid - differential (external)	412/2.52.0.12.M2			
			Solenoid - differential (self-aligned)	412/2.52.0.12/1.M2			
			Solenoid - solenoid	412/2.52.0.0.M2			
	5/3		Solenoid - solenoid	412/2.53.31.0.0.M2	3-10 bar	3300Nl/min	
			Solenoid - solenoid	412/2.53.32.0.0.M2			
			Solenoid - solenoid	412/2.53.33.0.0.M2			
In line solenoid 	3/2		Solenoid - spring	452/1.32.0.1.M2	2,5-10 bar	3500Nl/min	mm 15
			Solenoid - differential	452/1.32.0.12.M2			
			Solenoid - solenoid	452/1.32.0.0.M2	2-10 bar		
	5/2		Solenoid - spring	452/1.52.0.1.M2	2,5-10 bar		
			Solenoid - differential	452/1.52.0.12.M2			
			Solenoid - solenoid	452/1.52.0.0.M2	2-10 bar		
	5/3		Solenoid - solenoid - CC	452/1.53.31.0.0.M2	3-10 bar	3000Nl/min	
			Solenoid - solenoid- OC	452/1.53.32.0.0.M2			
			Solenoid - solenoid - PC	452/1.53.33.0.0.M2			
G 1" 	3/2		Solenoid - spring	411.32.0.1.S*	2-10 bar	6500Nl/min	mm 20
			Solenoid - differential	411.32.0.12.S*	2,5-10 bar		
			Solenoid - solenoid	411.32.0.0.S*	2-10 bar		

S* = 32mm solenoid valve code

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		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1" 	5/2		Solenoid - spring	411.52.0.1.S*	2-10 bar	6500Nl/min	mm 20
			Solenoid - differential	411.52.0.12.S*	2,5-10 bar		
			Solenoid - solenoid	411.52.0.0.S*	2-10 bar		
	5/3		Solenoid - solenoid - CC	411.53.31.0.0.S*	3-10 bar		
			Solenoid - solenoid - OC	411.53.32.0.0.S*			
			Solenoid - solenoid - PC	411.53.33.0.0.S*			
G 1/8" 	3/2		Microsolenoid - spring	488.32.0.1.*	2,5-10 bar	620Nl/min	mm 6
			Microsolenoid - differential	488.32.0.12.*			
			Microsolenoid - microsolenoid	488.32.0.0.*	2-10 bar		
	5/2		Microsolenoid - spring	488.52.0.1.*	2,5-10 bar		
			Microsolenoid - differential	488.52.0.12.*			
			Microsolenoid - microsolenoid	488.52.0.0.*	2-10 bar		
	5/3		Microsolenoid - microsolenoid - CC	488.53.31.0.0.*	2,5-10 bar	410Nl/min	
			Microsolenoid - microsolenoid - OC	488.53.32.0.0.*			
			Microsolenoid - microsolenoid - PC	488.53.33.0.0.*			
G 1/4" 	3/2		Microsolenoid - spring	484.32.0.1.*	2,5-10 bar	620Nl/min	mm 6
			Microsolenoid - differential	484.32.0.12.*			
			Microsolenoid - microsolenoid	484.32.0.0.*	2-10 bar		
	5/2		Microsolenoid - spring	484.52.0.1.*	2,5-10 bar		
			Microsolenoid - differential	484.52.0.12.*			
			Microsolenoid - microsolenoid	484.52.0.0.*	2-10 bar		
	5/3		Microsolenoid - microsolenoid - CC	484.53.31.0.0.*	2,5-10 bar	410Nl/min	
			Microsolenoid - microsolenoid - OC	484.53.32.0.0.*			
			Microsolenoid - microsolenoid - PC	484.53.33.0.0.*			
 			Manifold for G 1/8" - G 1/4"	488.**	/	/	/
			Closing plate for G 1/8" - G 1/4"	488.00			

* Voltage: **M11** = Coil 24V D.C. (absorbed power continuos running 3,8 Watt)
M56 = Coil 24 V 50/60 Hz (absorbed power at pick - up 9 VA, continuos running 6VA)
M57 = Coil 110V 50/60 Hz (absorbed power at pick - up 9 VA, continuos running 6VA)
M58 = Coil 220V 50/60 Hz (absorbed power at pick - up 9 VA, continuos running 6VA)

** = Number of seats (from 02 to 05)

		Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
G 1/8"	5/2		Pneumatic - spring	T488.52.11.1	max 10 bar	620Nl/min	mm 6
			Pneumatic - Differential (external)	T488.52.11.12			
			Pneumatic - Pneumatic	T488.52.11.11			
	5/3		Pneumatic - Pneumatic - CC	T488.53.31.11.11	max 10 bar	550Nl/min	
			Pneumatic - Pneumatic - CA	T488.53.32.11.11			
			Pneumatic - Pneumatic - CP	T488.53.33.11.11			
	5/2		Solenoid - Spring (Self-feeding Version)	T488.52.0.1.*	max 10 bar	620Nl/min	
			Solenoid - Spring (External feeding Version)	T488.52.0.1E.*			
			Solenoid - Differential (Self-feeding Version)	T488.52.0.12.*			
			Solenoid - Differential (External feeding Version)	T488.52.0.12E.*			
			Solenoid - Solenoid (Self-feeding Version)	T488.52.0.0.*			
			Solenoid - Solenoid (External feeding Version)	T488.52.0.0E.*			
	5/3		Solenoid - Solenoid (Self-feeding Version)	T488.53.31.0.0.*	max 10 bar	550Nl/min	mm 6
			Solenoid - Solenoid (Self-feeding Version)	T488.53.32.0.0.*			
			Solenoid - Solenoid (Self-feeding Version)	T488.53.33.0.0.*			
			Solenoid - Solenoid (External feeding Version)	T488.53.31.0.0E.*			
			Solenoid - Solenoid (External feeding Version)	T488.53.32.0.0E.*			
			Solenoid - Solenoid (External feeding Version)	T488.53.33.0.0E.*			
			Manifold for G 1/8"	T488.**	/	/	/
			Closing plate	T488.00			

* Voltage: **M11** = Coil 24V 50/60 Hz (absorbed power continuos running 2 Watt)
M11 = Coil 24V D.C. (absorbed power continuos running 3,8 Watt)
M56 = Coil 24 V 50/60 Hz (absorbed power at pick - up 9 VA, continuos running 6VA)
M57 = Coil 110V 50/60 Hz (absorbed power at pick - up 9 VA, continuos running 6VA)
M58 = Coil 220V 50/60 Hz (absorbed power at pick - up 9 VA, continuos running 6VA)

** = Number of seats (from 02 to 10)

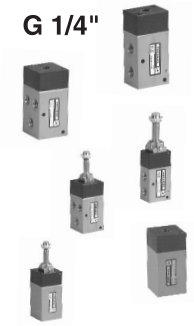
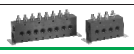
2

VALVES and POPPET VALVES
(Series 700, section 2)

		Symbol	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
M5	3/2		Pneumatic - Spring	705.32.11.1	max 10 bar	570Nl/min	mm 5,5
G 1/8"	3/2		Pneumatic - Spring	718.32.11.1	max 10 bar	570Nl/min	mm 5,5
			Pneumatic - Spring N.A.	778.32.11.1A	2,5-10 bar	840Nl/min	mm 6
			Pneumatic - Spring N.C.	778.32.11.1C			
			Microsol - Spring N.A.	778.32.0.1A.M2	3-10 bar		
			Microsol - Spring N.C.	778.32.0.1C.M2			
	5/2		Pneumatic - Spring	778.52.11.1	2,5-10 bar	840Nl/min	
			Microsol - Spring	778.52.0.1.M2	3-10 bar		
			Valve for manifold	788.52.11.1	2,5-10 bar		
			Solenoid valve for manifold	788.52.0.1.M2	3-10 bar		
			Manifold	788/*	/	/	/

VALVES AND POPPET VALVES
(series 700, section 2)

PNEUMAX

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/4" 	3/2		Pneumatic - spring N.O.	774.32.11.1A	2,5-10 bar	1560Nl/min	mm 8
			Pneumatic - spring N.C.	774.32.11.1C			
			Microsol. - spring N.O.	774.32.0.1A.M2	3-10 bar		
			Microsol - spring N.C.	774.32.0.1C.M2			
	5/2		Pneumatic - spring	774.52.11.1	2,5-10 bar		
			Microsol. - spring	774.52.0.1.M2	3-10 bar		
			Valve for manifold	784.52.11.1	2,5-10 bar		
			Solenoid valve for manifold	784.52.0.1.M2	3-10 bar		
			Manifold	784/*	/	/	/

* = N. POSTI (da 02 a 05)

VALVES AND SOLENOID VALVES FOR COMPRESSED AIR AND VACUUM
(series 700, section 2)

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 3/8" 	air		Pneumatic - spring N.O.	779.32.11.1A	2,5-10 bar	1800Nl/min	mm 10
			Pneumatic - spring N.C.	779.32.11.1C			
			Microsol. - spring, selffeeding N.C.	779.32.0.1AC.M2	3-10 bar		
			Microsol. - spring external feeding N.C.	779.32.0.1C.M2	2,5-10 bar		
			Microsol. - spring selffeeding N.O	779.32.0.1AA.M2	3-10 bar		
			Microsol. - spring external feeding N.O.	779.32.0.1A.M2	2,5-10 bar		
	vacuum		Pneumatic - spring N.O.	779/V.32.11.1A	min.2 bar	/	
			Pneumatic - spring N. C.	779/V.32.11.1C			
			Microsol. - spring selffeeding N.O	779/V.32.0.1AA.M2/V	min.2 bar		
			Microsol. - spring selffeeding N.C.	779/V.32.0.1AC.M2/V			
			Microsol. -spring , external feeding N.O.	779/V.32.0.1A.M2	min.2 bar		
			Microsol. -spring , external feeding N.C.	779/V.32.0.1C.M2			
G 1/2" 	air		Pneumatic - spring N.C.	772.32.11.1C	2,5-10 bar	/	mm 15
			Microsol. - spring selffeeding N.C.	772.32.0.1AC.M2	3-10 bar		
			Microsol. - spring, external feeding N.C	772.32.0.1C.M2	2,5-10 bar		
	vacuum		Pneumatic - spring N.O.	772/V.32.11.1A	min.2 bar		
			Pneumatic - spring N.C.	772/V.32.11.1C			
			Microsol. - spring selffeeding N.O.	772/V.32.0.1AA.M2/V	/		
			Microsol. - spring , selffeeding N.C.	772/V.32.0.1AC.M2/V			
			Microsol. - spring, external feeding N.O.	772/V.32.0.1A.M2	min.2 bar		
			Microsol. - spring, external feeding N.C.	772/V.32.0.1C.M2			
G 3/4" 	air		Pneumatic - spring N.C.	773.32.11.1C	2,5-10 bar	6100Nl/min	mm 20
			Microsol. - spring, selffedding N.C.	773.32.0.1AC.M2	3-10 bar		
			Microsol. - spring, external selffeeding N.C.	773.32.0.1C.M2	2,5-10 bar		
	vacuum		Pneumatic - spring N.O.	773/V.32.11.1A	min.2 bar	/	
			Pneumatic - spring N.C	773/V.32.11.1C			
			Microsol. - spring selffeeding N.O.	773/V.32.0.1AA.M2/V	/		
			Microsol. - spring , selffeeding N.C.	773/V.32.0.1AC.M2/V			
			Microsol. - spring, external selffeeding N.O.	773/V.32.0.1A.M2	min.2 bar		
			Microsol. - spring, external selffeeding N.C.	773/V.32.0.1C.M2			

VALVES AND SOLEN. VALVES FOR COMPRES. AIR AND VACUUM

(series 700, section 2)

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1"	air		Pneumatic - spring N.C.	771.32.11.1C	2,5-10 bar	12000Nl/min	mm 25
			Microsol. - spring, selffedding N.C.	771.32.0.1AC.M2	3-10 bar		
			Microsol. - spring, external selffeeding N.C.	771.32.0.1C.M2	2,5-10 bar		
	vacuum		Pneumatic - spring N.O.	771/V.32.11.1A	min 2 bar	/	
			Pneumatic - spring N.C	771/V.32.11.1C			
			Microsol. - spring selffeeding N.O.	771/V.32.0.1AA.M2/V	/		
			Microsol. - spring , selffeeding N.C.	771/V.32.0.1AC.M2/V			
			Microsol. - spring, external selffeeding N.O.	771/V.32.0.1A.M2	min 2 bar		
			Microsol. - spring, selffedding N.C.	771/V.32.0.1.C.M2			
G 1½"	air		Pneumatic - spring N.C	776.22.11C	2,5-10 bar	33500Nl/min	mm 38
			Sol. - spring selffeeding N.C.	776.22.0.1AC.S*	3-10 bar		
			Sol. - spring external feeding N.C.	776.22.0.1C.S*	2,5-10 bar		
			Pneumatic - spring N.C.	776.32.11.1C	2,5-10 bar		
			Sol. - spring selffeeding N.C	776.32.0.1AC.S*	3-10 bar		
			Sol. - spring external feeding N.C.	776.32.0.1C.S*	2,5-10 bar		
	vacuum		Pneumatic - spring N.C.	776/V.22.11.1C	min 2 bar	/	
			Sol. - spring external feeding N.C	776/V.22.0.1C.S*			
			Pneumatic - spring N.O.	776/V.32.11.1A			
			Pneumatic - spring N.C	776/V.32.11.1C			
			Sol. - spring external feeding N.O.	776/V.32.0.1A.S*			
			Sol. - spring external feeding N.C	776/V.32.0.1C.S*			

S* = see coils for microsolenoid valves 32 mm pag. 2.7 and 2.8

VALVES AND SOLENOID VALVES WITH BODY IN TECHNOPOLYR

(series 700, section 2)

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/2" for compressed air			Pneumatic - spring N.C.	T772.32.11.1	10 bar	4100Nl/min	mm 15
			Pneumatic - spring N.O.	T772.32.11.1			
	Internal Pilot		Solenoid - spring N.C.	T772.32.0.1AC.MP			
			Solenoid - spring N.O.	T772.32.0.1AA.MP			
	Servoassisted external Pilot		Solenoid - spring N.C.	T772.32.0.1.MP			
			Solenoid - spring N.O.	T772.32.0.1.MP			
	Internal Pilot with quick exhaust		Solenoid - spring N.C.	T772S.32.0.1AC.MP			
			Solenoid - spring N.O.	T772S.32.0.1AA.MP			
	Servoassisted external Pilot with quick exhaust		Solenoid - spring N.C.	T772S.32.0.1.MP			
			Solenoid - spring N.O.	T772S.32.0.1.MP			
G 1/2" for vacuum			Pneumatic - spring N.O.	T772/V.32.11.1	/	/	
			Pneumatic - spring N.C.	T772/V.32.11.1			
	Internal Pilot		Solenoid - spring N.O.	T772/V.32.0.1AA.MV			
			Solenoid - spring N.C.	T772/V.32.0.1AC.MV			
	Servoassisted external Pilot		Solenoid - spring N.O.	T772/V.32.0.1.MP			
			Solenoid - spring N.C.	T772/V.32.0.1.MP			
	Servoassisted external Pilot with quick exhaust		Solenoid - spring N.O.	T772/VS.32.0.1.MP			
			Solenoid - spring N.C.	T772/VS.32.0.1.MP			

VALVES AND SOLENOID VALVES WITH BODY IN TECHNOPOLYR
(series 700, section 2)

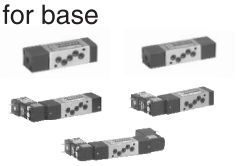
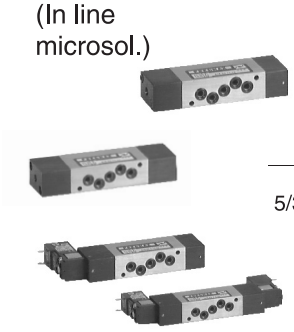
PNEUMAX

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 3/4" for compressed air			Pneumatic - spring N.C.	T773.32.11.1	10 bar	6400Nl/min	mm 20
			Pneumatic - spring N.O.	T773.32.11.1			
	Internal Pilot		Solenoid - spring N.C.	T773.32.0.1AC.MP			
			Solenoid - spring N.O.	T773.32.0.1AA.MP			
	Servoassisted external Pilot		Solenoid - spring N.C.	T773.32.0.1.MP			
			Solenoid - spring N.O.	T773.32.0.1.MP			
	Internal Pilot with quick exhaust		Solenoid - spring N.C.	T773S.32.0.1AC.MP			
			Solenoid - spring N.O.	T773S.32.0.1AA.MP			
	Servoassisted external Pilot with quick exhaust		Solenoid - spring N.C.	T773S.32.0.1.MP			
			Solenoid - spring N.O.	T773S.32.0.1.MP			
G 3/4" for vacuum			Pneumatic - spring N.O.	T773/V.32.11.1	/	/	
			Pneumatic - spring N.C.	T773/V.32.11.1			
	Internal Pilot		Solenoid - spring N.O.	T773/V.32.0.1AA.MV			
			Solenoid - spring N.C.	T773/V.32.0.1AC.MV			
	Servoassisted external Pilot		Solenoid - spring N.O.	T773/V.32.0.1.MP			
			Solenoid - spring N.C.	T773/V.32.0.1.MP			
	Servoassisted external Pilot with quick exhaust		Solenoid - spring N.O.	T773/VS.32.0.1.MP			
			Solenoid - spring N.C.	T773/VS.32.0.1.MP			

DISTRIBUTORS AND ELETTRODISTRIBUTORS
(series 800, section 2)

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
M5 Compact distributors	3/2		Pneumatic - spring	805.32.11.1	2-10 bar	160Nl/min	mm 2,5
			Pneumatic - differential	805.32.11.12			
			Pneumatic - pneumatic	805.32.11.11	1,5-10 bar		
			Microsolenoid - spring	805.32.0.1.*	2-10 bar		
			Microsolenoid - differential	805.32.0.12.*			
			Microsolenoid - microsolenoid	805.32.0.0.*	1,5-10 bar		
	5/2		Pneumatic - spring	805.52.11.1	2-10 bar		
			Pneumatic - differential	805.52.11.12			
			Pneumatic - pneumatic	805.52.11.11	1,5-10 bar		
			Microsolenoid - spring	805.52.0.1.*	2-10 bar		
			Microsolenoid - differential	805.52.0.12.*			
			Microsolenoid - microsolenoid	805.52.0.0.*	1,5-10 bar		
			Clip	800.00	/	/	/
			Closing plate	805.00			
			Manifolds	805.**			

** = Number of seats (from 02 to 10)
* = List of voltages : **01** = microsol. 12 V D.C. **06** = microsol. 110 V A.C.
02 = microsol. 24 V D.C. **07** = microsol. 220 V A.C.
05 = microsol. 24 V A.C.
The pilots solenoid valve used is a 15 mm 3/2 N.C. microsolenoid with Faston and 1.1 orifice.

