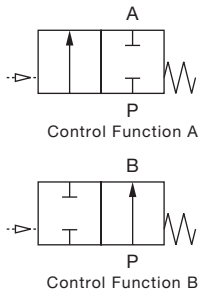
2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Picture showing a complete Burkert System using Type 2012 with 6012 Banjo

2012



DN 15 – 100

- ✓ **High operating safety**
- ✓ **Maintenance-free actuator with long-life piston ring**
- ✓ **Easy to install**
- ✓ **Low life cycle costs**
- ✓ **Comprehensive range of modular accessories**

The externally piloted globe valve consists of a pneumatically operated piston actuator and a 2/2-way valve body.
The actuator is made of PA or for special operating conditions PPS.
The proven self-adjusting packing gland assures high leak-tightness.
The valve body, with its favourable flow characteristics, enables high flow rates to be obtained.

Applications: Food & Beverage
- CIP / SIP; Steam
- Auxiliary Processes

Water Treatment
- Air Control
- Chemical Dosing

Cosmetics
- CIP / SIP; Steam

Textile
- Steam; Water; Air; Dyeing

Process Specification

Materials		
Body	Cast Stainless Steel 316 L (conform to 1.4409)	
Actuator	PA or PPS	
Sealing	PTFE (NBR, FPM and EPDM on request)	
Process media (for gases and liquids)	• For neutral gases, water, alcohols, oils, fuels, hydraulic liquids, salt solutions, lyes, organic solvents, steam (10bar/+180°C)	
	• Above seat only gases & steam	
Viscosity	Max. 600 mm²/s	
Packing gland	PTFE V-rings (silicone grease) with spring compensation	
Installation	As required, but preferably with Actuator upright	
Nominal pressure	PN 25 (body)	
Temperatures		
Fluid	-10°C... +180°C	(PTFE seal[1])
Ambient (depending on actuator)	-10°C... +60°C[1]	(PA)
	+5°C...+140°C	(PPS <100)
	+5°C... +90°C	(PPS ≥100)
		(short +140°C)
Control media	Neutral gases, air	
Max. pilot pressure		
≤ Actuator size 80	10 bar	(PA and PPS)
Actuator size 100	10 bar	(PA)
Actuator size 100	7 bar	(PPS)
Actuator size 125	7 bar	(PA and PPS)
Actuator size 175 & 225	6 bar	(PA)
Port connections		
Weld End ISO	• ISO 4200	
DIN	• DIN 11850 series 2	
OD	• BS 4825 part 1	
ASME	• ASME BPE	
JIS	• 3459 or 3447 (on request)	

1) In combination with max. ambient temperature of +55°C, the max. fluid temperature is +110°C for PA actuators sizes 40, 50 and 63.
2) Circuit function B below seat and circuit function A above seat, please see charts on page 2.

