Insertion Magflowmeter
In solid state technology

Type 8045
Digital Flow Transmitter

DN 15 - DN 400; PN 6

Design

This 8045 Magmeter is an insertion type flow meter for pipe sizes from 1/2" to 16". Fittings are available in stainless steel, brass, PVC, PP and PVDF, covering all hydraulic interfaces as inner/outer thread, flange, Tri-clamp, and others. Typical applications are liquids having a conductivity > 20 µS.

Featuring a proven technology the 8045 comes in the same sizes and with the same output signals as all Burkert Paddlewheel Sensors do. It provides 4...20 mA, a pulse and 2 relay outputs. It has the same easy man-machine communication, such as a big 8 digit LC-display talking in clear text using the customer's engineering units. If required any existing installation using Burkert Paddlewheel transmitters can easily be upgraded within a few minutes.

For Commissioning a SIMULATION-mode is available providing a simulation of all output signals as if there was real flow. So, the user can first simulate all flow conditions safely including alarm conditions before putting the hydraulics into action. Calibration is done by either using the standard calibration factors or the unique TEACH-IN function. In the latter case the unit will do an auto-calibration once installed in the particular application.

The 8045 fits best into applications with 2030/2031 Burkert valves. Connection is done using the Burkert Easy Link concept.

Advantages / Benefits

- **Easy System integration by Easy LINK provides low cost of ownership**
- **Sensor in solid state technology (no moving parts)**
- **Shows both flow rate and volume**
- **Easy commissioning due to multi-language, menu-guided operation**
- **SIMULATION: all output signals provided without the need for real flow**
- **TEACH-IN: automatic calibration in particular applications**
- **Fittings available for stainless steel and brass (DN15 – DN50), for PVC, PP and PVDF (DN15 – 400)**

Applications

Flow control of liquids with or w/o solid particles

Waste Water Treatment

Surface Treatment

Laundries

Chemical industry (non hazardous applications)

Food industry

Auxiliary plants

Swimming Pools

bürkert
Easy Fluid Control Systems

Insertion Magflowmeter

In solid state technology

Type 8045

Digital Flow Transmitter

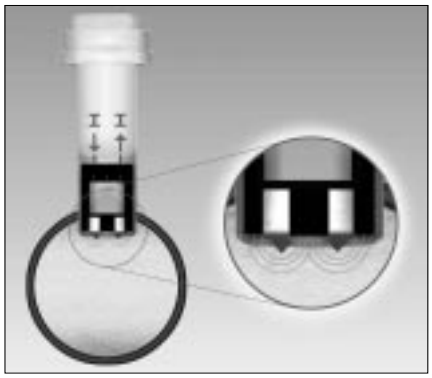
Design

The 8045 transmitter consists of an insertion Magmeter sensor and an electronic board carrying an 8-digit LC-display and 3 keys in an IP65 enclosure. The sensor is made of PVDF having two electrodes and an earthing ring in stainless-steel in contact with the process liquid.

The transmitter amplifies and converts the measured signal. It displays flow, two totalizers and the current output in mA, which corresponds to the actual flow. All output signals are provided via cable plug or cable gland PG 13.5.

Principle of operation

The E-shaped magnetic system inside the sensor induces a magnetic field into the fluid, which is rectangular to the direction of flow. Two electrodes are in galvanic contact with the liquid. Based on the Faradays law a voltage can be measured between these electrodes once a liquid (min. conductivity > 20 µS flows along the pipe. This voltage is proportional to the speed of flow. Using the K-factor for the individual pipe diameter the speed of flow is then converted into volume per time, e.g. m3/h or gal/m.



Installation

The 8045 flow transmitter can easily be installed into any Burkert insertion fitting by just fixing the main nut. The recommended In- and Outflow straight pipe length should respect 10xD in and 3xD out. According to pipe's designs necessary distances can be bigger.

For fluid systems consisting of a transmitter inline with a valve it is recommended to have the fluid pass through the transmitter first, followed by the valve. To obtain the best accuracy a flow conditioner is recommended. For more information please refer to EN ISO 5167-1.

The 8045 flow transmitter can be installed in either horizontal or vertical pipes. Should the transmitter be installed with the display not located horizontally the front cover of the unit can easily be turned by +/ - 90°.

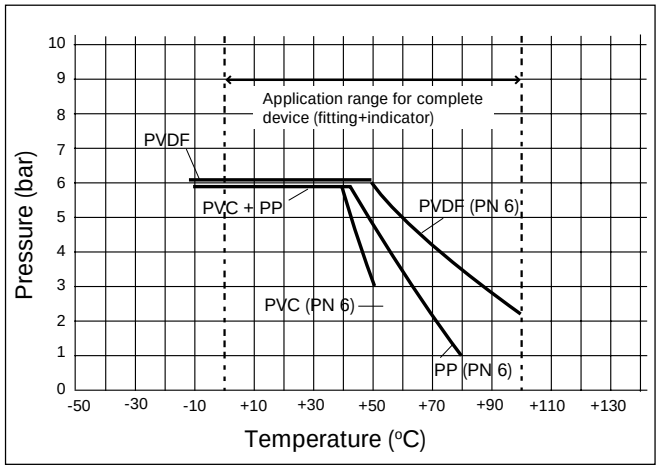
The suitable pipe size is selected using the diagram on the next page. Pressure and temperature ratings must be respected according to the selected fitting material (see below).