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Compact distributors for base 	5/2		Pneumatic - spring	805.52.11.1	2-10 bar	160Nl/min	mm 2,5
			Pneumatic - differential	815.52.11.12			
			Pneumatic - pneumatic	815.52.11.11	1,5-10 bar		
			Microsol. - spring	815.52.0.1.*	2-10 bar		
			Microsol. - differential	815.52.0.12.*			
			Microsol. - microsol.	815.52.0.0.*	1,5-10 bar		
			Clip	800.00	/	/	/
			Closing plate	815.00			
			Multiple bases fitting for tube Ø 4	845.*			
			Multiple bases fitting for thread M5	855.*			
G 1/8" Compact distributors 	3/2		Pneumatic - spring	808.32.11.1	2-10 bar	520Nl/min	mm 4
			Pneumatic - differential	808.32.11.12			
			Pneumatic - pneumatic	808.32.11.11	1,5-10 bar		
			Microsol. - spring	808.32.0.1.*	2-10 bar		
			Microsol. - differential	808.32.0.12.*			
			Microsol. - microsol.	808.32.0.0.*	1,5-10 bar		
	5/2		Pneumatic - spring	808.52.11.1	2-10 bar		
			Pneumatic - differential	808.52.11.12			
			Pneumatic - pneumatic	808.52.11.11	1,5-10 bar		
			Microsol. - spring	808.52.0.1*	2-10 bar		
			Microsol. - differential	808.52.0.12.*			
			Microsol. - microsol.	808.52.0.0*	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	808.53.31.11.11	3-10 bar		
			Pneumatic - pneumatic OC	808.53.32.11.11			
			Microsol. - microsol. CC	808.53.31.0.0.*			
			Microsol. - microsol. OC	808.53.32.0.0.*			
			Clip	800.00	/	/	/
			Closing plate	808.00			
			Manifolds	808.**			
Compact distributors for base (In line microsol.) 	5/2		Pneumatic - spring	818.52.11.1	2-10 bar	520Nl/min	mm 4
			Pneumatic - differential	818.52.11.12			
			Pneumatic - pneumatic	818.52.11.11	1,5-10 bar		
			Microsol. - spring	818.52.0.1.*	2-10 bar		
			Microsol. - differential	818.52.0.12.*			
			Microsol. - microsol.	818.52.0.0.*	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	818.53.31.11.11	3-10 bar		
			Pneumatic - pneumatic OC	818.53.32.11.11			
			Microsol. - microsol. CC	818.53.31.0.0.*			
			Microsol. - microsol. OC	818.53.32.0.0.*			

** = Number of seats (from 02 to 10)
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02 = microsol. 24 V D.C. **07** = microsol. 220 V A.C.
05 = microsol. 24 V A.C.
The pilots solenoid valve used is a 15 mm 3/2 N.C. microsolenoid with Faston and 1.1 orifice.

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Compact distributors for base (microsol. at 90°)  	5/2		Microsolenoid - spring	818/1.52.0.1.*	2-10 bar	520NI/min	mm 4
			Microsolenoid - differential	818/1.52.0.12.*			
			Microsolenoid - microsolenoid	818/1.52.0.0.*	1,5-10 bar		
	5/3		Microsolenoid - microsolenoid CC	818/1.53.31.0.0.*	3-10 bar		
			Microsolenoid - microsolenoid OC	818/1.53.32.0.0.*			
 			Clip	800.00	/	/	/
			Closing plate	818.00			
			Manifolds	818.*			
G 1/8" Technopolymer 	5/2		Pneumatic - spring	828.52.1.9	2,5-10 bar	800NI/min	mm 7
			Pneumatic - differential	828.52.1.6	2-10 bar		
			Pneumatic - pneumatic	828.52.1.8	1,5-10 bar		
			Microsolenoid - spring	828.52.3.9.M2	2,5-10 bar		
			Microsolenoid - differential	828.52.3.6.M2	2-10 bar		
			Microsolenoid - solenoid	828.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	828.53.31.1.8	3-10 bar	710NI/min	
			Pneumatic - pneumatic OC	828.53.32.1.8			
			Pneumatic - pneumatic PC	828.53.33.1.8			
			Microsolenoid - microsolenoid CC	828.53.31.3.5.M2	3-10 bar		
			Microsolenoid - microsolenoid OC	828.53.32.3.5.M2			
			Microsolenoid - microsolenoid PC	828.53.33.3.5.M2			
 			Closing plate	828.00	/	/	/
			Manifolds	828.**			
Threaded connections 	5/2		Pneumatic - spring	858/2.52.1.9	2,5-10 bar	600NI/min	mm 6
			Pneumatic - differential	858/2.52.1.6	2-10 bar		
			Pneumatic - pneumatic	858/2.52.1.8	1,5-10 bar		
			Solenoid - spring	858/2.52.3.9.M2	2,5-10 bar		
			Solenoid - differential	858/2.52.3.6.M2	2-10 bar		
			Solenoid - solenoid	858/2.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	858/2.53.31.1.8	3-10 bar	430NI/min	
			Pneumatic - pneumatic OC	858/2.53.32.1.8			
			Pneumatic - pneumatic PC	858/2.53.33.1.8			
			Microsolenoid - microsolenoid CC	858/2.53.31.3.5.M2			
			Microsolenoid - microsolenoid OC	858/2.53.32.3.5.M2			
			Microsolenoid - microsolenoid PC	858/2.53.33.3.5.M2			
   			Modular base for series mounting	858/3.00	/	/	/
			Tall brackets	858/3.01			
			Low brackets	858/3.02			
			Inlet connector	858/3.03			
			Mod. base for series mounting with ind. feed	858/3.04			

** = Number of seats (from 02 to 10)
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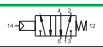
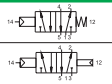
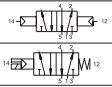
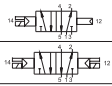
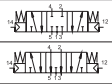
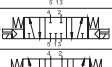
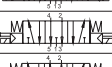
02 = microsol. 24 V D.C. **07** = microsol. 220 V A.C.
05 = microsol. 24 V A.C.
The pilots solenoid valve used is a 15 mm 3/2 N.C. microsolenoid with Faston and 1.1 orifice.

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Series mounting	5/2		Pneumatic - spring	858/3.52.1.9	2,5-10 bar	600Nl/min	mm 6
			Pneumatic - differential	858/3.52.1.6	2-10 bar		
			Pneumatic - pneumatic	858/3.52.1.8	1,5-10 bar		
			Microsolenoid - spring	858/3.52.3.9.M2	2,5-10 bar		
			Microsolenoid - differential	858/3.52.3.6.M2	2-10 bar		
			Microsolenoid - microsolenoid	858/3.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	858/3.53.31.1.8	3-10 bar	430Nl/min	
			Pneumatic - pneumatic OC	858/3.53.32.1.8			
			Pneumatic - pneumatic PC	858/3.53.33.1.8			
			Microsolenoid - microsolenoid CC	858/3.53.31.3.5.M2			
			Microsolenoid - microsolenoid OC	858/3.53.32.3.5.M2			
			Microsolenoid - microsolenoid PC	858/3.53.33.3.5.M2			
ISO base size 1	5/2		Pneumatic - spring	858/4.52.1.9	2,5-10 bar	720Nl/min	mm 6
			Pneumatic - differential	858/4.52.1.6	2-10 bar		
			Pneumatic - pneumatic	858/4.52.1.8	1,5-10 bar		
			Microsolenoid - spring	858/4.52.3.9.M2	2,5-10 bar		
			Microsolenoid - differential	858/4.52.3.6.M2	2-10 bar		
			Microsolenoid - microsolenoid	858/4.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	858/4.53.31.1.8	3-10 bar	520Nl/min	
			Pneumatic - pneumatic OC	858/4.53.32.1.8			
			Pneumatic - pneumatic PC	858/4.53.33.1.8			
			Microsolenoid - microsolenoid CC	858/4.53.31.3.5.M2			
			MIcrosolenoid - microsolenoid OC	858/4.53.32.3.5.M2			
			Microsolenoid - microsolenoid PC	858/4.53.33.3.5.M2			
G 1/4" Technopolymer	5/2		Pneumatic - spring	824.52.1.9	2,5-10 bar	1350Nl/min	mm 8,5
			Pneumatic - differential	824.52.1.6	2-10 bar		
			Pneumatic - pneumatic	824.52.1.8	1,5-10 bar		
			Microsolenoid - spring	824.52.3.9.M2	2,5-10 bar		
			Microsolenoid - differential	824.52.3.6.M2	2-10 bar		
			Microsolenoid - microsolenoid	824.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	824.53.31.1.8	3-10 bar	940Nl/min	mm 8,5
			Pneumatic - pneumatic OC	824.53.32.1.8			
			Pneumatic - pneumatic PC	824.53.33.1.8			
			Microsolenoid - microsolenoid CC	824.53.31.3.5.M2	3-10 bar		
			Microsolenoid - microsolenoid OC	824.53.32.3.5.M2			
			Microsolenoid - microsolenoid PC	824.53.33.3.5.M2			
			Closing plate	824.00	/	/	/
			Manifolds	824.**			

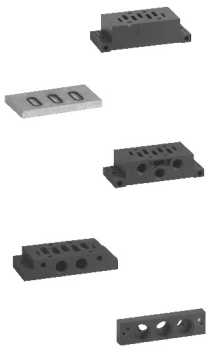
** = Number of seats (from 02 to 10)
_* = List of voltages : **01** = microsol. 12 V D.C. **06** = microsol. 110 V A.C.
02 = microsol. 24 V D.C. **07** = microsol. 220 V A.C.
05 = microsol. 24 V A.C.
The pilots solenoid valve used is a 15 mm 3/2 N.C. microsolenoid with Faston and 1.1 orifice.

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Size 1	5/2		Pneumatic - spring	1001.52.1.9	2,5-10 bar	840Nl/min	/
			Pneumatic - differential	1001.52.1.6	2-10 bar		
			Pneumatic - pneumatic	1001.52.1.8	1,5-10 bar		
			Microsolenoid - spring	1051.52.3.9.M2	2,5-10 bar		
			Microsolenoid - differential	1051.52.3.6.M2	2-10 bar		
			Microsolenoid - microsolenoid	1051.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	1001.53.31.1.8	3-10 bar	720Nl/min	
			Pneumatic - pneumatic OC	1001.53.32.1.8			
			Pneumatic - pneumatic PC	1001.53.33.1.8			
			Microsolenoid - microsolenoid CC	1051.53.31.3.5.M2			
			Microsolenoid - microsolenoid OC	1051.53.32.3.5.M2			
			Microsolenoid - microsolenoid PC	1051.53.33.3.5.M2			
Technopolymer	5/2		Pneumatic - spring	1011.52.1.9	2,5-10 bar	900Nl/min	/
			Pneumatic - differential	1011.52.1.6	2-10 bar		
			Pneumatic - pneumatic	1011.52.1.8	1,5-10 bar		
			Solenoid - spring	1011.52.3.9.M**	2,5-10 bar		
			Solenoid - differential	1011.52.3.6.M**	2-10 bar		
			Solenoid - solenoid	1011.52.3.5.M**	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	1011.52.31.1.8	3-10 bar		
			Pneumatic - pneumatic OC	1011.53.32.1.8			
			Pneumatic - pneumatic PC	1011.53.33.1.8			
			Solenoid - solenoid CC	1011.53.31.3.5.M**			
			Solenoid - solenoid OC	1011.53.32.3.5.M**			
			Solenoid - solenoid PC	1011.53.33.3.5.M**			
Size 2	5/2		Pneumatic - differential	1002.52.16	2-10 bar	1700Nl/min	/
			Pneumatic - pneumatic	1002.52.18	1,5-10 bar		
			Microsolenoid - differential	1052.52.3.6.M2	2-10 bar		
			Microsolenoid microsolenoid	1052.52.3.5.M2	1,5-10 bar		
	5/3		Pneumatic - pneumatic CC	1002.53.31.1.8	3-10 bar		
			Pneumatic - pneumatic OC	1002.53.32.1.8			
			Pneumatic - pneumatic PC	1002.53.33.1.8			
			Microsolenoid - microsolenoid CC	1052.53.31.3.5.M2			
			Microsolenoid - microsolenoid OC	1052.53.32.3.5.M2			
			MIcrosolenoid - microsolenoid PC	1052.53.33.3.5.M2			
Technopolymer	5/2		Pneumatic - spring	1012.52.1.9	2,5-10 bar	1600Nl/min	/
			Pneumatic - differential	1012.52.1.6			
			Pneumatic - pneumatic	1012.52.1.8	2-10 bar		
			Solenoid - spring	1012.52.3.9.M**	1,5-10 bar		
			Solenoid - differential	1012.52.3.6.M**	2,5-10 bar		
			Solenoid - solenoid	1012.52.3.5.M**	2-10 bar		
			Pneumatic - pneumatic CC	1012.53.31.1.8	1,5-10 bar		
	5/3		Pneumatic - pneumatic OC	1012.53.32.1.8	3-10 bar		
			Pneumatic - pneumatic PC	1012.53.33.1.8			
			Solenoid - solenoid CC	1012.53.31.3.5.M**			
			Solenoid - solenoid OC	1012.53.32.3.5.M**			
			Solenoid - solenoid PC	1012.53.33.3.5.M**			

* = Code for 32 mm microsolenoid valve (see sec. 1) - ** = Code for 30 mm microsolenoid valve (see sec. 1)

	Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Accessories for size 1 and size 2 		Cnomo base for solenoid size 1 and 2	1001.04	/	/	
		Base for microsolenoid size 1 and 2	1001.05			
		Base with bottom connections size 1	1001.00			
		Base with lateral connections	1001.01			
		Inlet block size 1	1001.02			
		Base with bottom connectios size 2	1002.00			
Size 3  5/2		Pneumatic - spring	1013.52.1.9	2,5-10 bar	3600Nl/min	/
		Pneumatic - differential	1013.52.1.6	2-10 bar		
		Pneumatic - pneumatic	1013.52.1.8	1,5-10 bar		
		Solenoid - spring	1013.52.3.9.M**	2,5-10 bar		
		Solenoid - differential	1013.52.3.6.M**	2-10 bar		
		Solenoid - solenoid	1013.52.3.5.M**	1,5-10 bar		
5/3		Pneumatic - pneumatic CC	1013.53.31.1.8	3-10 bar	3000Nl/min	
		Pneumatic - pneumatic OC	1013.53.32.1.8			
		Pneumatic - pneumatic PC	1013.53.33.1.8			
		Solenoid - solenoid CC	1013.53.31.3.5.M**			
		Solenoid - solenoid OC	1013.53.32.3.5.M**			
		Solenoid - solenoid PC	1013.53.33.3.5.M**			

* = Code for 32 mm microsolenoid valve (see sec. 1)
** = Code for 30 mm microsolenoid valve (see sec. 1)

		Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Inlet blocks 	size 1	Size 1	1101.09	/	/	/
		Universal	1101.10			
		Alligned connections	1101.11			
		Top connections	1101.12			
		Bottom connections	1101.13			
	size 2	Universal	1102.10			
		Alligned connections	1102.11			
		Top connections	1102.12			
		Bottom connections	1102.13			
	size 3	Alligned connections	1103.11			
Modular bases with side and bottom connections 		Size 1	1101.00			
		Size 2	1102.00			
		Size 3	1103.00			
Individual base 	size 1	Shape "A"	1101.14			
		Shape "B"	1101.15			
		Closing plate	1101.16			
	size 2	Shape "A"	1102.14			
		Shape "B"	1102.15			
		Closing plate	1102.16			
	size 3	Shape "A"	1103.14			
		Closing plate	1103.16			
		Interbase 2-1	1100.2-1			
		Interbase 3-2	1100.3-2			

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
M5 LINE  	5/2		Pneumatic - differential	2115.52.00.16	2-10 bar	250Nl/min	mm 2,5
			Pneumatic - pneumatic	2115.52.00.18	1,5-10 bar		
			Pneumatic - spring	2115.52.00.19.	2-10 bar		
			Microsolenoid - microsolenoid	2115.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2115.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2115.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2115.53.31.18.*	2,5-10 bar	180Nl/min	
			Pneumatic - pneumatic OC	2115.53.32.18.*			
			Pneumatic - pneumatic PC	2115.53.33.18.*			
			Microsolenoid - microsolenoid CC	2115.53.31.35.*			
			Microsolenoid - microsolenoid OC	2115.53.32.35.*			
			Microsolenoid - microsolenoid PC	2115.53.33.35.*			
M7x1 LINE  	5/2		Pneumatic - differential	2117.52.00.16	2-10 bar	250Nl/min	
			Pneumatic - pneumatic	2117.52.00.18	1,5-10 bar		
			Pneumatic - spring	2117.52.00.19	2-10 bar		
			Microsolenoid - microsolenoid	2117.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2117.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2117.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2117.53.31.18.*	2,5-10 bar	180Nl/min	
			Pneumatic - pneumatic OC	2117.53.32.18.*			
			Pneumatic - pneumatic PC	2117.53.33.18.*			
			Microsolenoid - microsolenoid CC	2117.53.31.35.*			
			Microsolenoid - microsolenoid OC	2117.53.32.35.*			
			Microsolenoid - microsolenoid PC	2117.53.33.35.*			
M5 FLAT  	5/2		Pneumatic - differential	2135.52.00.16	2-10 bar	250Nl/min	mm 2,5
			Pneumatic - pneumatic	2135.52.00.18	1,5-10 bar		
			Pneumatic - spring	2135.52.00.19	2-10 bar		
			Microsolenoid - microsolenoid	2135.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2135.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2135.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2135.53.31.18.*	2,5-10 bar	180Nl/min	
			Pneumatic - pneumatic OC	2135.53.32.18.*			
			Pneumatic - pneumatic PC	2135.53.33.18.*			
			Microsolenoid - microsolenoid CC	2135.53.31.35.*			
			Microsolenoid - microsolenoid OC	2135.53.32.35.*			
			Microsolenoid - microsolenoid PC	2135.53.33.35.*			
M7x1 FLAT 	5/2		Pneumatic - differential	2137.52.00.16	2-10 bar	250Nl/min	mm 2,5
			Pneumatic - pneumatic	2137.52.00.18	1,5-10 bar		
			Pneumatic - spring	2137.52.00.19	2-10 bar		
			Microsolenoid - microsolenoid	2137.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2137.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2137.52.00.39.*			