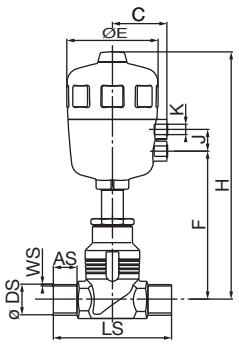
Orifice DN [mm]	Act. size [mm]	Kv-value water [m³/h]	Min. pilot pressure[2] [bar]	Max. operating pressure[3] ≤ 180°C CF A [bar]	CF B [bar]	Weight (ISO/DIN) [kg]
15[4]	C- 40	4.7	4.0	15.0	16.0	0.8
15[4]	D- 50	4.7	3.9	16.0	16.0	0.9
15	C- 40	4.7	4.0	15.0	16.0	0.8
15	D- 50	4.7	3.9	16.0	16.0	0.9
20	C- 40	8.1	4.0	6.5	16.0	0.9
20	D- 50	8.1	3.9	11.0	16.0	1.1
20	E- 63	8.1	4.2	16.0	–	1.5
25	D- 50	12.0	3.9	16.0	–	1.6
25	E- 63	13.0	4.2	11.0	16.0	2.0
25	F- 80	13.0	5.0	16.0	–	2.8
32	E- 63	19.5	4.2	7.0	16.0	2.9
32	F- 80	19.5	5.0	16.0	–	3.7
40	E- 63	31.0	4.2	16.0	–	3.4
40	F- 80	31.0	5.0	10.0	16.0	4.2
40	H-125	31.0	3.2	16.0	–	9.7
50	E- 63	45.0	4.2	16.0	–	3.5
50	F- 80	45.0	5.0	16.0	–	4.3
50	G-100	45.0	4.4	9.0	16.0	7.7
50	H-125	45.0	3.2	11.0	–	9.8
65	H-125	70.0	5.6	12.0	16.0	10.4
65	K-175	70.0	4.5	16.0	–	18.7
80	H-125	110.0	5.6	7.5	14.0	13.1
80	K-175	110.0	4.5	10.0	16.0	21.3
80	L -225	110.0	3.3	16.0	–	23.5
100	H-125	170.0	5.6	5.0	9.0	17.5
100	K-175	170.0	4.5	7.0	14.0	25.6
100	L -225	170.0	4.8	16.0	–	27.8

3) Steam up to 180°C / 10 bar.
4) Port connection DN 10

bürkert
Fluid Control Systems

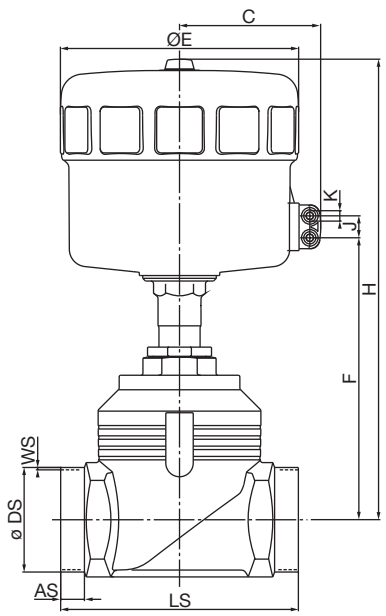
2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Dimensions [mm]



All Actuators										ISO 4200		DIN 11850 S2		BS 4825		ASME BPE	
Orifice DN	Act. size ø	C	E	F	H	K	J	AS	LS	DS	WS	DS	WS	DS	WS	DS	WS
15 [4]	C - 40	33	53	116	168	G 1/8	16.5	20	90	17.2	1.6	13.0	1.5	–	–	–	–
15 [4]	D - 50	44	64	131	211	G 1/4	24.0	20	90	17.2	1.6	13.0	1.5	–	–	–	–
15	C - 40	33	53	116	168	G 1/8	16.5	20	90	21.3	1.6	19.0	1.5	12.7	1.2	12.7	1.6
15	D - 50	44	64	131	211	G 1/4	24.0	20	90	21.3	1.6	19.0	1.5	12.7	1.2	12.7	1.6
20	C - 40	33	53	118	170	G 1/8	16.5	20	100	26.9	1.6	23.0	1.5	19.0	1.2	19.0	1.6
20	D - 50	44	64	135	213	G 1/4	24.0	20	100	26.9	1.6	23.0	1.5	19.0	1.2	19.0	1.6
20	E - 63	52	80	155	247	G 1/4	24.0	20	100	26.9	1.6	23.0	1.5	19.0	1.2	19.0	1.6
25	D - 50	44	64	140	220	G 1/4	24.0	26	130	33.7	2.0	29.0	1.5	25.4	1.6	25.4	1.6
25	E - 63	52	80	159	251	G 1/4	24.0	26	130	33.7	2.0	29.0	1.5	25.4	1.6	25.4	1.6
25	F - 80	60	101	164	273	G 1/4	24.0	26	130	33.7	2.0	29.0	1.5	25.4	1.6	25.4	1.6
32	E - 63	52	80	179	271	G 1/4	24.0	26	140	42.4	2.0	35.0	1.5	–	–	–	–
32	F - 80	60	101	184	294	G 1/4	24.0	26	140	42.4	2.0	35.0	1.5	–	–	–	–
40	E - 63	52	80	184	276	G 1/4	24.0	26	150	48.3	2.0	41.0	1.5	38.1	1.6	38.1	1.6
40	F - 80	60	101	189	299	G 1/4	24.0	26	150	48.3	2.0	41.0	1.5	38.1	1.6	38.1	1.6
40	H - 125	86	153	220	397	G 1/4	30.0	26	150	48.3	2.0	41.0	1.5	38.1	1.6	38.1	1.6
50	E - 63	52	80	195	287	G 1/4	24.0	26	175	60.3	2.0	53.0	1.5	50.8	1.6	50.8	1.6
50	F - 80	60	101	199	309	G 1/4	24.0	26	175	60.3	2.0	53.0	1.5	50.8	1.6	50.8	1.6
50	G - 100	73	127	218	370	G 1/4	30.0	26	175	60.3	2.0	53.0	1.5	50.8	1.6	50.8	1.6
50	H - 125	86	153	225	402	G 1/4	30.0	26	175	60.3	2.0	53.0	1.5	50.8	1.6	50.8	1.6
65	H - 125	86	153	254	430	G 1/4	30.0	26	210	76.1	2.3	70.0	2.0	63.5	1.6	–	–
80	H - 125	86	153	264	440	G 1/4	30.0	26	230	88.9	2.3	85.0	2.0	76.2	1.6	–	–
100	H - 125	86	153	274	450	G 1/4	30.0	26	260	114.3	2.6	104.0	2.0	101.6	2.0	–	–