The flow transmitter is not designed for gas flow measurement.

Operation / Commissioning

The device can be calibrated by means of the K-factor, or via the Teach-In function.
Customized adjustments, such as measuring range, engineering units, pulse output and filter are carried out on site.

Pressure-Temperature-Diagram for plastics



Examples of fitting selection

The suitable pipe size is selected using the diagram next page.

Example 1:
Specification of nominal flow: 10 m^3/h

Ideal flow velocity: 2...3 m/s

For these specifications, the diagram indicates a pipe size of DN 40.

Example 2:
Specification of nominal flow: 50 gpm

Ideal flow velocity: 8 fps

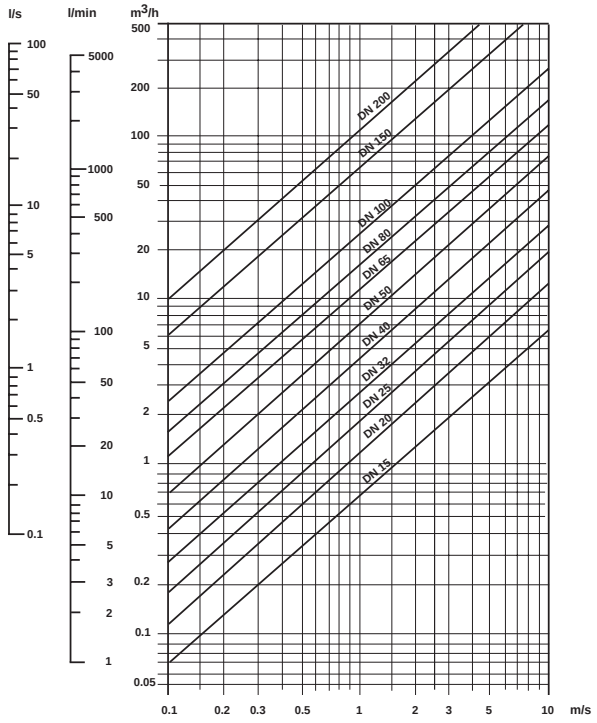
For these specifications, the diagram indicates a pipe size of 1 1/2".

Insertion Magflowmeter
In solid state technology

Type 8045
Digital Flow Transmitter

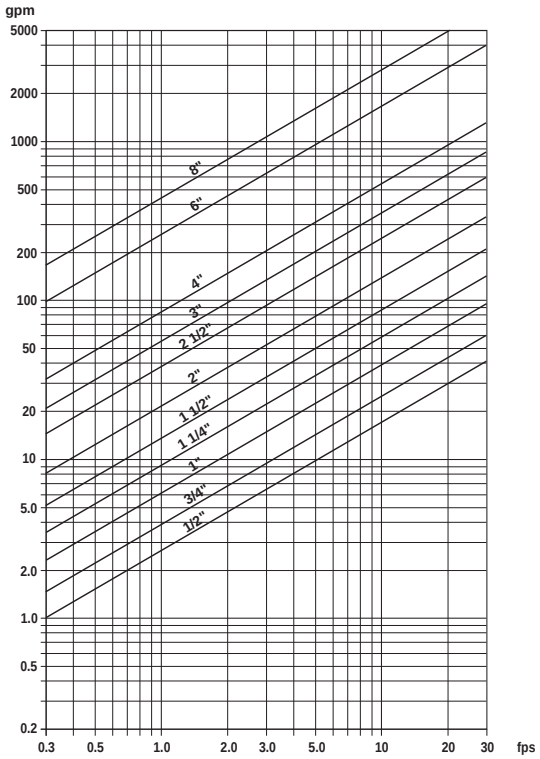
Diagram Flow-Pipe Size-Velocity

Flow



Flow velocity

Flow



Flow velocity

Operation and display

The unit is operated in the following 3 different menus:

▶ Operation menu

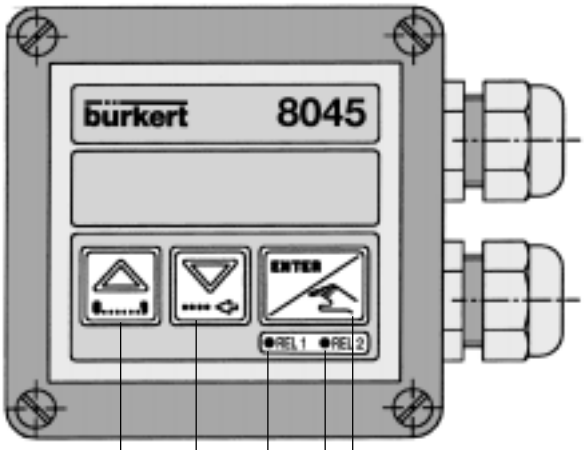
- flow
- output current
- main totalizer
- daily totalizer and reset function