* = List of voltages:
01 = miniat. sol. 12 VDC conn. 90° with led
02 = miniat. sol. 24 VDC conn. 90° with led
11 = miniat. sol. 12 VDC conn. 90° with led downward
12 = miniat. sol. 24 VDC conn. 90° with led downward
21 = miniat. sol. 12 VDC line conn. with led
22 = miniat. sol. 24 VDC line conn. with led
31 = miniat. sol. 12 VDC line conn. with led downward
32 = miniat. sol. 24 VDC line conn. with led downward
91 = miniat. sol. 12 VDC for integral electrical conn. downward
Not for LINE series
92 = miniat. sol. 12 VDC for integral electrical conn. downward
Not for LINE series

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
M7x1 FLAT	5/3		Pneumatic - pneumatic CC	2137.53.31.18.*	2,5-10 bar	180Nl/min	mm 2,5
			Pneumatic - pneumatic OC	2137.53.32.18.*			
			Pneumatic - pneumatic PC	2137.53.33.18.*			
			Microsolenoid - microsolenoid CC	2137.53.31.35.*			
			Microsolenoid - microsolenoid OC	2137.53.32.35.*			
			Microsolenoid - microsolenoid PC	2137.53.33.35.*			
BASE	5/2		Pneumatic - differential	2141.52.00.16	2-10 bar	250Nl/min	mm 2,5
			Pneumatic - pneumatic	2141.52.00.18	1,5-10 bar		
			Pneumatic - spring	2141.52.00.19	2-10 bar		
	5/3		Microsolenoid - microsolenoid	2141.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2141.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2141.52.00.39.*			
			Pneumatic - pneumatic CC	2141.53.31.18.*	2,5-10 bar	180Nl/min	
			Pneumatic - pneumatic OC	2141.53.32.18.*			
			Pneumatic - pneumatic PC	2141.53.33.18.*			
			Microsolenoid - microsolenoid CC	2141.53.31.35.*			
			Microsolenoid - microsolenoid OC	2141.53.32.35.*			
			Microsolenoid - microsolenoid PC	2141.53.33.35.*			
Accessories			Modular base for FLAT	2130.01	/	/	/
			Modular base for BASE without cartrige	2140.01			
			Mod. base for BASE c/w 4mm tube cartrid.	2144.01			
			Mod. base for BASE c/w M5 cartridges	2145.01			
			Mod. base for BASE c/w 6 mm tube cartridges	2146.01			
			Mod. base for BASE c/w M7x1 cartridges	2147.01			
			Right inlet base	2140.02			
			Left inlet base	2140.03			
			Intermediate air intake	2130.10			
			Closing plate	2130.00			
			DIN ray adapter	2130.16			
			Diaphragm plug	2130.17			
			Modular base cartrige 4 mm tube	2100.031M			
			Modular base cartrige M5	2100.033M			
			Modular base cartrige M7x1	2100.034M			
			Modular base cartrige lock	2100.035M			
			Modular base cartrige 6 mm tube	2100.036M			
		Integral electrical connection	4 positions IP40-PNP left modul	2100.04.00			
			4 positions IP40-PNP right modul	2100.04.01			
			4 pos. IP40-PNP left modul with prot.diode	2100.04.02			
			4 pos. IP40-PNP right modul with prot. diode	2100.04.03			
			4 positions IP65-PNP left modul	2100.04.10			
			4 positions IP65-PNP right modul	2100.04.11			
			4 pos. IP65-PNP left modul with prot.diode	2100.04.12			
			4 pos. IP65-PNP right modul with prot. diode	2100.04.13			

* = List of voltages:
01 = miniat. sol. 12 VDC 90°conn. with led
02 = miniat. sol. 24 V DC 90°conn. with led
11 = miniat. sol. 12 V DC 90°conn. with led downward
12 = miniat. sol. 24 V DC 90°conn. with led downward
21 = miniat. sol. 12 V DC line conn. with led
22 = miniat. sol. 24 V DC line conn. with led
31 = miniat. sol. 12 V DC line conn. with led downward
32 = miniat. sol. 24 V DC line conn. with led downward
91 = miniat. sol. 12 V DC for integral electrical conn. downward
92 = miniat. sol. 24 V DC for integral electrical conn. downward

DISTRIBUTORS AND ELETTRODISTRIBUTORS ISO 5599/1

(series 2100, section 2)

PNEUMAX





		Description	Code	Max. pressure	Flow at 6 bar	Orifice size
	Integral electrical connection	2 positions IP40-PNP left modul	2100.02.00	/	/	/
		2 positions IP40-PNP right modul	2100.02.01			
		2 pos. IP40-PNP left modul with prot.diode	2100.02.02			
		2 pos. IP40-PNP right modul with prot. diode	2100.02.03			
		2 positions IP65-PNP left modul	2100.02.10			
		2 positions IP65-PNP right modul	2100.02.11			
		2 pos. IP65-PNP left modul with prot.diode	2100.02.12			
		2 pos. IP65-PNP right modul with prot. diode	2100.02.13			
		37 contacts front connector IP 65	2100.37.10			
		25 contacts front connector IP 65	2100.25.10			
		Plug	2100.50			
		FLAT support plate	2130.50			
Mobile positioning cable c/w connector	25 contacts	3 m. - IP40	2400.25.03.00	/	/	/
		5 m. - IP40	2400.25.05.00			
		10 m. - IP40	2400.25.10.00			
		3 m. - IP65 with protection device	2400.25.03.10			
		5 m. - IP65 with protection device	2400.25.05.10			
		10 m. - IP65 with protection device	2400.25.10.10			
	37 contacts	3 m. - IP40	2400.37.03.00			
		5 m. - IP40	2400.37.05.00			
		10 m. - IP40	2400.37.10.00			
		3 m. - IP65 with protection device	2400.37.03.10			
		5 m. - IP65 with protection device	2400.37.05.10			
		10 m. - IP65 with protection device	2400.37.10.10			

DISTRIBUTORS AND ELETTRODISTRIBUTORS SIZE 18mm

(series 2400, section 2)

PNEUMAX


		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/8" LINE	5/2		Pneumatic - differential	2415.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2415.52.00.17			
			Pneumatic - pneumatic	2415.52.00.18	1,5-10 bar		
			Pneumatic - spring	2415.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2415.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2415.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2415.52.00.27.*			
			Microsolenoid external - spring	2415.52.00.29.*			
			Microsolenoid - microsolenoid	2415.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2415.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2415.52.00.37.*			
			Microsolenoid - spring	2415.52.00.39.*			

* = List of voltages:
01 = micros. 12 V D.C.
02 = micros. 24 V D.C.
05 = micros. 24 V A.C.
07 = micros. 220 V A.C.
11 = micros. 12 V D.C. Downward
12 = micros. 24 V D.C. Downward
15 = micros. 24 V A.C. Downward
17 = micros. 220 V A.C. Downward

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/8" LINE	5/3		Pneumatic - pneumatic CC	2415.53.31.18.*	3-10 bar	650Nl/min	mm 7
			Pneumatic - pneumatic OC	2415.53.32.18.*			
			Pneumatic - pneumatic PC	2415.53.33.18.*			
			Microsolenoid - microsolenoid CC	2415.53.31.35.*			
			Microsolenoid - microsolenoid OC	2415.53.32.35.*			
			Microsolenoid - microsolenoid PC	2415.53.33.35.*			
G 1/4" LINE	5/2		Pneumatic - differential	2411.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - pneumatic external	2411.52.00.17			
			Pneumatic - pneumatic	2411.52.00.18	1,5-10 bar		
			Pneumatic - spring	2411.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2411.52.00.24.*	1,5-10 bar	900Nl/min	
			Microsolenoid external - differential	2411.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2411.52.00.27.*			
			Microsolenoid external - spring	2411.52.00.29.*			
			Microsolenoid - microsolenoid	2411.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2411.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2411.52.00.37.*			
			Microsolenoid - spring	2411.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2411.53.31.18.*	3-10 bar	650Nl/min	
			Pneumatic - pneumatic OC	2411.53.32.18.*			
			Pneumatic - pneumatic PC	2411.53.33.18.*			
			Microsolenoid - microsolenoid CC	2411.53.31.35.*			
			Microsolenoid - microsolenoid OC	2411.53.32.35.*			
			Microsolenoid - microsolenoid PC	2411.53.33.35.*			
Tube Ø 6 LINE	5/2		Pneumatic - differential	2416.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2416.52.00.17			
			Pneumatic - pneumatic	2416.52.00.18	1,5-10 bar		
			Pneumatic - spring	2416.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2416.52.00.24	1,5-10 bar		
			Microsolenoid external - differential	2416.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2416.52.00.27.*			
			Microsolenoid external - spring	2416.52.00.29.*			
			Microsolenoid - microsolenoid	2416.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2416.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2416.52.00.37.*			
			Microsolenoid - spring	2416.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2416.53.31.18.*	3-10 bar	650Nl/min	
			Pneumatic - pneumatic OC	2416.53.32.18.*			
			Pneumatic - pneumatic PC	2416.53.33.18.*			
			Microsolenoid - microsolenoid CC	2416.53.31.35.*			
			Microsolenoid - microsolenoid OC	2416.53.32.35.*			
			Microsolenoid - microsolenoid PC	2416.53.33.35.*			

* = List of voltages:
01 = micros. 12 V D.C.
02 = micros. 24 V D.C.
05 = micros. 24 V A.C.
07 = micros. 220 V A.C.
11 = micros. 12 V D.C. Downward
12 = micros. 24 V D.C. Downward
15 = micros. 24 V A.C. Downward
17 = micros. 220 V A.C. Downward

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Tube Ø 8 LINE	5/2		Pneumatic - differential	2418.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2418.52.00.17			
			Pneumatic - pneumatic	2418.52.00.18	1,5-10 bar		
			Pneumatic - spring	2418.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2418.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2418.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2418.52.00.27.*			
			Microsolenoid external - spring	2418.52.00.29.*			
			Microsolenoid - microsolenoid	2418.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2418.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2418.52.00.37.*			
			Microsolenoid - spring	2418.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2418.53.31.18.*	3-10 bar	650Nl/min	
			Pneumatic - pneumatic OC	2418.53.32.18.*			
			Pneumatic - pneumatic PC	2418.53.33.18.*			
			Microsolenoid - microsolenoid CC	2418.53.31.35.*			
			Microsolenoid - microsolenoid OC	2418.53.32.35.*			
			Microsolenoid - microsolenoid PC	2418.53.33.35.*			
G 1/8" FLAT	5/2		Pneumatic - differential	2435.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2435.52.00.17			
			Pneumatic - pneumatic	2435.52.00.18	1,5-10 bar		
			Pneumatic - spring	2435.52.00.19	2-10 bar		
			Microsolen. external - Microsolen. external	2435.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2435.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2435.52.00.27.*			
			Microsolenoid external - spring	2435.52.00.29.*			
			Microsolenoid - microsolenoid	2435.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2435.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2435.52.00.37.*			
			Microsolenoid - spring	2435.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2435.53.31.18.*	3-10 bar	650Nl/min	
			Pneumatic - pneumatic OC	2435.53.32.18.*			
			Pneumatic - pneumatic PC	2435.53.33.18.*			
			Microsolenoid - microsolenoide CC	2435.53.31.35.*			
			Microsolenoid - microsolenoide OC	2435.53.32.35.*			
			Microsolenoid - microsolenoide PC	2435.53.33.35.*			
G 1/4" FLAT	5/2		Pneumatic - differential	2431.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2431.52.00.17			
			Pneumatic - pneumatic	2431.52.00.18	1,5-10 bar		
			Pneumatic - spring	2431.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2431.52.00.24.*	1,5-10 bar		

* = List of voltages:
01 = micros. 12 V D.C.
02 = micros. 24 V D.C.
05 = micros. 24 V A.C.
07 = micros. 220 V A.C.
11 = micros. 12 V D.C. Downward
12 = micros. 24 V D.C. Downward
15 = micros. 24 V A.C. Downward
17 = micros. 220 V A.C. Downward

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/4" FLAT	5/3		Microsolenoid external - differential	2431.52.00.26.*	2-10 bar	800Nl/min	mm 7
			Microsolen. external - differential external	2431.52.00.27.*			
			Microsolenoid external - spring	2431.52.00.29.*			
			Microsolenoid - microsolenoid	2431.52.00.35.*	1,5-10 bar		
			Microsolenoid- differential	2431.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2431.52.00.37.*	2-10 bar		
			Microsolenoid - spring	2431.52.00.39.*			
			Pneumatic - pneumatic CC	2431.53.31.18.*	3-10 bar	650Nl/min	
			Pneumatic - pneumatic OC	2431.53.32.18.*			
			Pneumatic - pneumatic PC	2431.53.33.18.*			
			Microsolenoid - microsolenoid CC	2431.53.31.35.*			
			Microsolenoid - microsolenoid OC	2431.53.32.35.*			
			Microsolenoid - microsolenoid PC	2431.53.33.35.*			
Tube Ø 6 FLAT	5/2		Pneumatic - differential	2436.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2436.52.00.17			
			Pneumatic - pneumatic	2436.52.00.18	1,5-10 bar		
			Pneumatic - spring	2436.52.00.19	2-10 bar		
			Microsolen. external - Microsolen. external	2436.52.00.24.*	1,5-10 bar		
			Microsolen. external - differential	2436.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2436.52.00.27.*			
			Microsolenoid external - spring	2436.52.00.29.*			
			Microsolenoid - microsolenoid	2436.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2436.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2436.52.00.37.*			
			Microsolenoid - spring	2436.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2436.53.31.18.*	3-10 bar	650Nl/min	
			Pneumatic - pneumatic OC	2436.53.32.18.*			
			Pneumatic - pneumatic PC	2436.53.33.18.*			
			Microsolenoid - microsolenoid CC	2436.53.31.35.*			
			Microsolenoid - microsolenoid OC	2436.53.32.35.*			
			Microsolenoid - microsolenoid PC	2436.53.33.35.*			
Tube Ø 8 FLAT	5/2		Pneumatic - differential	2438.52.00.16	2-10 bar	800Nl/min	mm 7
			Pneumatic - differential external	2438.52.00.17			
			Pneumatic - pneumatic	2438.52.00.18	1,5-10 bar		
			Pneumatic - spring	2438.52.00.19	2-10 bar		
			Microsolen. external - Microsolen. external	2438.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2438.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2438.52.00.27.*			
			Microsolenoid external - spring	2438.52.00.29.*			
			Microsolenoid - microsolenoid	2438.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2438.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2438.52.00.37.*			
			Microsolenoid - spring	2438.52.00.39.*			

2

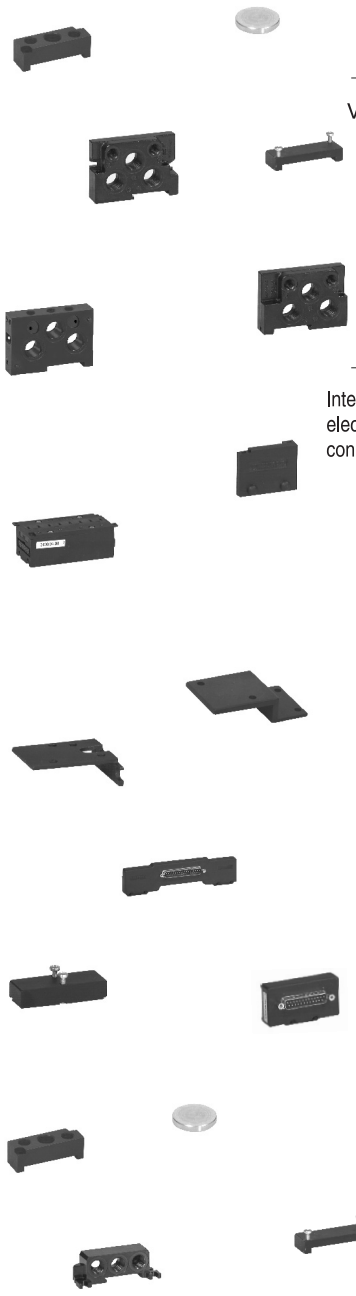
		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
Tube Ø 8 FLAT 	5/3		Pneumatic - pneumatic CC	2438.53.31.18.*	3-10 bar	650Nl/min	mm 7
			Pneumatic - pneumatic OC	2438.53.32.18.*			
			Pneumatic - pneumatic PC	2438.53.33.18.*			
			Microsolenoid - microsolenoid CC	2438.53.31.35.*			
			Microsolenoid - microsolenoid OC	2438.53.32.35.*			
			Microsolenoid - microsolenoid PC	2438.53.33.35.*			
VDMA Electropilot exhaust on pilot   	5/2		Pneumatic - differential	2445.52.00.16	2-10 bar	550Nl/min	mm 5
			Pneumatic - differential external	2445.52.00.17			
			Pneumatic - pneumatic	2445.52.00.18	1,5-10 bar		
			Pneumatic - spring	2445.52.00.19	2-10 bar		
			Microsolen. external - Microsolen. external	2445.52.00.24.*	1,5-10 bar		
			Microsolen. external - differential	2445.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2445.52.00.27.*			
			Microsolenoid external - spring	2445.52.00.29.*			
			Microsolenoid - microsolenoid	2445.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2445.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2445.52.00.37.*			
			Microsolenoid - spring	2445.52.00.39.*			
 	5/3		Pneumatic - pneumatic CC	2445.53.31.18.*	3-10 bar		
			Pneumatic - pneumatic OC	2445.53.32.18.*			
			Pneumatic - pneumatic PC	2445.53.33.18.*			
			Microsolenoid - microsolenoid CC	2445.53.31.35.*			
			Microsolenoid - microsolenoid OC	2445.53.32.35.*			
			Microsolenoid - microsolenoid PC	2445.53.33.35.*			
VDMA Electropilot exhaust on base   	5/2		Microsolenoid - microsolenoid	2441.52.00.35.*	1,5-10 bar	550Nl/min	mm 5
			Microsolenoid - differential	2441.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2441.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2441.53.31.18.*	3-10 bar		
			Pneumatic - pneumatic OC	2441.53.32.18.*			
			Pneumatic - pneumatic PC	2441.53.33.18.*			
			Microsolenoid - microsolenoid CC	2441.53.31.35.*			
			Microsolenoid - microsolenoid OC	2441.53.32.35.*			
			Microsolenoid - microsolenoid PC	2441.53.33.35.*			

* = List of voltages:

01 = micros. 12 V D.C.	**11** = micros. 12 V D.C. Downward
02 = micros. 24 V D.C.	**12** = micros. 24 V D.C. Downward
05 = micros. 24 V A.C.	**15** = micros. 24 V A.C. Downward
06 = micros. 110 V A.C.	**16** = micros. 110 V A.C. Downward
07 = micros. 220 V A.C.	**17** = micros. 220 V A.C. Downward

Accessories   	FLAT	Modular base	2430.01	/	/	/
		Right inlet base	2430.02			
		Left inlet base	2430.03			
		Intermediate air intake	2430.10			

Accessories



	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
FLAT	Closing plate	2430.00			
	Support plate	2430.50			
	Diaphragm plug	2430.17			
VDMA	Modular base	2440.01			
	Modular base for single separate inlet	2440.11			
	Right inlet base	2440.02			
	Left inlet base	2440.03			
	Intermediate air intake	2440.10			
	Closing plate	2440.00			
	Diaphragm plug	2440.17			
Integral electrical connection	4 positions IP40-PNP left module	2400.04.00			
	4 positions IP40-PNP right module	2400.04.01			
	4 pos. IP40-PNP left modul with prot.diode	2400.04.02			
	4 pos. IP40-PNP right modul with prot. diode	2400.04.03			
	4 positions IP65-PNP left module	2400.04.10			
	4 positions IP65-PNP right module	2400.04.11			
	4 pos. IP65-PNP left modul with prot.diode	2400.04.12			
	4 pos. IP65-PNP right modul with prot. diode	2400.04.13			
	2 positions IP40-PNP left module	2400.02.00			
	2 positions IP40-PNP right module	2400.02.01			
	2 pos. IP40-PNP left modul with prot.diode	2400.02.02			
	2 pos. IP40-PNP right modul with prot. diode	2400.02.03			
	2 positions IP65-PNP left module	2400.02.10			
	2 positions IP65-PNP right module	2400.02.11	/	/	/
	2 pos. IP65-PNP left modul with prot.diode	2400.02.12			
	2 pos. IP65-PNP right modul with prot. diode	2400.02.13			
	37 contacts IP 65 connector	2400.37.10			
	25 contacts IP 65 connector	2400.25.10			
	Plug	2400.00			
	Support plate FLAT	2430.50			
	Support plate VDMA	2440.50			
	Closing plate electrical positions	2415.00			
	4 positions box with 25 contact connector	2400.04.25			
	15 mm male connector with 2 metres cable	2400.15.02			
Mobile positioning cable c/w connector — 25 contacts	3 m. - IP40	2400.25.03.00			
	5 m. - IP40	2400.25.05.00			
	10 m. - IP40	2400.25.10.00			
	3 m. - IP65 with protection device	2400.25.03.10			
	5 m. - IP65 with protection device	2400.25.05.10			
	10 m. - IP65 with protection device	2400.25.10.10			
37 contacts	3 m. - IP40	2400.37.03.00			
	5 m. - IP40	2400.37.05.00			
	10 m. - IP40	2400.37.10.00			
	3 m. - IP65 with protection device	2400.37.03.10			
	5 m. - IP65 with protection device	2400.37.05.10			
	10 m. - IP65 with protection device	2400.37.10.10			

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 1/4" LINE	5/2		Pneumatic - differential	2615.52.00.16	2-10 bar	1500Nl/min	mm 9
			Pneumatic - pneumatic external	2615.52.00.17			
			Pneumatic - pneumatic	2615.52.00.18	1,5-10 bar		
			Pneumatic - spring	2615.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2615.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2615.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2615.52.00.27.*			
			Microsolenoid external - spring	2615.52.00.29.*			
			Microsolenoid - microsolenoid	2615.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2615.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2615.52.00.37.*			
			Microsolenoid - spring	2615.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2615.53.31.18.*	3-10 bar	1350Nl/min	
			Pneumatic - pneumatic OC	2615.53.32.18.*			
			Pneumatic - pneumatic PC	2615.53.33.18.*			
			Microsolenoid - microsolenoid CC	2615.53.31.35.*			
			Microsolenoid - microsolenoid OC	2615.53.32.35.*			
			Microsolenoid - microsolenoid PC	2615.53.33.35.*			
G 3/8" LINE	5/2		Pneumatic - differential	2611.52.00.16	2-10 bar	1500Nl/min	mm 9
			Pneumatic - pneumatic external	2611.52.00.17			
			Pneumatic - pneumatic	2611.52.0018	1,5-10 bar		
			Pneumatic - spring	2611.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2611.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2611.52.00.26*	2-10 bar		
			Microsolen. external - differential external	2611.52.00.27.*			
			Microsolenoid external - spring	2611.52.00.29.*			
			Microsolenoid - microsolenoid	2611.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2611.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2611.52.00.37.*			
			Microsolenoid - spring	2611.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2611.53.31.18.*	3-10 bar	1350Nl/min	
			Pneumatic - pneumatic OC	2611.53.32.18.*			
			Pneumatic - pneumatic PC	2611.53.33.18.*			
			Microsolenoid - microsolenoid CC	2611.53.31.35.*			
			Microsolenoid - microsolenoid OC	2611.53.32.35.*			
			Microsolenoid - microsolenoid PC	2611.53.33.35.*			
TUBE Ø 10 LINE	5/2		Pneumatic - differential	2618.52.00.16	2-10 bar	1500Nl/min	mm 9
			Pneumatic - pneumatic external	2618.52.00.17			
			Pneumatic - pneumatic	2618.52.00.18	1,5-10 bar		
			Pneumatic - spring	2618.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2618.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2618.52.00.26.*			

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05 = micros. 24 V A.C.
06 = micros. 110 V.A.C.
07 = micros. 220 V A.C.
11 = micros. 12 V D.C. Downward
12 = micros. 24 V D.C. Downward
15 = micros. 24 V A.C. Downward
16 = micros. 110 V A.C. Downward
17 = micros. 220 V A.C. Downward

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
TUBE Ø 10 LINE	5/2		Microsolen. external - differential external	2618.52.00.27.*	2-10 bar	1500Nl/min	mm 9
			Microsolenoid external - spring	2618.52.00.29.*			
			Microsolenoid - microsolenoid	2618.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2618.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2618.52.00.37.*			
			Microsolenoid - spring	2618.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2618.53.31.18.*	3-10 bar	1350Nl/min	
			Pneumatic - pneumatic OC	2618.53.32.18.*			
			Pneumatic - pneumatic PC	2618.53.33.18.*			
			Microsolenoid - microsolenoid CC	2618.53.31.35.*			
			Microsolenoid - microsolenoid OC	2618.53.32.35.*			
			Microsolenoid - microsolenoid PC	2618.53.33.35.*			
G 1/4" FLAT	5/2		Pneumatic - differential	2635.52.00.16	2-10 bar	1500Nl/min	mm 9
			Pneumatic - pneumatic external	2635.52.00.17			
			Pneumatic - pneumatic	2635.52.00.18	1,5-10 bar		
			Pneumatic - spring	2635.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2635.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2635.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2635.52.00.27.*			
			Microsolenoid external - spring	2635.52.00.29.*			
			Microsolenoid - microsolenoid	2635.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2635.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2635.52.00.37.*			
			Microsolenoid - spring	2635.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2635.53.31.18.*	3-10 bar	1350Nl/min	
			Pneumatic - pneumatic OC	2635.53.32.18.*			
			Pneumatic - pneumatic PC	2635.53.33.18.*			
			Microsolenoid - microsolenoid CC	2635.53.31.35.*			
			Microsolenoid - microsolenoid OC	2635.53.32.35.*			
			Microsolenoid - microsolenoid PC	2635.53.33.35.*			
G 3/8" FLAT	5/2		Pneumatic - differential	2631.52.00.16	2-10 bar	1500Nl/min	mm 9
			Pneumatic - differential external	2631.52.00.17			
			Pneumatic - pneumatic	2631.52.00.18	1,5-10 bar		
			Pneumatic - spring	2631.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2631.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2631.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2631.52.00.27.*			
			Microsolenoid external - spring	2631.52.00.29.*			
			Microsolenoid - microsolenoid	2631.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2631.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2631.52.00.37.*			
			Microsolenoid - spring	2631.52.00.39.*			

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12 = micros. 24 V D.C. Downward
15 = micros. 24 V A.C. Downward
16 = micros. 110 V A.C. Downward
17 = micros. 220 V A.C. Downward

		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
G 3/8" FLAT	5/3		Pneumatic - pneumatic CC	2631.53.31.18.*	3-10 bar	1350Nl/min	mm 9
			Pneumatic - pneumatic OC	2631.53.32.18.*			
			Pneumatic - pneumatic PC	2631.53.33.18.*			
			Microsolenoid - microsolenoid CC	2631.53.31.35.*			
			Microsolenoid - microsolenoid OC	2631.53.32.35.*			
			Microsolenoid - microsolenoid PC	2631.53.33.35.*			
Tube Ø 10 FLAT	5/2		Pneumatic - differential	2638.52.00.16	2-10 bar	1500Nl/min	mm 9
			Pneumatic - pneumatic external	2638.52.00.17			
			Pneumatic - pneumatic	2638.52.00.18	1,5-10 bar		
			Pneumatic - spring	2638.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2638.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2638.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2638.52.00.27.*			
			Microsolenoid external - spring	2638.52.00.29.*			
			Microsolenoid - microsolenoid	2638.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2638.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2638.52.00.37.*			
			Microsolenoid - spring	2638.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2638.53.31.18.*	3-10 bar	1350Nl/min	
			Pneumatic - pneumatic OC	2638.53.32.18.*			
			Pneumatic - pneumatic PC	2638.53.33.18.*			
			Microsolenoid - microsolenoid CC	2638.53.31.35.*			
			Microsolenoid - microsolenoid OC	2638.53.32.35.*			
			Microsolenoid - microsolenoid PC	2638.53.33.35.*			
VDMA Electropilot exhaust on pilot	5/2		Pneumatic - differential	2645.52.00.16	2-10 bar	1100Nl/min	mm 7,5
			Pneumatic - differential external	2645.52.00.17			
			Pneumatic - pneumatic	2645.52.00.18	1,5-10 bar		
			Pneumatic - spring	2645.52.00.19	2-10 bar		
			Microsolen. external - microsolen. external	2645.52.00.24.*	1,5-10 bar		
			Microsolenoid external - differential	2645.52.00.26.*	2-10 bar		
			Microsolen. external - differential external	2645.52.00.27.*			
			Microsolenoid external - spring	2645.52.00.29.*			
			Microsolenoid - microsolenoid	2645.52.00.35.*	1,5-10 bar		
			Microsolenoid - differential	2645.52.00.36.*	2-10 bar		
			Microsolenoid - differential external	2645.52.00.37.*			
			Microsolenoid - spring	2645.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2645.53.31.18.*	3-10 bar	1000Nl/min	
			Pneumatic - pneumatic OC	2645.53.32.18.*			
			Pneumatic - pneumatic PC	2645.53.33.18.*			
			Microsolenoid - microsolenoid CC	2645.53.31.35.*			
			Microsolenoid - microsolenoid OC	2645.53.32.35.*			
			Microsolenoid - microsolenoid PC	2645.53.33.35.*			

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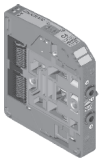
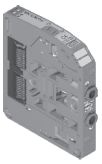
05 = micros. 24 V A.C.
06 = micros. 110 V.A.C.
07 = micros. 220 V A.C.
11 = micros. 12 V D.C. Downward
12 = micros. 24 V D.C. Downward
15 = micros. 24 V A.C. Downward
16 = micros. 110 V A.C. Downward
17 = micros. 220 V A.C. Downward

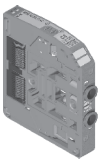
		Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
VDMA Electropilot exhaust on base	5/2		Microsolenoid - microsolenoid	2641.52.00.35.*	1,5-10 bar	1100Nl/min	mm 7,5
			Microsolenoid - differential	2641.52.00.36.*	2-10 bar		
			Microsolenoid - spring	2641.52.00.39.*			
	5/3		Pneumatic - pneumatic CC	2641.53.31.18.*	3-10 bar	1000Nl/min	
			Pneumatic - pneumatic OC	2641.53.32.18.*			
			Pneumatic - pneumatic PC	2641.53.33.18.*			
			Microsolenoid - microsolenoid CC	2641.53.31.35.*			
			Microsolenoid - microsolenoid OC	2641.53.32.35.*			
			Microsolenoid - microsolenoid PC	2641.53.33.35.*			
Accessories Size 26 mm	FLAT		Modular base	2630.01			
			Right inlet base	2630.02			
			Left inlet base	2630.03			
			Intermediate air intake	2630.10			
			Closing plate	2630.00			
			Diaphragm plug	2630.17			
	VDMA		Modular base	2640.01			
			Modular base for single separate inlet	2640.11			
			Right inlet base	2640.02			
			Left inlet base	2640.03			
			Intermediate air intake	2640.10			
			Closing plate	2640.00			
			Diaphragm plug	2640.17			

* = List of voltages:
01 = micros. 12 V D.C. — **11** = micros. 12 V D.C. Downward
02 = micros. 24 V D.C. — **12** = micros. 24 V D.C. Downward
05 = micros. 24 V A.C. — **15** = micros. 24 V A.C. Downward
06 = micros. 110 V A.C. — **16** = micros. 110 V A.C. Downward
07 = micros. 220 V A.C. — **17** = micros. 220 V A.C. Downward

Tube Ø4
Ø6 - Ø8



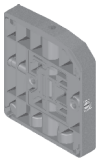


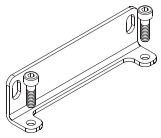


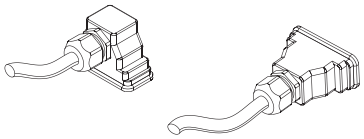
	Symbol	Description	Code	Max. pressure	Flow at 6 bar	Orifice size
5/2		EV 5/2 Solenoid - Spring (A4) Ø4	2304.52.00.39.*	700Nl/min	Druckbereich im Arbeitskreislauf 1 - 11 Von Vacuum bis 10 bar Steuerdruck, Steuerleitungen 12 - 14 2,5 - 7 bar	Tube ø4 Tube ø6 Tube ø8
		EV 5/2 Solenoid - Spring (A6) Ø6	2306.52.00.39.*			
		EV 5/2 Solenoid - Spring (A8) Ø8	2308.52.00.39.*			
		EV 5/2 Solenoid - Differential (B4) Ø4	2304.52.00.36.*			
		EV 5/2 Solenoid - Differential (B6) Ø6	2306.52.00.36.*			
		EV 5/2 Solenoid - Differential (B8) Ø8	2308.52.00.36.*			
		EV 5/2 Solenoid - Solenoid (C4) Ø4	2304.52.00.35.*			
		EV 5/2 Solenoid - Solenoid (C6) Ø6	2306.52.00.35.*			
		EV 5/2 Solenoid - Solenoid (C8) Ø8	2308.52.00.35.*			
5/3		EV 5/3 Solenoid - Solenoid (E4) Ø4	2304.53.31.35.*	550Nl/min		
		EV 5/3 Solenoid - Solenoid (E6) Ø6	2306.53.31.35.*			
		EV 5/3 Solenoid - Solenoid (E8) Ø8	2308.53.31.35.*			
2x3/2		EV 2x3/2 Solenoid - Solenoid (F4)Ø4	2304.62.44.35.*	700Nl/min		
		EV 2x3/2 Solenoid - Solenoid (F6) Ø6	2306.62.44.35.*			
		EV 2x3/2 Solenoid - Solenoid (F8) Ø8	2308.62.44.35.*			
		EV 2x3/2 Solenoid - Solenoid (G4) Ø4	2304.62.55.35.*			
		EV 2x3/2 Solenoid - Solenoid (G6) Ø6	2306.62.55.35.*			
		EV 2x3/2 Solenoid - Solenoid (G8) Ø8	2308.62.55.35.*			
		EV 2x3/2 Solenoid - Solenoid (H4) Ø4	2304.62.45.35.*			
		EV 2x3/2 Solenoid - Solenoid (H6) Ø6	2306.62.45.35.*			
		EV 2x3/2 Solenoid - Solenoid (H8) Ø8	2308.62.45.35.*			
2x2/2		EV 2x2/2 Solenoid - Solenoid (L4) Ø4	2304.42.44.35.*			
		EV 2x2/2 Solenoid - Solenoid (L6) Ø6	2306.42.44.35.*			
		EV 2x2/2 Solenoid - Solenoid (L8) Ø8	2308.42.44.35.*			
		EV 2x2/2 Solenoid - Solenoid (M4) Ø4	2304.42.55.35.*			
		EV 2x2/2 Solenoid - Solenoid (M6) Ø6	2306.42.55.35.*			
		EV 2x2/2 Solenoid - Solenoid (M8) Ø8	2308.42.55.35.*			
		EV 2x2/2 Solenoid - Solenoid (N4) Ø4	2304.42.45.35.*			
		EV 2x2/2 Solenoid - Solenoid (N6) Ø6	2306.42.45.35.*			
		EV 2x2/2 Solenoid - Solenoid (N8) Ø8	2308.42.45.35.*			
5/2		EV 5/2 Solenoid - Spring CEB (P4) Ø4	2314.52.00.39.*			
		EV 5/2 Solenoid - Spring CEB (P6) Ø6	2316.52.00.39.*			
		EV 5/2 Solenoid - Spring CEB (P8) Ø8	2318.52.00.39.*			
		EV 5/2 Solenoid - Differential CEB (R4) Ø4	2314.52.00.36.*			
		EV 5/2 Solenoid - Differentila CEB (R6) Ø6	2316.52.00.36.*			
		EV 5/2 Solenoid - Differential CEB (R8) Ø8	2318.52.00.36.*			

* = List of voltages: **02** = micros. 24 V D.C. (PNP)
12 = micros. 24 V D.C. (NPN)

Accessories

Left Endplates 5 ports		Left Endplates 3 ports		Right Endplates Closed	Intermediate Inlet/Exhaust module	
2311.05P	**2311.05N**	**2311.03P**	**2311.03N**	**2312.00**	**2308.08**	**2308.08**
(PNP) 	*(NPN)*	*(PNP)* 	*(NPN)*		*(Exhaus)* 	*(Inlet)* 

DIN rail adapter	Fixing bracket	Exhaust diaphragm	Exhaust diaphragm	Exhaust diaphragm
2300.16	**2300.50**	**2317.08** (Exhaust)	**2317.12** (Inlet)	**2317.20** (Complete)
				