▶ Calibration menu

- language
- engineering units
- K-factor/Teach-in function using volume or master calibration
- measuring range 4...20 mA
- pulse output
- relay (option)
- filter
- reset of main totalizer

▶ Simulation menu

- adjust Zero and Span
- simulate flow in dry-run operation



alter numerical value of selected digit

run through menu, select digit

relay 1 LED (option)

relay 2 LED (option)

confirm input and menu points

Technical Data

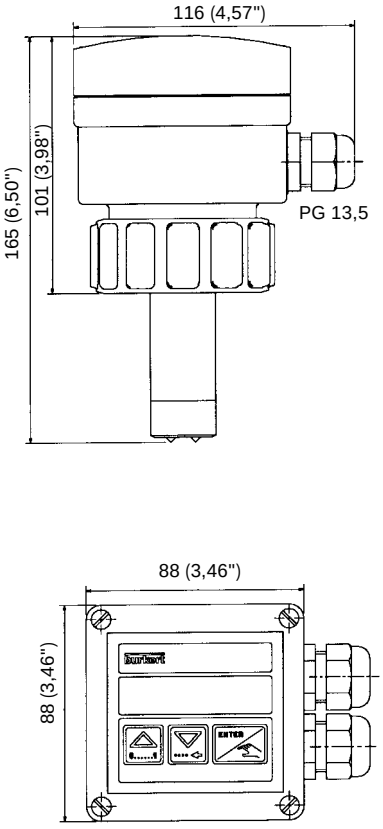
General Data

Measuring range	0.05 - 10 m/s
Measuring error	1. With individual works calibration (on request) or Teach-In: ≤ ±2% o.R. (1-10 m/s) *
	2. With standard mean K-factor: ≤ ± 4% o.R.(1-10 m/s) *
Linearity	≤ ±(1% o.R. + 0.1% o.F.S.) *
Repeatability	±0.25% o.R. *
Temp. coefficient	DN15 = +0.2 % /K [1)]
	DN20, DN25 = +0.1 % /K [1)]
	>DN25 = +0.05 % /K [1)]
	[1)] Reference temperature
Display	15x60 mm, 8-digit LC-display, alphanumeric, 15 segments, 9 mm large
Fluid conductivity	> 20 µS (Micro-Siemens)
Fluid temperature max.	PVC: 0 to 50°C (32 to 122°F); PP: 0 to 80°C (32 to 176°F); PVDF: 0 to 80°C (32 to 176°F); Brass, Stainless Steel: 0 to 80°C (32 to 176°F);
Ambient temperature	0 to 60°C (32 to 140°F)
Storage temperature	0 to 60°C (32 to 140°F)
Pressure class	PN 6
Enclosure	IP65 (NEMA4)
Sensor material	Body in PVDF, electrodes Stainless Steel (1.4404 / 316L)
O-rings	FPM standard
Housing	PC
Front plate foil	Polyester
Fittings	are available for the following pipe sizes and materials
Pipe diameters	Stainless steel: DN15 to DN50 (DN65 to DN 350 weld-o-let)
	Brass: DN15 to DN50
	PVC, PP, PVDF: DN15 to DN 50 (true union, solvent spigot)
	DN65 to DN200 (saddle); DN65 to DN400 (weld-o-let)
Power supply	18...32 VDC, 3-wire
Output signal	4...20 mA
Load	max. 900 Ω at 30 V
	max. 500 Ω at 24 V
	max. 100 Ω at 15 V
Pulse output	Open collector NPN and PNP, 0...30 V, 100 mA, protected
	Option: Reed relay closing 0.1 s, opening depending from flow rate 0.1 s min. Switches max. 34 V, 0.2 A
Relay output (Option)	2 relays, freely programmable, 3 A, 230 V

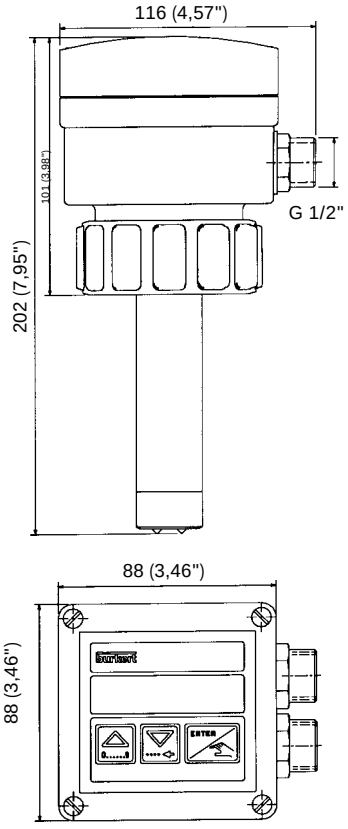
* Under reference conditions, i.e. measuring fluid = water, ambient and water temperature = 20 °C, applying the minimum inlet and outlet pipe straights, matched inside pipe dimensions
o.R. = of reading
o.F.S. = of full scale (10 m/s)