	Description	Code	Max. pressure	Flow at 6 bar, Δp=1	Orifice size
Cable c/w 25 poles, IP65 connector (with housing) 	3 meters - IP65 - in line	2300.25.03.10	/	/	/
	5 meters - IP65 - in line	2300.25.05.10			
	10 meters - IP65 - in line	2300.25.10.10			
	3 meters - IP65 - 90° angle	2300.25.03.90			
	5 meters - IP65 - 90° angle	2300.25.05.90			
	10 meters - IP65 - 90° angle	2300.25.10.90			

2

AIR SERVICE UNITS

3

Filter

	Size	Description	Wall fixing screws	Max bowl capacity	Flow at 6,3 bar Δp 1	Max. pressure	Max. ambient temp. (at 10 bar)
	1	**17_ 01 _ . _ . _** **P** = Bowl protection **S** = Automatic exhaust **PS** = Bowl prot. and autom.exhaust **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/8" (Connections) **B** = G 1/4" **0** =zinc alloy body **1** = technopolymer body	M4	cm³ 17	670 Nl/min (Δp 0,5 bar)	13 bar	50°C
	2	**17201 _ . _ . _** **S** = Automatic exhaust **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/4" (Connections) **B** = G 3/8"	M5	cm³ 28	1420 Nl/min (Δp 0,5 bar)		
	3	**17301 _ . _ . _** **S** = Automatic exhaust **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 3/8" (Connections) **B** = G 1/2"	M6	cm³ 42	1600 Nl/min (Δp 0,5 bar)		
	3 G 3/4"	**17301E . _ . _** **S** = Automatic exhaust **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ	M6	cm³ 42	2500 Nl/min		
	4	**17401 _ . _ . _** **S** = Automatic exhaust **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **B** = G 1"	M8	cm³ 160	8000 Nl/min (Δp 0,5 bar)		

	Size	Description	Wall fixing screw	Max blow capacity	Flow at 6,3 bar Δp 1	Max. Pressure	Max. ambient temp. (at 10 bar)
Coalescing filter 	1	**17_ 08 _ . _ . _** **P** = Bowl protection **S** = Automatic exhaust **PS** = Bowl prot. and autom. exhaust **E** = 99,97% (Filter efficiency) **A** = G 1/8" (Connections) **B** = G 1/4" **0** = zinc alloy body **1** = technopolymer body	M4	cm³ 17	190 Nl/min (Δp 0,1 bar)	13 bar	50°C
	2	**17208 _ . _ . _** **S** = Automatic exhaust **E** = 99,97% (Filter efficiency) **A** = G 1/4" (Connections) **B** = G 3/8"	M5	cm³ 28	500 Nl/min (Δp 0,1 bar)		
	3	**17308 _ . _ . _** **S** = Automatic exhaust **E** = 99,97% (Filter efficiency) **A** = G 3/8" (Connections) **B** = G 1/2"	M6	cm³ 42	800 Nl/min (Δp 0,1 bar)		
	3 G 3/4"	**17308E . _ . _** **S** = Automatic exhaust **E** = 99,97% (Filter efficiency)	M6	cm³ 42	800 Nl/min (Δp 0,1 bar)		
	4	**17408 _ . _ . _** **S** = Automatic exhaust **E** = 99,97% (Filter efficiency) **B** = G 1" (Connections)	M8	cm³ 160	2500 Nl/min (Δp 0,1 bar)		
Panel mounting pressure regulator 	1	**17109 _ . _ . _** **L** = Without Relieving **SM** = Improved relieving **SR** = Quick exhaust **SRM** = Improved relieving and quick exhaust **SMF** = Improved relieving with controlled relief **A** = 0 - 2 bar (Adjusting range) **B** = 0 - 4 bar **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/8" (Connections) **B** = G 1/4"	/	/	730 Nl/min	13 bar	50 °C
Including manometer 	1	**17129 _ . _** **A** = 0 - 2 bar (Adjusting range) **B** = 0 - 4 bar **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/8" (Connections) **B** = G 1/4"	/	/	730 Nl/min	13 bar	50 °C

	Size	Description	Wall fixing screws	Max bowl capacity	Flow at 6,3 bar Δp 1	Max. pressure	Max. ambient temp. (at 10 bar)
Modular pressure regulator 	1	**17_02 _ . _ . _** **L** = Without Relieving **SM** = Improved relieving **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/8" **B** = G 1/4" (Connections) **0** = Zinc alloy body **1** = Technopolymer body	M4	/	750 Nl/min	13 bar	50°C
	2	**17202 _ . _ . _** **L** = Without Relieving **SM** = Improved relieving **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/4" **B** = G 3/8" (Connections)	M5	/	2250 Nl/min		
	3	**17302 _ . _ . _** **L** = Without Relieving **SM** = Improved relieving **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 3/8" **B** = G 1/2" (Connections)	M6	/	3100 Nl/min		
	3 G 3/4"	**17302E . _ . _** **L** = Without Relieving **SM** = Improved relieving **A** = 0 - 2 bar **B** = 0 - 4 bar (Pressure range) **C** = 0 - 8 bar **D** = 0 - 12 bar	M6	/	3100 Nl/min		
	4	**17402 _ . _** **A** = 0 - 2 bar **B** = 0 - 4 bar (Pressure range) **C** = 0 - 8 bar **D** = 0 - 12 bar **B** = G1"	M8	/	7500 Nl/min (Δp 0,5 bar)		
High sensitive air pressure regulator with high flow rate relieving 	1	**17112B. _** **A** = 0,1 - 2 bar **B** = 0,1 - 4 bar (Pressure range) **C** = 0,1 - 7 bar	/	/	680 Nl/min (Δp 0,3 bar)	10 bar	50°C
	2	**17212A. _** **A** = 0,1 - 2 bar **B** = 0,1 - 4 bar (Pressure range) **C** = 0,1 - 7 bar	/	/	1700 Nl/min (Δp 0,3 bar)		
	3	**17312A. _** **A** = 0,1 - 2 bar **B** = 0,1 - 4 bar (Pressure range) **C** = 0,1 - 7 bar	/	/	3000 Nl/min (Δp 0,3 bar)		

Size	Description	Wall fixing screws	Max oil capacity	Flow at 6,3 bar Δp 1	Max. Pressure	Max. ambient temp. (at 10 bar)
Pressure regulator with manometer included in the band knoh 1 	**17_22 _ . _** **A** = 0 - 2 bar **B** = 0 - 4 bar (Pressure range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/4" **B** = G 3/8" (Connections) **0** = Zinc alloy body Version **1** = Tecnopolymer body Version	M4	/	750 NI/min		
2 	**17222 _ . _** **A** = 0 - 2 bar **B** = 0 - 4 bar (Pressure range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/4" **B** = G 3/8" (Connections)	M5	/	2250 NI/min	13 bar	50°C
3	**17322 _ . _** **A** = 0 - 2 bar **B** = 0 - 4 bar (Pressure range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 3/8" **B** = G1/2" (Connections)	M6	/	3100NI/min		
Manifold pressure regulators 	**170 _ 2 _ . _** **A** = 0 - 2 bar **B** = 0 - 4 bar (Pressure range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = G 1/8" **B** = G 1/4" (Connections) **B** = Standard regulators **M** = Manifold pressure Reg. c/w manometer (Versions)	M4	/	700 NI/min (Δp 0,3 bar)		
	**1 7 B _ 2 _ . _ _ _ _ _ _ _** Versions: **B** = Standard **M** = Manometer included Connections: **A** = G 1/8" **B** = G 1/4" Positions N.: **2** = 2 regulators **3** = 3 regulators **4** = 4 regulators **5** = 5 regulators **6** = 6 regulators Adjustin range ** position 1 Adjustin range ** position 2 Adjustin range ** position 3 Adjustin range ** position 4 Adjustin range ** position 5 Adjustin range ** position 6 ** Adjusting range A = 0 - 2 bar B = 0 - 4 bar C = 0 - 8 bar D = 0 - 12 bar	M4	/	700 NI/min (Δp 0,3 bar)		

3

	Size	Description	Wall fixing screws	Max oil capacity	Flow at 6,3 bar Δp 1	Max. Pressure	Max. ambient temp. (at 10 bar)
Lubricator 	1	**17_03 _ . _** **P** = Bowl protection **A** = G 1/8" (Connections) **B** = G 1/4" **0** = Zinc alloy body **1** = Technopolymer body	M4	cm³ 32	2300 Nl/min	/	50°C
	2	**17203 _ . _** **MA** = Minimum oil level indicated N.O. with plug connector. **MC** = Minimum oil level indicator N.C. with plug connector **A** = G 1/4" **B** = G 3/8" (Connections)	M5	cm³ 50	2280 Nl/min	13 bar	
	3	**17303 _ . _** **MA** = Minimum oil level indicated N.O. with plug connector. **MC** = Minimum oil level indicator N.C. with plug connector **A** = G 3/8" **B** = G 1/2" (Connections)	M6	cm³ 80	5400 Nl/min		
	3 G 3/4"	**17303E . _** **MA** = Minimum oil level indicated N.O. with plug connector. **MC** = Minimum oil level indicator N.C. with plug connector	M6	cm³ 80	5400 Nl/min		
	4	**17403 _ . _** **MA** = Minimum oil level indicated N.O. with plug connector. **MC** = Minimum oil level indicator N.C. with plug connector **B** = G 1" (Connections)	M8	cm³ 300	8000 Nl/min (Δp 0,5 bar)		

Filter pressure regulator

Size	Description	Wall fixing screws	Max bowl capacity	Flow at 6,3 bar Δp 1	Max. pressure	Max. ambient temp. (at 10 bar)
 1	**17_ 04 _ . _ . _ .** **P** = Bowl protection **S** = Automatic exhaust **PS** = Bowl prot. and autom. exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/8" **B** = G 1/4" (Connections) **0** = Zinc alloy body **1** = Technopolymer body	M4	cm³ 17	750 Nl/min	13 bar	50°C
 2	**17204 _ . _ . _ .** **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/4" **B** = G 3/8" (Connections)	M5	cm³ 28	2000 Nl/min		
 3	**17304 _ . _ . _ .** **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 3/8" **B** = G 1/2" (Connections)	M6	cm³ 42	3150 Nl/min		
3 G 3/4"	**17304E . _ . _ .** **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ	M6	cm³ 42	3150 Nl/min		

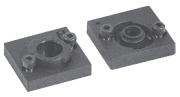
	Size	Description	Wall fixing screws	Flow at 6,3 bar Δp 1	Max. pressure	Max. temp.
Progressive start-up valve 	1	**17110.M2** Progressive start-up valve with electric piloting control, complete with mechanic for M2 microsolenoid valve. **17120** Progress. start-up valve with pneumatic piloting control.	M4	1000 Nl/min	10 bar	50°C
	2	**17210.M2** Progressive start-up valve with electric piloting control, complete with mechanic for M2 microsolenoid valve. **17220** Progres. start-up valve with pneumatic piloting control.	M5	1700 Nl/min		
	3	**17310.M2** Progressive start-up valve with electric piloting control, complete with mechanic for M2 microsolenoid valve. **17320** Progress. start-up valve with pneumatic piloting control.	M6	2500 Nl/min		
	4	**17410.M2** Progressive start-up valve with electric piloting control, complete with mechanic for M2 microsolenoid valve **17420** Progress. start-up valve with pneumatic piloting control.	M8	8000 Nl/min		
Shut-off valve 	1	**17_ 30 . _** **A** = Not lockable handle **B** = Lockable handle **M2** = Electric with M2 **M2/9** = Electric with M2/9 **PN** = Pneumatic **0** = Zinc alloy body **1** = Technopolymer body	M4	1000 Nl/min	13 bar	50°C
	2	**17230. _ . _** **A** = Not lockable handle **B** = Lockable handle **M2** = Electric with M2 **M2/9** = Electric with M2/9 **PN** = Pneumatic	M5	2100 Nl/min		
	3	**17330. _** **A** = Not lockable handle **B** = Lockable handle **M2** = Electric with M2 **M2/9** = Electric with M2/9 **PN** = Pneumatic	M6	2500 Nl/min		
	4	**17430. _** **A** = Not lockable handle **B** = Lockable handle **M2** = Electric with M2 **M2/9** = Electric with M2/9 **PN** = Pneumatic	M8	8000 Nl/min		

	Size	Description	Wall fixing screws	Max bowl capacity	Flow at 6,3 bar Δp 1	Max. pressure	Max. ambient temp. (at 10 bar)
Filter pressure regulator + Lubricator 	1	**17_06 _ . _ . _ . _** **P** = Bowl protection **S** = Automatic exhaust **PS** = Bowl prot. and autom. exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/8" (Connections) **B** = G 1/4" **0** = Zinc alloy body **1** = Technopolymer body	M4	cm³ 17	550 Nl/min	13 bar	50°C
	2	**17206 _ . _ . _ . _** **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/4" (Connections) **B** = G 3/8"	M5	cm³ 28	1200 Nl/min		
	3	**17306 _ . _ . _ . _** **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 3/8" (Connections) **B** = G 1/2"	M6	cm³ 42	2400 Nl/min		
	3 G 3/4"	**17306E . _ . _ . _** **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ	M6	cm³ 42	2400 Nl/min		

Size	Description	Wall fixing screws	Max bowl capacity	Flow at 6,3 bar Δp 1	Max. pressure	Max. ambient temp. (at 10 bar)
Filter+Pressure regulator + Lubricator  1	**17_07** _ . _ . _ . _ **P** = Bowl protection **S** = Automatic exhaust **PS** = Bowl prot. and autom. exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/8" (Connections) **B** = G 1/4" **0** = Zinc alloy body **1** = Technopolymer body	M4	cm³ 17	500 Nl/min	13 bar	50°C
 2	**17207** _ . _ . _ . _ **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 1/4" (Connections) **B** = G 3/8"	M5	cm³ 28	1000 Nl/min		
 3	**17307** _ . _ . _ . _ **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **A** = G 3/8" (Connections) **B** = G 1/2"	M6	cm³ 42	2100 Nl/min		
 3 G 3/4"	**17307E** . _ . _ . _ **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ	M6	cm³ 42	2400 Nl/min		
 4	**17407** _ . _ . _ . _ **S** = Automatic exhaust **A** = 0 - 2 bar **B** = 0 - 4 bar (Adjusting range) **C** = 0 - 8 bar **D** = 0 - 12 bar **A** = 5μ **B** = 20μ (Filter efficiency) **C** = 50μ **B** = G 1"	M8	cm³ 160	7500 Nl/min (Δp0,5 bar)		

	Size	Description	Wall fixing screws	MIcroswitch Capacity	Max. pressure	Max. ambient temp. (at 10 bar)
Pressure switch 	1	**17** _ **14A** = Pressure switch adapter **14B** = Pressure switch **14C** = Pressure switch complete with adapter	2-10 bar	5 A	13 bar	50°C
	2	**17** _ **24A** = Pressure switch adapter **14B** = Pressure switch **24C** = Pressure switch complete with adapter				
	3	**17** _ **34A** = Pressure switch adapter **14B** = Pressure switch **34C** = Pressure switch complete with adapter				
	4	**17** _ **44A** = Pressure switch adapter **14B** = Pressure switch **44C** = Pressure switch complete with adapter				

Air intake 	1	**17140**
	2	**17240**
	3	**17340**
	4	**17440**
Air intake "H" profile 	1	**17140H**
	2	**17240H**
	3	**17340H**
Fixing brackets 	1	**17150**
	2	**17250**
	3	**17350**

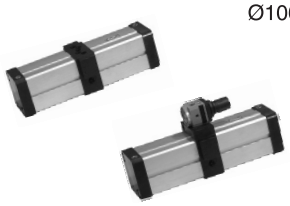
Assembling kits 	1	**170M6** (For manifold regulators) **17160** (Standard) **17165** (for start up valve)
	2	**17260** (Standard) **17265** (for start up valve)
	3	**17360** (Standard) **17365** (for start up valve)
	4	**17460** (Standard) **17465** (for start up valve)
Unidirectional air intake	2	**17240.U**
	3	**17340.U**
Fixing bracket 	1	**170M5**
Flange G 3/4" 	3	**1738** _ **1E** = Inlet flange **2E** = Outlet flange
Pressure gauges 		**17070** _ . _ **A** = Scale 0 - 4 bar **B** = Scale 0 - 6 bar **C** = Scale 0 - 12 bar **A** = Dial Ø40 **B** = Dial Ø50

3

Size	Description	Flow at 6 bar Δp 1	Max. ambient temp. (at 10 bar)
Proportional pressure regulator  1	**171E2B.** _ . _ . ___ . _ Option : **E** = External feed back Pressure range : **0005** = Range 0,05 - 5 bar **0009** = Range 0,05 - 9 bar Versions : **A** = Basic version **B** = Basic version + Display **C** = Basic version + OUT 0-10V (Voltage) **D** = Basic version + Display + OUT 0-10V (Voltage) **E** = Basic version + OUT 4-20mA (Current) **F** = Basic version + Display + OUT 4-20mA (Current) **H** = Basic version + Display + Digital OUT **L** = Basic version + Rs232 card **M** = Basic version + Display + card Rs232 Type : **C** = Current signal (4-20 mA) **T** = Voltage signal (0-10 V)	1100	-5°C ÷ +50°C
 3	**173E2B.** _ . _ . ___ . _ Option : **E** = External feed back Pressure range : **0005** = Range 0,05 - 5 bar **0009** = Range 0,05 - 9 bar Versions : **A** = Basic version **B** = Basic version + Display **C** = Basic version + OUT 0-10V (Voltage) **D** = Basic version + Display + OUT 0-10V (Voltage) **E** = Basic version + OUT 4-20mA (Current) **F** = Basic version + Display + OUT 4-20mA (Current) **H** = Basic version + Display + Digital OUT **L** = Basic version + Rs232 card **M** = Basic version + Display + card Rs232 Type : **C** = Current signal (4-20 mA) **T** = Voltage signal (0-10 V)	4000	

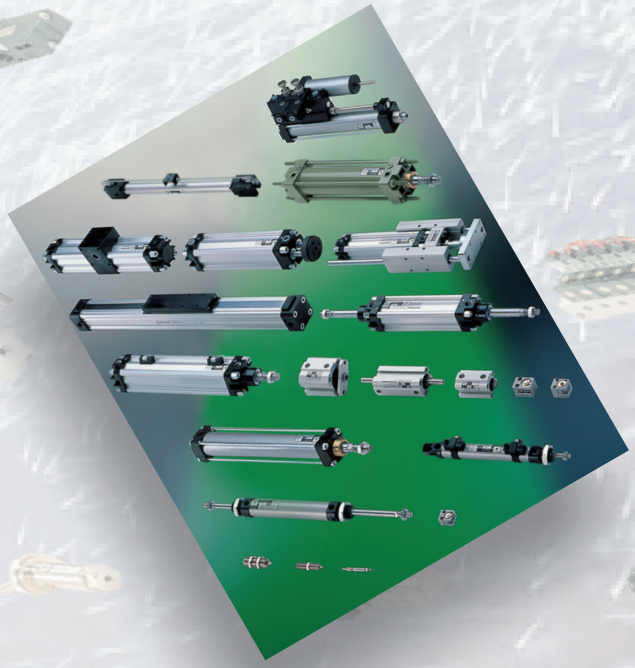
ACCESSORIES
(section 3)

	Description	
Electrical connector 	**5300.F08.** _ . _ **Variants :** 00 = Connector only 03 = Connector + 3 m. cable 05 = Connector + 5 m. cable **Connettore :** 00 = Straight 90 = 90° Angle	**Fixing bracket**  **170M5**

Size	Description	Pressure range	Max. ambient temp. (at 10 bar)
Pressure boosters Ø40 	**1740 . _** **50** = without pressure regulator **50.R** = with pressure regulator	2 - 10 bar	50°C
Ø63 	**1763 . _** **80** = without pressure regulator **80.R** = with pressure regulator	2 - 8 bar	50°C
Ø100 	**17100 . _** **125** = without pressure regulator **125.R** = with pressure regulator	2 - 8 bar	50°C
Base complete with regulator 	**17 _ . BR** **40** = Fixing plate for pressure booster Ø40 **63** = Fixing plate for pressure booster Ø63 **100** = Mount directly the pressure reducer Code 17302B.C	13 bar	50°C
Fixing plate for pressure booster 	**17 _ . 02** **40** = Fixing plate for pressure booster Ø40 **63** = Fixing plate for pressure booster Ø63 **100** = Use short foot bracket code 1320.50.05/1F	/	/

PNEUMAX

CYLINDERS 4



Description

Basic version and push/pull rod





12 _ _ .Ø.stroke. _

- **A** = Adjustable cushions (from Ø 16)
- **M** = Magnetic piston (from Ø 10)
- **X** = Stainless steel rod
- **A.M** = Cushioned with magnetic piston
- **A.M.X** = Cushioned, magnetic piston and stainless steel chromed rod
- **E** = Hexagonal rod (only for 1260, 1262, 1271, 1272)
- **E.M** = Hexagonal rod magnetic (only for 1260, 1271, 1272)
- **E.X** = Hexagonal stainless steel chromed rod (only for 1260, 1271, 1272)
- **L** = Air inlet at 90° version (only for without rear eye version: 1261, 1273, 1274)
- **T** = Seals THERBAN® version

- **60** = Basic version
- **61** = Without rear eye
- **62** = Push/Pull rod version
- **71** = Basic version front spring from Ø 12 (max stroke 40 mm)
- **72** = Basic version rear spring from Ø 12 (max stroke 40 mm)
- **73** = Without rear eye front spring from Ø 12 (max stroke 40 mm)
- **74** = Without rear eye rear spring from Ø 12 (max stroke 40 mm)

Standard strokes

Ø 8 and Ø 10: 15-25-50-75-80-100 mm

Ø 12 and Ø 16: 15-25-50-75-80-100-150-160-200-250-300 mm

Ø 20 and Ø 25: 15-25-50-75-80-100-150-160-200-250-300-320-350-400 mm

Ø 32, Ø 40 and Ø 50: 15-25-50-75-80-150-160-200-250-300-320-350-400-450-500 mm

Magnetic vers. = Ø 10 and Ø 12, 15 mm (for 2 sensors). Other diameters 5 mm.

Piston rod lock



12 60 .Ø.51 _

- **BS** = Piston rod lock assembly (not allowed as safety device)
- **S** = Piston rod lock bracket (not allowed as safety device)
- **B** = Piston rod lock and housing (not allowed as safety device)

Cylinder c/w piston rod lock

12 _ _ .Ø.stroke.B _

(*) see microcyl. codes to order: **1260.Ø. _ _**

NOTE: do not use with stainless steel or hexagonal piston rod

Special performances

Front spring Ø4

Threaded body - front spring

1273.4.10

1213.6.5 = Ø 6 stroke 5 mm threaded body M10x1
1213.6.20 = Ø 6 stroke 6 mm threaded body M10x1
1213.6.20 = Ø 6 stoke 20 mm threaded body M10x1
1213.8.5 = Ø 8 stroke 5 mm threaded body M12x1
1213.10.3 = Ø 10 stroke 3 mm threaded body M15x1,5
1213.10.5 = Ø 10 stroke 5 mm threaded body M15x1,5
1213.10.10 = Ø 10 stroke 10 mm threaded body M15x1,5

Sensor clamps	Linear control unit	Foot	Flanges	Piston rod forks		Nut & Lock for end cups		Rear eye
1260.Ø.F	**1260.Ø.strokeGLB**	**1200.Ø.01**	**1200.Ø.02**	**1200.Ø.04**	**1200.Ø.04/1**	**1200.Ø.05**		**1200.Ø.03**
	 Standard stroke (mm): Ø 20 100-150-200; Ø 25 100-150-200-250			(with pin) 	(with clips) 	 from Ø 8 to Ø 25	 from Ø32 to Ø50	

	Description
Basic version and push/pull rod	

12 _ _ .Ø.stroke. _

- **M** = Basic version, magnetic piston
- **A.M** = Cushioned with magnetic piston (from Ø 16)
- **T** = Seals THERBAN® version

- **80** = Basic version, magnetic piston
- **81** = Without rear eye, magnetic piston
- **82** = Push/Pull rod version, magnetic piston
- **91** = Basic version front spring, magnetic piston (max stroke 50 mm)
- **92** = Basic version rear spring, magnetic piston from Ø 16 (max stroke 50 mm)
- **93** = Without rear eye front spring, magnetic spring (max stroke 50 mm)
- **94** = Without rear eye rear spring from Ø 16, magnetic spring (max stroke 50 mm)

Standard strokes

Ø 8 and Ø 10: 15-25-50-75-80-100 mm

Ø 12 and Ø 16: 15-25-50-75-80-100-150-160-200-250-300 mm

Ø 20 and Ø 25: 15-25-50-75-80-100-150-160-200-250-300-320-350-400 mm

Ø 32: 15-25-50-75-80-150-160-200-250-300-320-350-400-450 -500 mm

Piston rod lock

1260 .Ø.51 _

- **BS** = Piston rod lock assembly (not allowed as safety device)
- **S** = Piston rod lock bracket (not allowed as safety device)
- **B** = Piston rod lock and housing (not allowed as safety device)

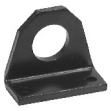
Cylinder c/w piston rod lock

12 _ _ .Ø.stroke.B _

(*) see microcyl. codes to order: **1280.Ø. _ _**

NOTE: do not use with stainless steel but only chromed stainless steel piston rod

4

Sensor clamps		Linear control unit	Foot	Flanges
1280.Ø.FS	**1280.Ø.F**	**1260.Ø.stroke.GLB**	**1200.Ø.01**	**1200.Ø.02**
For miniaturized sensors series 1580 (from Ø8 to Ø32)	For standard sensors series 1500 (from Ø16 to Ø32)	 Standard strokes (mm): Ø 20: 100-150-200; Ø 25: 100-150-200-250		
				

Piston rod forks		Nut for end cups	Lock nut for end cup	Rear eye
1200.Ø.04	**1200.Ø.04/1**	**1200.Ø.05**		**1200.Ø.03**
(with pin)	(with clips)			
		 from Ø 8 to Ø 25	 Ø 32	

	Description
Magnetic basic version and push/pull rod magnetic version	**128 _ .Ø.stroke. _** **MX** = Inox magnetic version, NBR seals and poliur. piston seals **MXV** = Inox magnetic version, VITON® seals **AMX** = Inox magnetic ver. with cushions, NBR seals and poliur. piston seals **AMXV** = Inox magnetic version with cushions, VITON® seals **0** = Basic version **2** = Push/pull rod magnetic version **Standard strokes** **Ø 16:** 15-25-50-75-80-100-150-160-200-250-300 mm **Ø 20 and Ø 25:** 15-25-50-75-80-100-150-160-200-250-300-320-350-400 mm **Ø 32:** 15-25-50-75-80-100-150-160-200-250-300-320-350-400-450-500 mm

Foot	Flange	Rear eye	Piston rod fork
1200.Ø.01X	**1200.Ø.02X**	**1200.Ø.03X**	**1200.Ø.04X**
(stainless steel AISI 304)	(stainless steel AISI 304)	(stainless steel AISI 304)	(stainless steel AISI 304)
			

Nut for end cups	Lock nut for end cup	Sensor clamps	
1200.Ø.05X		**1280.Ø.FSX**	**1280.Ø.FX**
		For miniaturized sensors series 1580	For standard sensors series 1500
from Ø 16 to Ø 25	Ø 32		

Basic version and push/pull rod

Description

12 _ _ .Ø.stroke. _

- **M** = Magnetic basic version

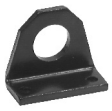
- **30** = Basic version, magnetic basic version
- **31** = Without rear eye, magnetic basic version
- **32** = Push/Pull rod version, magnetic basic version

Standard strokes

Ø 12 : 15-25-50-75-80-100-125-150-160-200 mm

Ø 16 : 15-25-50-75-80-100-125-150-160-200-250 mm

Ø 20 and Ø 25 : 15-25-50-75-80-100-125-150-160-200-250-300 mm

Foot	Flanges	Rear eye	Nut for end cups	Piston rod forks	
1200.Ø.01	**1200.Ø.02**	**1200.Ø.03**	**1200.Ø.05**	**1200.Ø.04**	**1200.Ø.04/1**
				(with pin)	(with clips)
					

Foot	Flange	Rear eye	Piston rod fork	Nut for end cups	Sensor clamps
1200.Ø.01X	**1200.Ø.02X**	**1200.Ø.03X**	**1200.Ø.04X**	**1200.Ø.05X**	**1260.Ø.F**
(stainless steel AISI 304)	(stainless steel AISI 304)	(stainless steel AISI 304)	(stainless steel AISI 304)	(stainless steel AISI 304)	
					

4

Description

Basic version and push/pull Non-magnetic Version

double acting

130 _ .Ø.stroke. _ _ (Steel barrel)
- **01** = basic version
- **02** = push/pull

- **3** = CNOMO
- **4** = CETOP
- **5** = ISO

130 _ .Ø.stroke. _ _ _
- **A** = aluminium barrel
- **C** = chromed barrel
- **D** = brass barrel

- **01** = basic version
- **02** = push/pull

- **3** = CNOMO
- **4** = CETOP
- **5** = ISO

Simple acting

Among the various specifications there are also standard stroke cylinders, with strokes not superior to 50 mm. The ordering code is obtained by adding the letters **MA** for the front spring and **MP** for the rear spring.
For example: **1303.32.50.01MA**
1303.40.25.01MP

Tandem Non-magnetic Version

130 _ .Ø.stroke. _
- **G** = steel barrel (push with a common rod)
- **H** = aluminium barrel (push with a common rod)
- **L** = chromed barrel (push with a common rod)
- **M** = brass barrel (push with a common rod)

- **3** = CNOMO
- **4** = CETOP
- **5** = ISO

130 _ .Ø.stroke.stroke1. _
- **F** = steel barrel (tandem push with independent rods)
- **N** = aluminium barrel (tandem push with independent rods)
- **P** = chromed barrel (tandem push with independent rods)
- **Q** = brass barrel (tandem push with independent rods)
- **D** = steel barrel (opposed tandem with common rods)
- **R** = aluminium barrel (opposed tandem with common rods)
- **S** = chromed barrel (opposed tandem with common rods)
- **T** = brass barrel (opposed tandem with common rods)
- **E** = steel barrel (tandem with opposed rods)
- **U** = aluminium barrel (tandem with opposed rods)
- **V** = chromed barrel (tandem with opposed rods)
- **Z** = brass barrel (tandem with opposed rods)

- **3** = CNOMO
- **4** = CETOP
- **5** = ISO

Description

Basic version and push/pull Magnetic Version

double acting

130 _ .Ø.stroke. _ _ (Brass barrel)

- **01** = Basic version
- **02** = Push/Pull

- **6** = CNOMO
- **7** = CETOP
- **8** = ISO

Simple acting

130 _ .Ø.stroke. _ _

- **A** = aluminium barrel

- **01** = basic version
- **02** = push/pull

- **6** = CNOMO
- **7** = CETOP
- **8** = ISO

Tandem Magnetic Version

130 _ .Ø.stroke. _

- **M** = brass barrel (push with a common rod)
- **H** = aluminium barrel (push with a common rod)

- **6** = CNOMO
- **7** = CETOP
- **8** = ISO

130 _ .Ø.stroke.stroke1. _

- **Q** = brass barrel (tandem push with independent rods)
- **N** = aluminium barrel (tandem push with independent rods)
- **T** = brass barrel (opposed tandem with common rods)
- **R** = aluminium barrel (opposed tandem with common rods)
- **Z** = brass barrel (tandem with opposed rods)
- **U** = aluminium barrel (tandem with opposed rods)

- **6** = CNOMO
- **7** = CETOP
- **8** = ISO

Bore: Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 - Ø125 - Ø160 - Ø200
(Ø250 for 1305 and 1308 Series)

Standard strokes

from 0 to 150 every 25 mm; from 150 to 500 every 50 mm; from 500 to 1000 every 100 mm.

NOTE: to order cylinder with stainless steel chromed rods add " X" to the cylinder code.
NOTE: to order cylinder with VITON® seals add " V" to the cylinder code.

Front flange		Rear flange		Standard feet		Short feet
CNOMO	CETOP-ISO	CNOMO	CETOP-ISO	CNOMO	CETOP-ISO	CNOMO-CETOP-ISO
1303.Ø.03F	**1304.Ø.03F**	**1303.Ø.04F**	**1304.Ø.04F**	**1303.Ø.05F**	**1304.Ø.05F**	**1303.Ø.05/1F**
						

Large internal and external feet		Front clevis		Rear clevis complete with pin	
CNOMO	CNOMO	CNOMO	CETOP-ISO	CNOMO	CETOP-ISO
1303.Ø.06F	**1303.Ø.07F**	**1303.Ø.08F**	**1304.Ø.08F**	**1303.Ø.09F**	**1304.Ø.09F**
					

Rear male clevis	Rear clevis bracket	Trunnion with support bracket	Intermediate trunnion
CETOP-ISO	CNOMO	CNOMO	
1304.Ø.09/1F	**1303.Ø.10F**	**1303.Ø.11F**	**1300.Ø.12F**
			

Fork with pin			Male fork	Fork with clips		
CNOMO	CETOP	ISO	CNOMO	CNOMO	CETOP	ISO
1300.Ø.13F	**1301.Ø.13F**	**1302.Ø.13F**	**1300.Ø.14F**	**1300.Ø.13/1F**	**1301.Ø.13/1F**	**1302.Ø.13/1F**
						

Rod lock nut		
CNOMO	CETOP	ISO
1300.Ø.18F	**1301.Ø.18F**	**1302.Ø.18F**
		

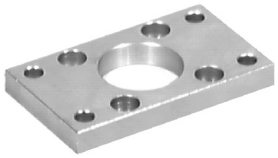
Sensor brackets

1306.A (from Ø 32 to Ø 63) **1306.B** (from Ø 80 to Ø 125) **1306.C** (from Ø 160 to Ø 200) **1306.D** (only for ISO Ø 250)

	Description
Basic version and Push/Pull version **Aluminium barrel** 	**130 _ .250.corsa.01A** **5** = non magnetic **8** = magnetic NOTE: for version with VITON® sesl, add "V" at the end of the base code.

Standard stroke

da 0 a 150 ogni 25 mm; da 150 a 500 ogni 50 mm; da 500 a 1000 ogni 100 mm.

Front flange	Rear flange	Rear clevis complete with pin	Rear male clevis
1305.250.03F	**1305.250.04F**	**1305.250.09F**	**1305.250.09/1F**
			

Intermediate trunnion	Forck with pin	Rod lock nut
1305.250.12F	**1302.250.13F**	**1302.250.18F**
		

4

		Description
Basic version and push/pull 	**Double acting**	**13_ _ .Ø.stroke. _ _ _** **V** = Non magnetic VITON® seal **01** = Basic version **02** = Push/Pull **19** = Magnetic chromed rod **20** = Magnetic stainless steel chromed rod **21** = Non magnetic chromed rod
	**Single acting**	**13 _ _ .Ø.stroke. 01._ _ _** **V** = Non magnetic VITON® seal **MA** = Front spring (stroke max 50 mm) **MP** = Rear spring (stroke max 50 mm) **19** = Magnetic chromed rod **20** = Magnetic stainless steel chromed rod **21** = Non magnetic chromed rod

Bore: Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 - Ø125 - Ø160 - Ø200

Standard strokes

from 0 to 150 every 25 mm; from 150 to 500 every 50 mm; from 500 to 1000 every 100 mm.