Dimensions [mm (inch)]

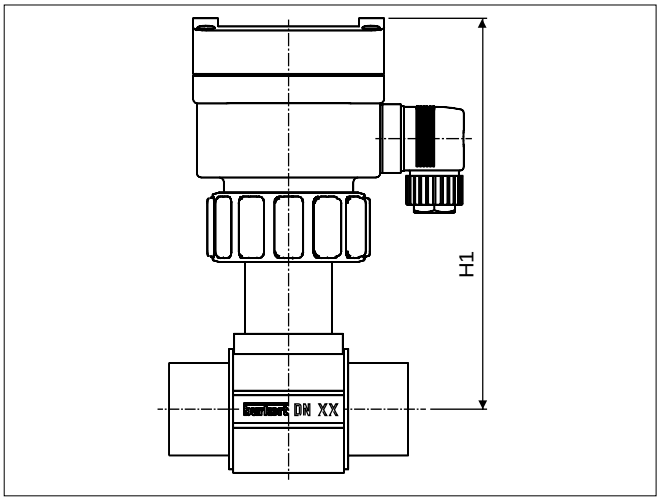
Compact version standard



Compact version North America



Dimensions [mm] - Fittings S020, DN 15 - 50

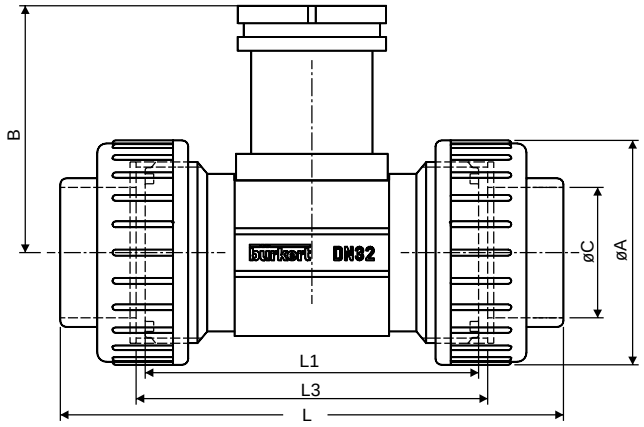


Variable Dimensions [mm]

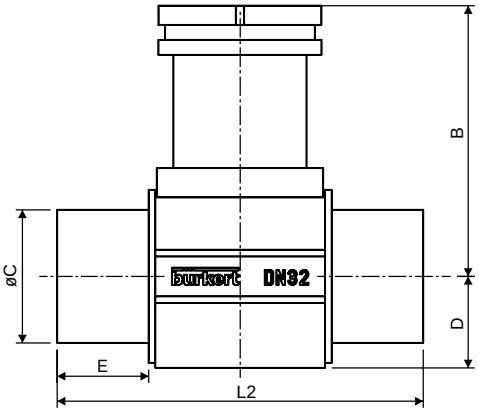
DN	H 4
15	173
20	171
25	171
32	177
40	178
50	184

Applicable for all fitting materials DN 15 ...50 sizes and process connections.

True union - PVC, PP, PVDF



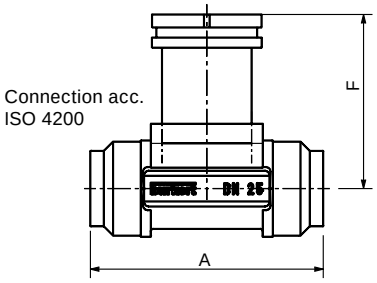
Solvent spigot - PVC, PP, PVDF



True union										Solvent spigot					
B	øA	L			øC			L1	L3	**DN**	D	L2		E	
		DIN	ANSI	JIS	(DIN)	(ANSI)*	(JIS)*					PVC	PP/PVDF	PVC	PP/PVDF
80.4	43	128	130.0	129	20	21.3	18.40	90	96	**15**	17.5	90	85	16.5	14
77.8	53	144	145.6	145	25	26.7	26.45	100	106	**20**	17.5	100	92	20.0	16
78.0	60	160	161.4	161	32	33.4	32.55	110	116	**25**	21.5	110	95	23.0	18
81.4	74	168	170.0	169	40	42.2	38.60	110	116	**32**	27.5	110	100	27.5	20
85.2	83	188	190.2	190	50	48.3	48.70	120	127	**40**	31.5	120	106	30.0	23
91.5	103	212	213.6	213	63	60.3	60.80	130	136	**50**	39.5	130	110	37.0	27

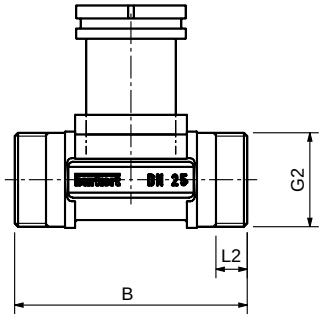
* only for PVC with true union

Weld ends - Stainless steel



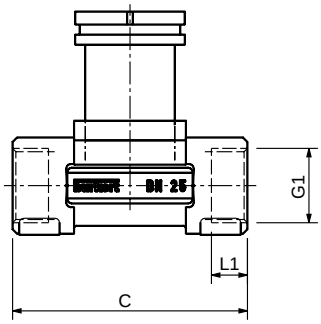
Material Stainless steel:
DIN 1.4404; BS 316L

Male threaded port - Stainless steel / Brass



Material Stainless steel:
DIN 1.4404; BS 316L

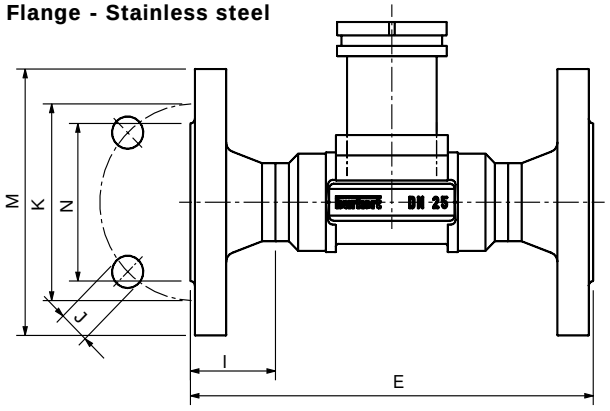
Female threaded port Stainless steel / Brass -



Material Stainless steel:
DIN 1.4404; BS 316L

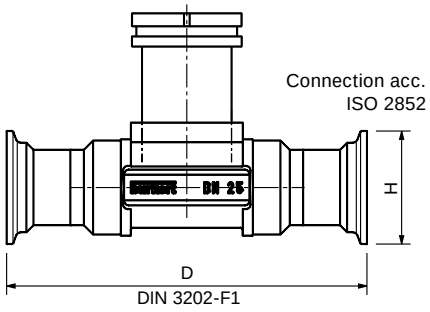
Dimensions [mm] - Fittings S020, DN 15 - 50

Flange - Stainless steel



Material:
DIN 1.4404; B.S. 316 L

Tri-Clamp



Material:
DIN 1.4404; B.S. 316 L

Variable dimensions [mm] for Weld ends, Male threaded port, Female threaded port, Flange, Tri-Clamp

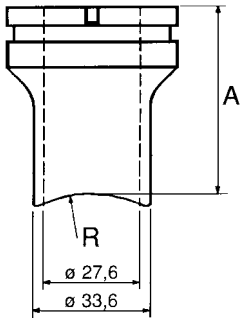
DN	Weld ends ø outside	Weld ends Wall-thickness	Length dimensions A	B	C	D	E (DIN) (ANSI)	E (JIS)	F	Thread G1	L1	G2	L2	Tri-Clamp H	Flange dimensions Norm*	I	J	K	M	N
										G 1/2	16.0				DIN	23.5	4x14.0	65.0	95	45.0
15	21.3	1.6	84	84	85	130	130	140	80.3	NPT 1/2	17.0	G3/4	11.5	34.0	ANSI	23.5	4x15.8	60.3	89	34.9
										Rc 1/2	15.0				JIS	23.5	4x15.0	70.0	95	51.0
										G 3/4	17.0				DIN	28.5	4x14.0	75.0	105	58.0
20	26.9	1.6	94	94	95	150	150	152	77.8	NPT 3/4	18.3	G 1	13.5	50.5	ANSI	28.5	4x15.8	69.8	99	42.9
										Rc 3/4	16.3				JIS	28.5	4x15.0	75.0	100	56.0
										G 1	23.5				DIN	28.5	4x14.0	85.0	115	68.0
25	33.7	2.0	104	104	105	160	160	165	78.0	NPT 1	18.0	G 1/14	14.0	50.5	ANSI	28.5	4x15.8	79.4	108	50.8
										Rc 1	18.0				JIS	28.5	4x19.0	90.0	125	67.0
										G 11/4	23.5				DIN	31.0	4x18.0	100.0	140	78.0
32	42.4	2.0	119	119	120	180	180	178	81.6	NPT 11/4	21.0	G 1/2	18.0	50.5	ANSI	31.0	4x15.8	88.9	117	63.5
										Rc	21.0				JIS	31.0	4x19.0	100.0	135	76.0
										G 11/2	23.5				DIN	36.0	4x18.0	110.0	150	88.0
40	48.3	2.0	129	129	130	200	200	190	85.4	NPT 11/2	20.0	M55x2	19.0	64.0	ANSI	36.0	4x15.8	98.4	127	73.0
										Rc 11/2	19.0				JIS	36.0	4x19.0	105.0	140	81.0
										G 2	27.5				DIN	41.0	4x18.0	125.0	165	102.0
50	60.3	2.6	149	149	150	230	230	216	91.5	NPT 2	24.0	M64x2	20.0	77.5	ANSI	41.0	4x19.0	120.6	152	92.1
										Rc 2	24.0				JIS	41.0	4x19.0	120.0	155	96.0