Tandem version    	**130 _ .Ø.stroke. _** **G** = push with a common rod **F** = tandem push with independent rods **19** = Magnetic chromed rod **20** = Magnetic stainless steel chromed rod **21** = Non magnetic chromed rod **130 _ .Ø.stroke.stroke1. _** **D** = opposed tandem with common rods **E** = tandem with opposed rods **19** = Magnetic chromed rod **20** = Magnetic stainless steel chromed rod **21** = Non magnetic chromed rod

	Description
Non rotating version  	**13_ _ .Ø.stroke. _ _** **01** = Basic version **02** = Push/Pull **48** = Magnetic chromed rod **49** = Magnetic stainless steel chromed rod **50** = Non magnetic chromed rod **Bore:** Ø32 - Ø40 - Ø50 - Ø63 **Standard strokes** **Ø 32:** 25-50-75-80-100-125-150 mm **Ø 40:** 25-50-75-80-100-125-150-160 mm **Ø 50:** 25-50-75-80-100-125-150-160-200-250 mm **Ø 63:** 25-50-75-80-100-125-150-160-200-300-320 mm

4

Basic version

Description

13 _ _ .Ø.stroke. _ _

- **01** = Basic version
- **01 x** = Basic version chromed stainless steel piston rod
- **02** = Push-pull rod version
- **02 x** = Push-pull rod vers. chromed stainless steel piston rod
- **06** = Twin rod push-pull version
- **06 x** = Twin rod push-pull vers. chromed stainless steel piston rod

- **25** = Magnetic
- **26** = Non-magnetic
- **45** = Magnetic version extended front corer (only for basic version 01 or 01x)
- **47** = Non magnetic version extended front corer (only for basic version 01 or 01x)

Bore: Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100

Standard strokes

Ø 32: 25-50-75-100-150-200 mm

Ø 40: 25-50-75-100-150-200-250 mm

Ø 50: 25-50-75-100-150-200-250-300 mm

Ø 63: 25-50-75-100-125-150-160-200-300-320 mm

Ø80: 25-50-75-100-150-200-250-300-350-400-500 mm

Ø100: 25-50-75-100-150-200-250-300-350-400-500 mm

Accessories

Threaded nipple	Front flange	Front foot mounting bracket (short)
1325.Ø.17F	**1325.Ø.03F**	**1325.Ø.05/1F**
		

Sensor brackets

1320.A (from Ø 32 to Ø 40)

1320.C (from Ø 80 to Ø 100)

1320.B (from Ø 50 to Ø 63)

1320.D (Ø 125)

Rotary actuators

(series 1330÷1333, catalogue 4, section 3)

13 _ _ .Ø.*. _ _

- **01** = Without rotating adjustment angle
- **01R** = With rotating adjustment angle

- **30** = Female magnetic pinion version
- **31** = Female non magnetic pinion version
- **32** = Male magnetic pinion version
- **33** = Male non magnetic pinion version

***** = Rotating angle: 90 - 180 - 270 - 360

Bore	32	40	50	63	80	100
Torque Nm/bar	0,9	1,7	2,9	5,55	13,2	23,8
Axis load max. kg.	8	10	10	12	18	22
Cushioning angle	60°	60°	50°	50°	40°	40°

Accessories

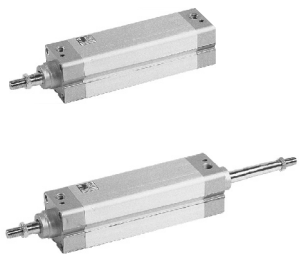
Sensor brackets

1320.A (from Ø 32 to Ø 40)

1320.B (from Ø 50 to Ø 63)

1320.C (from Ø 80 to Ø 100)

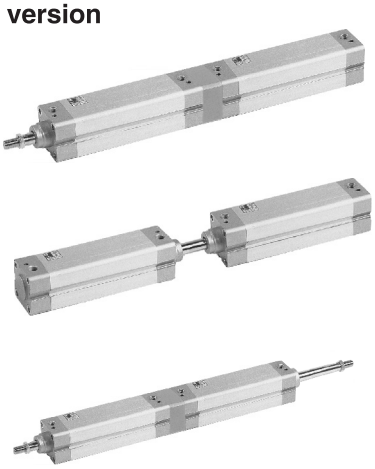
1320.D (Ø 125)

	Description
Basic version and push/pull 	**13_ _. Ø . stroke . _** 01 = Basic version 02 = Push/pull version 80 = Magnetic, chromed rod 81 = Magnetic, chromed stainless steel rod 82 = Non magnetic

Bore: Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100

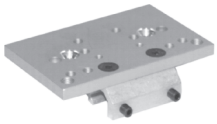
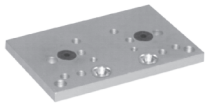
Standard strokes

from 0 to 150 every 25 mm; from 150 to 500 every 50 mm; from 500 to 1000 every 100 mm.

Tandem version 	**13_ _. Ø . stroke .(stroke1) . _** G = Tandem push with common rods F = Tandem push with independent rods D = Opposed tandem with common rod E = Tandem with opposite rods 80 = Magnetic, chromed rod 81 = Magnetic, chromed stainless steel rod 82 = Non magnetic

4

Piston rod lock complete	Piston rod lock bracket	Piston rod lock and housing
1320.Ø.51BS	**1320.Ø.51S**	**1320.Ø.51B**
		
Dot not use as safety device and with stainless steel rod		
Cylinders for piston rod lock: 13_ _ . Ø. stroke . _ _ . B (order the piston rod lock separately)		

Distributor supports		Distributor supports
ties cylinder	shaped pipe series 1319	**1380.15**
1306.15 = ties (Ø32÷Ø100) **1320.15 =** shaped pipe (Ø 32÷Ø40) **1320.16 =** shaped pipe (Ø50÷Ø63) **1320.17 =** shaped pipe (Ø80÷Ø100) **1320.18 =** shaped pipe (Ø125) **1320.19 =** shaped pipe (Ø160) **1320.20 =** shaped pipe (Ø160) 		Clean Profile Cylinder 

Bases for ISO distributor		Front and rear flange (MF1) (MF2)	
1320.21	**1320.22**	**1380.Ø.03F**	**1380.Ø.04F**
ISO 1	ISO 2		
			

Standard feet	Short feet	Front clevis	Rear clevis complete (MP2)	
1320.Ø.05F	**1320.Ø.05/1F**	**1380.Ø.08F**	**1380.Ø.09F**	**1320.Ø.20F**
(aluminium)	(steel)	(aluminium)	(aluminium)	(steel)
				

Rear male clevis (MP4)		Trunnion with support bracket			
1380.Ø.09/1F	**1320.Ø.21F**	**1380.Ø.11F**	**1380.Ø.35F**	**1320.Ø.23F**	**1320.Ø.27F**
(auminium)	(steel)	(aluminium)	(aluminum)	(from Ø32 to Ø100) (steel)	(steel) (from Ø32 to Ø125) (with jointed head according to DIN 648K standards)
					

Rear cleavis - narrow		Rear male clevis		Intermediate trunnion		Support for intermediate trunnion
1380.Ø.30F	**1320.Ø.29F**	**1320.Ø.015F**	**1320.Ø.25F**	**1320.Ø.12F**	**1380.Ø.12F**	**1320.Ø.12/1F**
(aluminum)	(steel) (from Ø32 to Ø125)	(aluminium)	(steel) (from Ø32 to Ø125) (with jointed head according to DIN 648K standards)	(steel)	(steel)	(steel)
						

Fork with pin	Fork with clips (from Ø 32 to Ø 100)	Rod lock nut	Ball joint
1320.Ø.13F	**1320.Ø.13/1F**	**1320.Ø.18F**	**1320.Ø.32F**
			

Self-aligning joint	Standard complete trunnion		
1320.Ø.33F	**1320.Ø.22F**	**1320.Ø.26F**	**1380.Ø.10F**
(from Ø32 to Ø100) 	(steel) 	(from Ø32 to Ø125) (with jointed head according to DIN 648K standards) 	

Sensor brackets					
1320.A	**1320.B**	**1320.C**	**1320.D**	**1320.E**	**1320.F**
from Ø 32 to Ø 40	from Ø 50 to Ø 63	from Ø 80 to Ø 100	Ø 125	Ø 160	Ø 200

Linear control unit

1320.Ø.stroke.GLB

Standard strokes

Ø 32 100-150-200-250-300 mm
Ø 40 100-150-200-250-300-350 mm
Ø 50 100-150-200-250-300-350-400-450 mm
Ø 63 100-150-200-250-300-350-400-450-500 mm

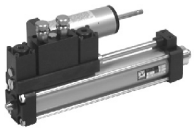
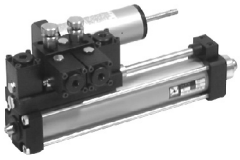
Sensor brackets

Cylinder rear side: standard brackets
Cylinder front side: 1320.AGL cylinder sensor brackets Ø 32 and 40
1320.BGL cylinder sensor brackets Ø 50 and 63

Sensor adaptor

1380.Ø.1F

4

	Description		Description
	Extraction regulation-tank in line **1400.stroke.01.1**		Compression control with stop **1400.stroke.02.05**
	Extraction regulation - lateral tank **1400.stroke.01.2**		Extraction control with skip and stop **1400.stroke.02.06**
	Compression regulation **1400.stroke.02.2**		Double regulation with skip **1400.stroke.03.04**
	Double regulation **1400.stroke.03.2**		Double regulation with stop **1400.stroke.03.05**
	Extraction control with skip **1400.stroke.01.04**		Double regulation with skip and stop **1400.stroke.03.06**
	Extraction control with stop **1400.stroke.01.05**		Hydraulic fluid refil syringe **1400.99.01**
	Extraction control with skip and stop **1400.stroke.01.06**	Hydraulic and pneumatic	**PNEUMOIL 01** (1 lt cans) Oil for circuit
	Compression control with skip **1400.stroke.02.04**		

Attention:

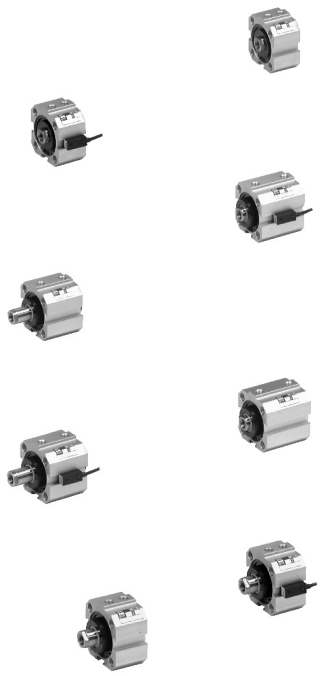
Extraction control: it happens when the pneumatic cylinder (connected to speed control) is moving out speed control piston rod

Compression control: it happens when the pneumatic cylinder (connected to speed control) is moving in speed control piston rod

Standard strokes

50-100-150-200-250-300-350-400-450-500 mm

minimum stroke for type 1400.stroke.03.05. and 1400.stroke.03.06,150 mm

	Description
Basic version 	**15_ _ .Ø.stroke.** **01** = Double acting version **11** = Double acting version with magnetic piston **02** = Single acting version front spring **12** = Single acting version front spring with magnetic piston **03** = Single acting version rear spring **13** = Single acting version rear spring with magnetic piston **04** = Double acting push pull version **14** = Double acting push pull version with magnetic piston **Standard strokes:** **Type 1501, 1504, 1511, 1514, 1515, 1516, 1517 e 1518:** for all bores from 5 to 50mm. every 5 mm. **Type1502, 1503, 1512 and 1513:** for all bores from 5 to 10 mm. **Type with non-rotating device:** **Ø 20 and Ø 25** from 5 to 40 mm every 5 mm **Ø 32 and Ø 40** from 5 to 50 mm every 5 mm **Ø 50 and Ø 63** from 5 to 60 mm every 5 mm **Ø 80 and Ø 100** from 5 to 80 mm every 5 mm
Tandem version 	**Tandem with opposed rods**	**1515.Ø.stroke 1.stroke 2** **1515.Ø.stroke 1.stroke 2.M** (magnetic)
	**Tandem push with common rods**	**1516.Ø.stroke** **1516.Ø.stroke.M** (magnetic)
	**Tandem push with independent rods**	**1517.Ø.stroke 1.stroke 2** **1517.Ø.stroke 1.stroke 2.M** (magnetic)
	**Opposed tandem with common rods**	**1518.Ø.stroke 1.stroke 2** **1518.Ø.stroke 1.stroke 2.M** (magnetic)
	**Anti rotating double acting version**	**1501.Ø.stroke.AR**
	**Anti rotating double acting version magnetic**	**1511.Ø.stroke.AR**

Rear female clevis		Raer male clevis		Slot fixing screws	Nipple with ISO standard thread
1500.Ø.09F	**1320.Ø.09F**	**1500.Ø.09/1F**	**1320.Ø.09/1F**		**1500.Ø.17F**
from Ø 20 to Ø 25	from Ø 32 to Ø 100	from Ø 20 to Ø 25	from Ø 32 to Ø 100	 **1500.15F =** from Ø32 **1500.16F =** from Ø40 to Ø63 **1500.18F =** from Ø80 to Ø100	
					

1502.Ø.stroke

1502.8.4 (Ø 8, stroke 4 mm)
1502.12.4 (Ø 12 stroke 4 mm)
1502.12.10 (Ø12, stroke10 mm)
1502.16.4 (Ø 16, stroke 4 mm)
1502.16.8 (Ø 16, stroke 8 mm)

Bore: Ø20-25-32-40-50-63-80-100 mm

Standard strokes

Ø20 and Ø25	from 5 to 40 mm every 5 mm
Ø32 and Ø40	from 5 to 50 mm every 5 mm
Ø50 and Ø63	from 5 to 60 mm every 5 mm
Ø80 and Ø100	from 5 to 80 mm every 5 mm.

Short stroke compact cylinders "EUROPE"
(series 1500, section 4)

	Description
Basic and push/ pull version	

15 _ _ .Ø.stroke. _ _ . _

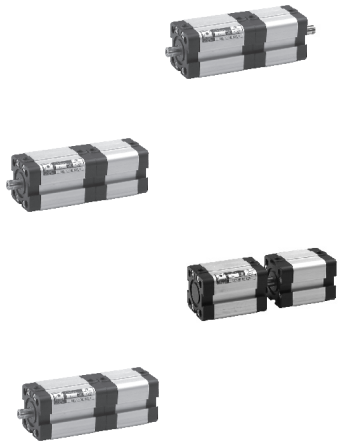
- **1** = Double acting
- **2** = Front spring
- **3** = Rear spring

- **01** = Basic version
- **02** = Basic version male piston rod
- **03** = Push/pull version
- **04** = Push/pull version - male thread piston rod
- **05** = Push/pull version - bored male thread piston rod
- **06** = Push pull version - bored female thread piston rod
- **07** = Non rotating version
- **08** = Push-pull version with non rotating device on one side - female piston rod
- **09** = Push-pull version with non rotating device on one side - male piston rod

- **1** = C43 chromed piston rod
- **2** = Stainless steel piston rod

- **6** = ISO
- **7** = ISO therban
- **8** = UNITOP
- **9** = UNITOP therban

Tandem version



Description

15 _ _ .Ø.stroke.(stroke1) . _

- **A** = Tandem with opposed piston rods
- **B** = Tandem push with independent piston rods
- **C** = Tandem push with common piston rods
- **D** = Opposed tandem with common piston rods
- **E** = Tandem with opposed male thread piston rods
- **F** = Tandem push with indep. male thread piston rods
- **G** = Tandem push with common male thread piston rods
- **H** = Tandem push with common rods, push-pull version rod female threads
- **L** = Tandem opposite rods with non rotating device on both sides
- **M** = Tandem push with independent rods with non rotating device
- **N** = Tandem push with common rods with non rotating device

- **6** = ISO
- **7** = ISO therban
- **8** = UNITOP
- **9** = UNITOP therban

- **1** = C43 chromed piston rod
- **2** = Stainless steel piston rod

Standard stroke for single acting

Ø 12	10mm
Ø 16 al Ø 100	25 mm max.

Max suggested strokes

Ø 12 e Ø 16	100 mm
Ø 20 e Ø 25	200 mm
Ø 32 e Ø 40	300 mm
Ø 50 e Ø 63	400 mm
Ø 80 e Ø 100	500 mm

Longer strokes may be utilized if there is no radial loads on piston rod considering there isn't adjustable cushioning system.

Standard strokes for double acting

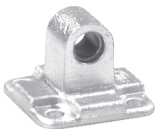
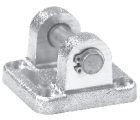
Ø12 and Ø16	from5 to 40mm every 5mm
Ø20 and Ø25	from 5 to 50mm every 5mm
Ø32 ÷ Ø100	from 5 to 80mm every5mm

Max. suggested strokes with antirotating device

from Ø12 to Ø25	40mm
from Ø32 to Ø100	80mm

Front and rear flange			Foot	
ISO	UNITOP		ISO	UNITOP
1320.Ø.03F	**1580.Ø.03F**	**1580.Ø.03/1F**	**1320.Ø.05/1F**	**1580.Ø.05/1F**
(from Ø 32 to Ø 100 - steel)	(steel)	(aluminium)	(from Ø 32 to Ø 100 - steel)	(steel)
				

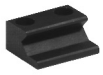
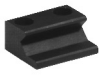
Slot fixing screws	Centering rings	Front female clevis (from Ø 32 to Ø 100)	
		ISO	UNITOP
	1580.Ø.02F	**1320.Ø.08F**	**1580.Ø.11F** **1580.Ø.13F**
 **1500.15F =** from Ø32 **1500.16F =** from Ø40 to Ø63 **1500.18F =** from Ø80 to Ø100	(da Ø 32 a Ø 100) 		

Rear male clevis		Rear female clevis			Sensors adapter
UNITOP		ISO	UNITOP	UNITOP	
1580.Ø.09/1F	**1580.Ø.09/2F**	**1320.Ø.09F**	**1580.Ø.10F**	**1580.Ø.12F**	**1580.01F**
(from Ø 12 to Ø 25)	(from Ø 20 to Ø 25)	(from Ø 32 to Ø 100)	(aluminium)	(steel)	
					

4

	Description
Rodless cylinder version 	**1605 .Ø.stroke. _ _ . _ _** **01.M** = Basic version **02.M** = Single feed cylinder left head **03.M** = Single feed cylinder right head **01.MG** = Cylinder with linear control unit (for Ø 25, Ø 32, Ø 40 and max stroke m. 3) **01.MH** = Cylinder with sliding shoes guide (for Ø 25, Ø 32, Ø 40) **1600 .Ø.05F** = Complete sliding shoes guide **Max strokes m. 6**

Accessories

Sensor brackets	Mounting foot brackets	Intermediate support	Oscillating hinge
1600.A	**1600.Ø.01F**	**1600.Ø.02F**	**1600.Ø.03F**
	from Ø 25 to Ø 32  from Ø 40 to Ø 63 	from Ø 25 to Ø 32  from Ø 40 to Ø 63 	from Ø 25 to Ø 40  from Ø 50 to Ø 63 

Cable cylinders
(series 1600, section 4)

Cable cylinders version 	**1601.Ø.stroke** **1601.Ø.stroke.M (magnetic)** Bore: Ø 16 and Ø 25