* Flange: DIN 2501/2633, length according to DIN 3202-F1;
ANSI B16-5-1988, length according to DIN 3202-F1
JIS 10K, length according to ANSI B16-10

Dimensions [mm] - Fittings DN 65 - 350

Weld-o-let fittings with radius - Stainless steel

Material: 1.4404 (DIN),
316L (B.S.)



Variable Dimensions [mm]

DN	A	R
65	54.52	36.65
80	53.07	44.45
100	50.71	57.15
125	48.24	70.65
150	45.73	84.15
200	41.01	109.55
250	73.64	136.55
350	63.94	177.80

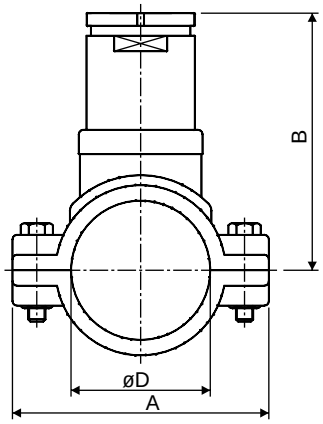
Note:
Short sensor version for: DN 65 - DN 200
Long sensor version for: DN 250 - DN 350

Dimensions [mm] - Fittings DN 65 - 400

Saddle - PP

Body material: PP/PVC
Seal material: EPDM

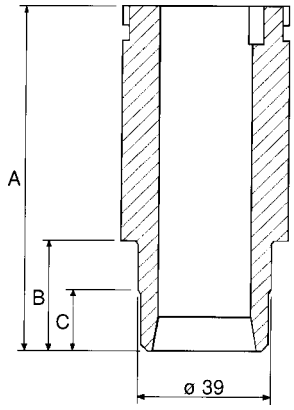
Note: These saddle fittings require the long sensor version of the flow indicator 8045 for all DN.



Variable Dimensions [mm]

DN	A	B	øD
50	116	111.1	63
65	129	110.0	75
80	144	113.9	90
100	166	118.7	110
110	181	115.5	125
125	196	121.5	140
150	216	131.5	160
200	290	174.0	225

Weld-o-let fittings - PE, PP, PVDF



Variable Dimensions [mm]

DN	A	PE		PP		PVDF	
		B	C	B	C	B	C
65	72.5	13	---	13	---	10.4	---
80	72.5	15.6	---	15.6	---	12.5	---
100	72.5	19	5	19	5	15.2	6
150	102	27.7	10	27.7	10	---	---
200	102	38.9	16	38.9	16	---	---
250	102	48.4	21	48.4	21	---	---
300	102	61.3	28	61.3	28	---	---
350	102	61.3	28	61.3	28	---	---
400	102	69.1	31,5	---	---	---	---

Note:
Short sensor version for: DN 65 - DN 100
Long sensor version for: DN 150 - DN 400

Ordering Data for Flow Transmitter Type 8045

Compact 4...20 mA INSERTION MAGMETER TRANSMITTER

TYPE DESCRIPTION STANDARD TYPES WORLDWIDE Magmeter without Relays	VOLTAGE	SEALING	SENSOR	CABLE CONNECTOR	ITEM-NO.
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	FPM	Mag, short	1xPG 13,5	426 498 R
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	FPM	Mag, long	1xPG 13,5	426 499 J
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	EPDM	Mag, short	1xPG 13,5	426 500 X
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	EPDM	Mag, long	1xPG 13,5	426 501 L
Magmeter with Relays					
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	FPM	Mag, short	2xPG 13,5	426 506 R
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	FPM	Mag, long	2xPG 13,5	426 507 J
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	EPDM	Mag, short	2xPG 13,5	426 508 T
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	EPDM	Mag, long	2xPG 13,5	426 509 U

Compact 4...20 mA INSERTION MAGMETER TRANSMITTER

TYPE DESCRIPTION STANDARD TYPES NORTH AMERICA Magmeter without Relays	VOLTAGE	SEALING	SENSOR	CABLE CONNECTOR	ITEM-NO.
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	FPM	Mag, short	1xG 1/2"	426 514 G
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	FPM	Mag, long	1xG 1/2"	426 515 H
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	EPDM	Mag, short	1xG 1/2"	426 516 A
8045 w. 4-20 mA, Pulse, 2x Totalisers	18-32 VDC	EPDM	Mag, long	1xG 1/2"	426 517 B
Magmeter with Relays					
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	FPM	Mag, short	2xG 1/2"	426 522 G
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	FPM	Mag, long	2xG 1/2"	426 523 H
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	EPDM	Mag, short	2xG 1/2"	426 524 A
8045 w. 4-20, 2x Relays, Pulse, 2x Total.	18-32 VDC	EPDM	Mag, long	2xG 1/2"	426 525 B

Ordering Data of Stainless Steel Fittings Type S020

Diameters	Materials	Item-No.
SS - Female G-Threaded Ports		
DN 15	SS, FPM	428 736 Y
DN 20	SS, FPM	428 737 Z
DN 25	SS, FPM	428 738 A
DN 32	SS, FPM	428 739 B
DN 40	SS, FPM	428 740 Q
DN 50	SS, FPM	428 741 D
SS - Female NPT-Threaded Ports		
DN 15	SS, FPM	428 742 E
DN 20	SS, FPM	428 743 F
DN 25	SS, FPM	428 744 G
DN 32	SS, FPM	428 745 H
DN 40	SS, FPM	428 746 A
DN 50	SS, FPM	428 747 B
SS - Female ISO7 (JIS) Threaded Ports		
DN 15	SS, FPM	428 748 L
DN 20	SS, FPM	428 749 M
DN 25	SS, FPM	428 750 J
DN 32	SS, FPM	428 751 F
DN 40	SS, FPM	428 752 G
DN 50	SS, FPM	428 753 H
SS- Male G Threaded Ports		
DN 15	SS, FPM	428 754 A
DN 20	SS, FPM	428 755 B
DN 25	SS, FPM	428 756 C
DN 32	SS, FPM	428 757 D
DN 40	SS, FPM	428 758 N
DN 50	SS, FPM	428 759 P
SS - Weld Ends		
DN 15	SS, FPM	428 760 L
DN 20	SS, FPM	428 761 H
DN 25	SS, FPM	428 762 A
DN 32	SS, FPM	428 763 B
DN 40	SS, FPM	428 764 C
DN 50	SS, FPM	428 765 D
SS - Tri-Clamp (ISO 2852)		
DN 15	SS, FPM	428 766 E
DN 20	SS, FPM	428 767 F
DN 25	SS, FPM	428 768 Q
DN 32	SS, FPM	428 769 R
DN 40	SS, FPM	428 770 N
DN 50	SS, FPM	428 771 B
SS - DIN Flanges (DIN 2501)		
DN 15	SS, FPM	428 772 C
DN 20	SS, FPM	428 773 D
DN 25	SS, FPM	428 774 E
DN 32	SS, FPM	428 775 F
DN 40	SS, FPM	428 776 G
DN 50	SS, FPM	428 777 H
SS - Flanges (JIS 10K)		
DN 15	SS, FPM	431 053 J
DN 20	SS, FPM	431 054 K
DN 25	SS, FPM	431 055 L
DN 32	SS, FPM	431 056 M
DN 40	SS, FPM	431 057 N
DN 50	SS, FPM	431 058 X

Diameters	Materials	Item-No.
SS - ANSI Flanges (ANSI B16-5-1988)		
DN 15	SS, FPM	428 778 J
DN 20	SS, FPM	428 779 K
DN 25	SS, FPM	428 780 H
DN 32	SS, FPM	428 781 W
DN 40	SS, FPM	428 782 X
DN 50	SS, FPM	428 783 Y
SS - Weld-o-let		
DN 65	SS	418 112 M
DN 80	SS	418 113 N
DN 100	SS	418 114 P
DN 125	SS	418 115 Q
DN 150	SS	418 116 R
DN 200	SS	418 117 J
DN 250	SS	418 756 A
DN 300	SS	420 070 G
DN 350	SS	416 637 R

Ordering Data of Brass Fittings Type S020

Diameters	Materials	Item-No.
Brass - Female G-Threaded Ports		
DN 15	Brass, FPM	428 712 Y
DN 20	Brass, FPM	428 713 Z
DN 25	Brass, FPM	428 714 S
DN 32	Brass, FPM	428 715 T
DN 40	Brass, FPM	428 716 U
DN 50	Brass, FPM	428 717 V
Brass - Female NPT-Threaded Ports		
DN 15	Brass, FPM	428 718 E
DN 20	Brass, FPM	428 719 F
DN 25	Brass, FPM	428 720 C
DN 32	Brass, FPM	428 721 Z
DN 40	Brass, FPM	428 722 S
DN 50	Brass, FPM	428 723 T
Brass - Female ISO7 (JIS) Threaded Ports		
DN 15	Brass, FPM	428 724 U
DN 20	Brass, FPM	428 725 V
DN 25	Brass, FPM	428 726 W
DN 32	Brass, FPM	428 727 X
DN 40	Brass, FPM	428 728 G
DN 50	Brass, FPM	428 729 H
Brass - Male G/metric Threaded Ports		
DN 15	Brass, FPM	428 730 E
DN 20	Brass, FPM	428 731 T
DN 25	Brass, FPM	428 732 U
DN 32	Brass, FPM	428 733 V
DN 40	Brass, FPM	428 734 W
DN 50	Brass, FPM	428 735 X