	To be used on	Description	Ordering code	
Sensors with connector (REED type) 	**cylinders and microcylinders**	2 m. cable (contact REED)	**1500.A.C.**	magnetic sensor with LED A.C. - N.O. - 2 m. cable
			1500.D.C.	magnetic sensor with LED D.C. - N.O. - 2 m. cable
			1500.U	magnetic sensor with LED universal - N.O. - 2 m. cable
			1500.U/1	magnetic sensor without LED universal - N.O. - 2 m. cable
		connector	**RS.UA**	magnetic sensor with LED universal N.O.
			RS.UANO	magnetic sensor with LED universal N.O., according to standard IEC 947
			RS.UA/1	magnetic sensor without LED universal N.O.
			RS.UA/1L	magnetic sensor with led N.O., for series assembly (3 wires)
			RS.UC	magnetic sensor with LED universal N.C.
			RS.DC	magnetic sensor for continuous current with led N.O.
			RS.DCNO	magnetic sensor for continuous current with led N.O., according to standard IEC 947
		connector	**RS.UAC1**	magnetic sensor with led N.O. with connector and 2,5 m. cable
			RS.UAC1/1	magnetic sensor without led N.O. with connector and 2,5 m. cable, (REED ampulla only)
			RS.UACH1/1L**	magnetic sensor with led N.O. with connector and 2,5 m. cable, for series mounting (3 wires)
			RS.UCC1	magnetic sensor with led N.C. with connector and 2,5 m. cable
		connector	**C1**	connector with 2,5 m. cable connector
			C2	connector with 5 m. cable connector
			C3	connector with 10 m. cable connector
	**rodless cylinders**	2 m. cable (contact REED)	**1600.A.C.**	magnetic sensor with LED AC - N.O. - 2 m. Cable
			1600.D.C.	magnetic sensor with LED DC - N.O. - 2 m. cable
			1600.U	magnetic sensor universal with LED universal - N.O. - 2 m. cable
			1600.U/1	magnetic sensor without LED universal - N.O. - 2 m. Cable
		connector	**SRS.UA**	magnetic sensor with LED universal N.O.
			SRS.UA/1	magnetic sensor without LED universal N.O.
			SRS.UA/1L	magnetic sensor with LED universal N.O., for series assembly (3 wires)
			SRS.UC	magnetic sensor with LED universal N.C.
			SRS.DC	magnetic sensor for continuous current with LED N.O.
		connector	**SRS.UAC1**	magnetic sensor with LED universal N.O. - 2,5 m. cable connector
			SRS.UAC1/1	magnetic sensor without LED universal N.O. - 2,5 m. cable connector
			SRS.UACH1/1L**	magnetic sensor with led universal N.O. with connector, 2,5 m. cable, for series assembly (3 wires)
			SRS.UCC1	magnetic sensor with LED universal N.C., 2,5 m. cable connector
			SRS.DCC1	sensor for continuous current with LED N.O., with connector and 2,5 m. cable
		connector	**C1**	connector with 2,5 m. cable connector
			C2	connector with 5 m. cable connector
			C3	connector with 10 m. cable connector
			C1NO	connector with 2,5 m. cable, according to standard IEC 947
			C2NO	connector with 5 m. cable, according to standard IEC 947
			C3NO	connector with 10 m. cable, according to standard IEC 947
 	**"EUROPE" compact cylinders** **microcylinders**	contact REED	**1580.U**	magnetic sensor with LED N.O. - 2,5 m. cable
			1580.UAP	magnetic sensor with LED N.O. - 2,5 m. Cable (3 wires)
			MRS.U	mag. sensor with LED N.O. M8 connector (300mm cable)
			MRS.UAP	mag. sensor with LED N.O. M8 connector (300mm cable) (3 wires)
		connector	**MC1**	M8 in line connector with 2,5 m. cable (2 wires)
			MC2	M8 in line connector with 5 m. cable (2 wires)
			MCH1	M8 in line connector with 2,5 m. cable (3 wires)
			MCH2	M8 in line connector with 5 m. cable (3 wires)

	To be used on	Description	Ordering code	
Sensor HALL effect 	**cylinders and microcylinders**	cable mt. 3	**1500.HAP**	magnetic sensor with LED Hall effect PNP - N.O. - 3m. cable
			1500.HAN	magnetic sensor with LED Hall effect NPN - N.O. - 3m. cable
			1500.HCP	magnetic sensor with LED Hall effect PNP - N.C. - 3m. cable
			1500.HCN	magnetic sensor with LED Hall effect NPN - N.C. - 3m. cable
		connector	**HS.PA**	magnetic sensor with LED Hall effect PNP - N.O.
			HS.NA	magnetic sensor with LED Hall effect NPN - N.O.
			HS.PAC1	mag. sensor with LED Hall effect PNP - NO + 2,5 m. cable con.
			HS.NAC1	mag. sensor with LED Hall effect NPN - NO + 2,5 m. cable con.
			CH1	connector with 2,5 m. cable (3 wires)
			CH2	connector with 2,5 m. cable (3 wires)
	**rodless cylinders**	cable mt. 3	**1600.HAP**	magnetic sensor with LED Hall effect PNP - N.O. - 3m. cable
			1600.HAN	magnetic sensor with LED Hall effect NPN - N.O. - 3m. cable
			1600.HCP	magnetic sensor with LED Hall effect PNP - N.C. - 3m. cable
			1600.HCN	magnetic sensor with LED Hall effect NPN - N.C. - 3m. cable
		connector	**SHS.PA**	magnetic sensor with LED Hall effect PNP - N.O.
			SHS.NA	magnetic sensor with LED Hall effect NPN - N.O.
			SHS.PAC1	mag. sensor with LED Hall effect PNP - N.O. + 2,5 m. cable con.
			SHS.NAC1	mag. sensor with LED Hall effect NPN - N.O. + 2,5 m. cable con.
			CH1	connector with 2,5 m. cable (3 wires)
			CH2	connector with 5 m. cable (3 wires)
 	**"EUROPE" compact cylinders**		**1580.HAP**	magnetic sensor with LED Hall effect PNP - N.O. - 2,5 m. cable
			MHS.P	mag. sensor with LED Hall effect PNP - N.O. M8 conn. (300mm cable)
			MC1	M8 in line connector with 2,5 m. cable (2 wires)
			MC2	M8 in line connector with 5 m. cable (2 wires)
			MCH1	M8 in line connector with 2,5 m. cable (3 wires)
			MCH2	M8 in line connector with 5 m. cable (3 wires)

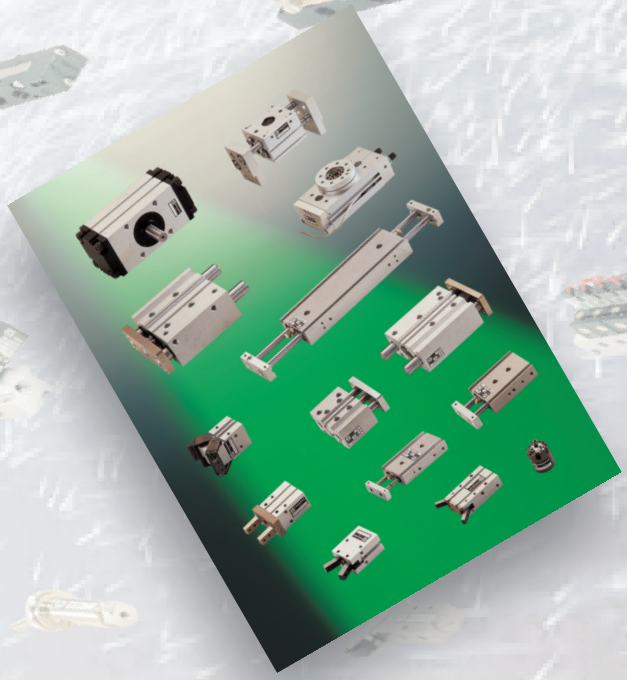
PNEUMAX

PNEUMAX

PNEUMAX

MANIPULATION

5



Ordering code

Self lubricating bronze bushes
Bearing bushes

6100.Ø.stroke.

- **B** = Control unit with Bronze bush
- **C** = Control unit with Bearing bush

- 20
- 25
- 32
- 40
- 50
- 63

Standard stroke

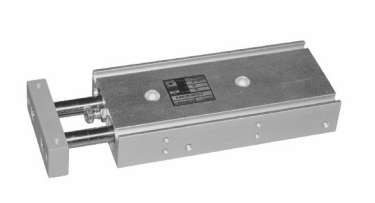
Ø 20 e Ø 25:
20-30-40-50-75-100-125-150-175-200 mm

Ø 32 e Ø 63:
25-50-75-100-125-150-175-200 mm

Pneumatic slide units
(Series 6200-6210, section 5)

Ordering code

Twin rod slide units



6200.Ø.stroke.

- **10**
- **15**
- **20**
- **25**
- **32**

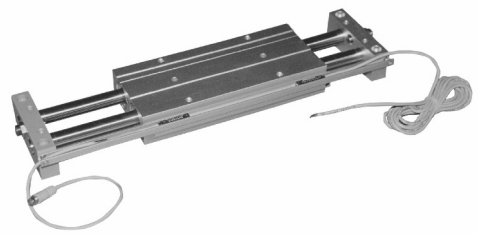
- **B** = Control unit with Bronze bush
- **C** = Control unit with Bearing bush

Standard stroke

Ø 10 :
10-15-20-25-30-35-40-45-50-60-70-75 mm

Ø 15 e Ø 32:
10-15-20-25-30-35-40-45-50-60-70-75-80-90-100 mm

Push/pull twin rod slide units



6210.Ø.stroke.

- **10**
- **15**
- **25**

- **C** = Fixed body
- **P** = Fixed end plates

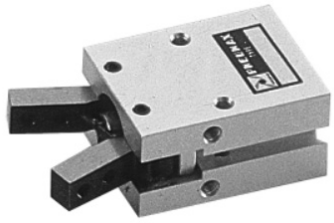
Standard stroke

Ø 10 :
25-50-75-100 mm

Ø 15 e Ø 25:
25-50-75-100-125-150-175-200 mm

Ordering code

Angular grippers
Standard version



6301.Ø.

- **10**
- **16**
- **20**
- **25**

- **D** = Double acting
- **S** = Single acting (N.O.)

Holding force (Nm) at 5 bar

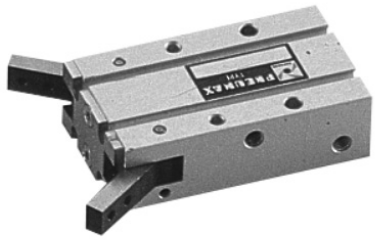
Ø 10 : 0,1 Nm (Holding force = -10÷30°)

Ø 16 : 0,4 Nm (Holding force = -10÷30°)

Ø 20 : 0,7 Nm (Holding force = -10÷30°)

Ø 25 : 1,35 Nm (Holding force = -10÷30°)

Angular grippers
180° angular version



6302.Ø.D

- **10**
- **16**
- **20**
- **25**

Holding force (Nm) at 5 bar

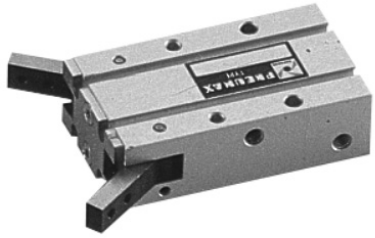
Ø 10 : 0,16 Nm (Opening total stroke = -3÷180°)

Ø 16 : 0,54 Nm (Opening total stroke = -3÷180°)

Ø 20 : 1,10 Nm (Opening total stroke = -3÷180°)

Ø 25 : 2,28 Nm (Opening total stroke = -3÷180°)

Angular grippers
180° angular version.
Rack &pinion style



6303.Ø.D

- **F** = Fingers, end fixing
- **L** = Fingers, side fixing

- **20**
- **25**
- **32**
- **40**
- **50**

Holding force (Nm)

Ø 20 : 0,30 Nm (Opening total stroke = -5÷180°)

Ø 25 : 0,70 Nm (Opening total stroke = -6÷180°)

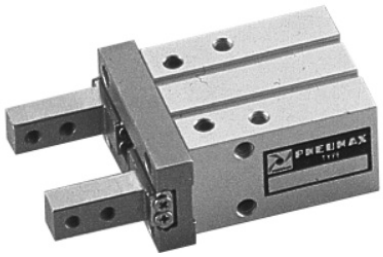
Ø 32 : 1,60 Nm (Opening total stroke = -5÷180°)

Ø 40 : 3,70 Nm (Opening total stroke = -5÷180°)

Ø 50 : 8,30 Nm (Opening total stroke = -4÷180°)

Ordering code

Parallel style pneumatic grippers
Standard version



6310.Ø.__

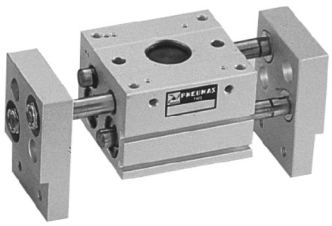
- **10**
- **16**
- **20**
- **25**

- **D** = Double acting
- **NC** = Single acting (N.C.)
- **NO** = Single acting (N.O.)

Bore	Force (N)			
	e	i	e	i
ø10	9,8	17	6,3	12
ø16	30	40	24	31
ø20	42	66	28	56
ø25	65	104	45	83
	double acting		N.O.	N.C.
			Single acting	

e = external holding force
i = internal holding force

Parallel style pneumatic grippers
Wide opening version



6311.Ø.D.__

- **16**
- **20**
- **25**
- **32**
- **40**

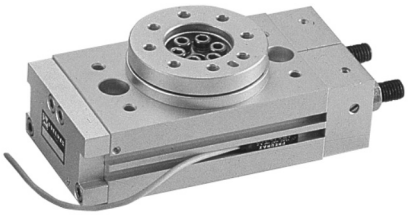
Ordering code options	Stroke				
	30	40	50	70	100
1	60	80	100	120	160
2	80	100	120	160	200
	Ø16	Ø20	Ø25	Ø32	Ø40
	Bore				

Angular grippers
3 Fingers parallel style pneumatic

6312.Ø.D

- **16**
- **20**
- **25**
- **32**
- **40**
- **50**
- **63**
- **80**
- **100**
- **125**

Double rack Rotary actuators with turn table



Ordering code

6400. _ . _

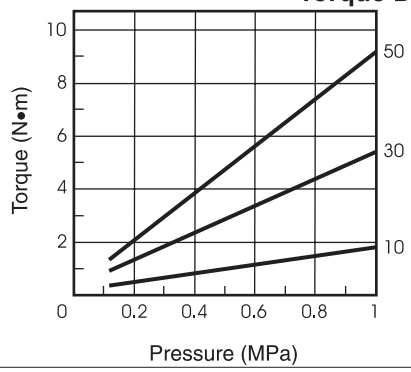
- **10** (piston ø15)
- **30** (piston ø21)
- **50** (piston ø25)
- **100** (piston ø32)
- **200** (piston ø40)

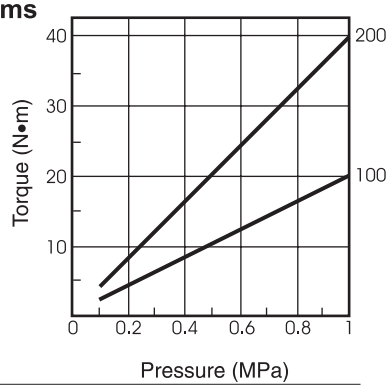
- **A =** Standard
- **R =** Cushioning

Permissible Loads

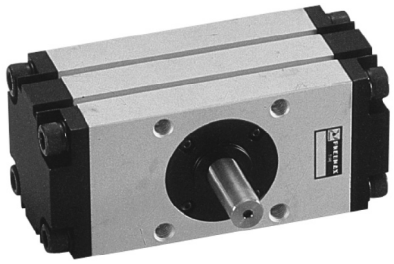
		Size				
		1				
Radial Load (N)		8				
Axial Load (N)	max	8				
Torque Moment (Nm)						

Torque Diagrams





Single rack Rotary actuators



6410.Ø. _

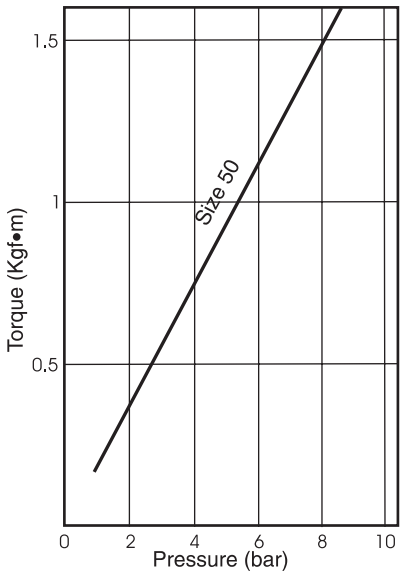
- **50**
- **63**
- **80**
- **100**

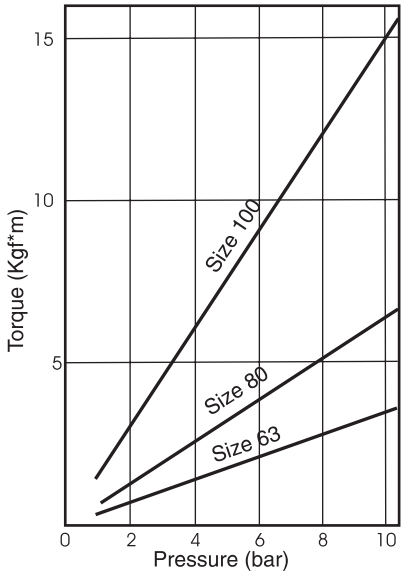
- **90** = rotation 90°
- **180** = rotation 180°

Permissible Loads

	Size			
	50	63	80	100
Radial Load (N)	200	300	400	600
Axial Load (N)	500	600	900	1000
Torque Moment (Nm)	200			

Torque Diagrams





5

Sensors

	Usable with	Description	Ordering code	
	Guided compact Cylinders **Pneumatic Slide units** **Pneumatic Grippers** **Rotary actuators**		**1580.U** **1580.HAP** **MRS.U** **MHS.P** **MC1** **MC2** **MCH1** **MCH2**	Reed bulb sensor with led and 2.5 m cable PNP sensor Hall effect with led and 2.5 m cable Reed bulb sensor with led and connector PNP sensor Hall effect with led and connector M8 in line connector with 2.5 m cable (2 wires) M8 in line connector with 5 m cable (2 wires) M8 in line connector with 2.5 m cable (3 wires) M8 in line connector with 5 m cable (3 wires)
	Pneumatic Grippers **Rotary actuators**		**1581.U.** **1581.H.A.P.** **1581.H.A.N.** **1582.U.** **1582.H.A.P.** **1582.H.A.N.**	Reed bulb sensor with led and 1 m cable PNP sensor Hall effect with led and 1 m cable NPN sensor Hall effect with led and 1 m cable Reed bulb sensor with led and 1 m cable PNP sensor Hall effect with led and 1 m cable NPN sensor Hall effect with led and 1 m cable
	Pneumatic Grippers		**1582.U.** **1582.H.A.P.** **1582.H.A.N.**	Reed bulb sensor with led and 1 m cable PNP sensor Hall effect with led and 1 m cable NPN sensor Hall effect with led and 1 m cable

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