Ordering Data of Plastic Fittings Type S020

Diameters	Materials	Item-No.
PVC - True union ISO		
DN 15	PVC, FPM	428 670 J
DN 20	PVC, FPM	428 671 F
DN 25	PVC, FPM	428 672 G
DN 32	PVC, FPM	428 673 H
DN 40	PVC, FPM	428 674 A
DN 50	PVC, FPM	428 675 B
PVC - True union ASTM		
1/2"	PVC, FPM	428 682 T
3/4"	PVC, FPM	428 683 U
1"	PVC, FPM	428 684 V
1" 1/4"	PVC, FPM	428 685 W
1" 3/4"	PVC, FPM	428 686 X
2"	PVC, FPM	428 687 Y
PVC - True union JIS		
DN 15	PVC, FPM	429 078 H
DN 20	PVC, FPM	429 079 A
DN 25	PVC, FPM	429 080 Y
DN 32	PVC, FPM	429 081 M
DN 40	PVC, FPM	429 082 N
DN 50	PVC, FPM	429 083 P
PVC - Solvent Spigot		
DN 15	PVC, FPM	428 676 C
DN 20	PVC, FPM	428 677 D
DN 25	PVC, FPM	428 678 N
DN 32	PVC, FPM	428 679 P
DN 40	PVC, FPM	428 680 D
DN 50	PVC, FPM	428 681 S
PE - Weld-o-let		
DN 65	PE	418 642 G
DN 80	PE	418 643 H
DN 100	PE	418 644 A
DN 150	PE	418 645 B
DN 200	PE	418 646 C
DN 250	PE	418 647 D
DN 300	PE	418 648 N
DN 350	PE	418 649 P
DN 400	PE	418 598 V

Diameters	Materials	Item-No.
PP - True Union with Threaded Port		
DN 15	PP, FPM	428 688 H
DN 20	PP, FPM	428 689 A
DN 25	PP, FPM	428 690 F
DN 32	PP, FPM	428 691 U
DN 40	PP, FPM	428 692 V
DN 50	PP, FPM	428 693 W
PP - Weld Ends		
DN 15	PP, FPM	428 694 X
DN 20	PP, FPM	428 695 Y
DN 25	PP, FPM	428 696 Z
DN 32	PP, FPM	428 697 S
DN 40	PP, FPM	428 698 B
DN 50	PP, FPM	428 699 C
PP - Weld-o-let		
DN 65	PP	418 650 L
DN 80	PP	418 651 H
DN 100	PP	418 652 A
DN 150	PP	418 653 B
DN 200	PP	418 654 C
DN 250	PP	418 655 D
DN 300	PP	418 656 E
DN 350	PP	418 657 F
PP - Saddle		
DN 50	PP, PVC, FPM	425 138 N
DN 65	PP, PVC, FPM	425 139 P
DN 80	PP, PVC, FPM	425 140 U
DN 100	PP, PVC, FPM	425 141 R
DN 110	PP, PVC, FPM	425 142 J
DN 125	PP, PVC, FPM	425 143 K
DN 150	PP, PVC, FPM	425 144 L
DN 200	PP, PVC, FPM	425 416 D
PVDF - True Union with Threaded Port		
DN 15	PVDF, FPM	428 700 R
DN 20	PVDF, FPM	428 701 E
DN 25	PVDF, FPM	428 702 F
DN 32	PVDF, FPM	428 703 G
DN 40	PVDF, FPM	428 704 H
DN 50	PVDF, FPM	428 705 A
PVDF - Weld Ends		
DN 15	PVDF, FPM	428 706 B
DN 20	PVDF, FPM	428 707 C
DN 25	PVDF, FPM	428 708 M
DN 32	PVDF, FPM	428 709 N
DN 40	PVDF, FPM	428 710 A
DN 50	PVDF, FPM	428 711 X
PVDF - Weld-o-let		
DN 65	PVDF	418 658 Q
DN 80	PVDF	418 659 R
DN 100	PVDF	418 660 N

Insertion Magflowmeter

In solid state technology

Type 8045

Digital Flow Transmitter

Easy **Continuous Pneumatic Control**

up to **-60 %**

Easy **ON/OFF Control**

up to **-50 %**

In case of special application requirements, please consult for advice.

We reserve the right to make technical changes without notice.
803-GB/ 2-0009

bürkert