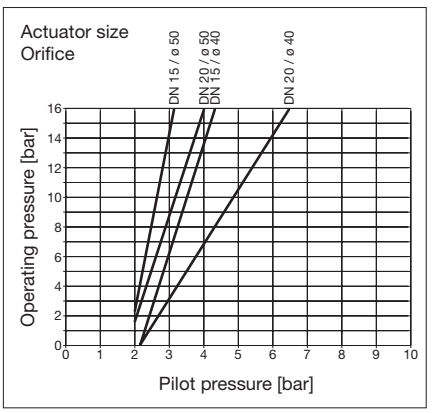
4) Port connection DN 10

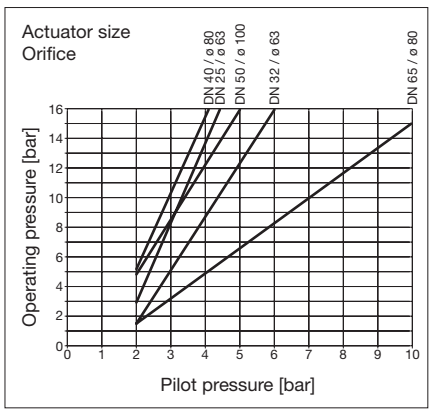


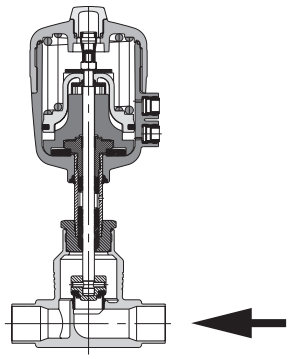
All Actuators										ISO 4200		DIN 11850 S2		BS 4825		ASME BPE	
Orifice DN	Act. size ø	C	E	F	H	K	J	AS	LS	DS	WS	DS	WS	DS	WS	DS	WS
65	K - 175	130	211	289	491	G 1/4	24.0	26	210	76.1	2.3	70.0	2.0	63.5	1.6	–	–
80	K - 175	130	211	296	498	G 1/4	24.0	26	230	88.9	2.3	85.0	2.0	76.2	1.6	–	–
80	L - 225	155	261	299	494	G 1/4	24.0	26	230	88.9	2.3	85.0	2.0	76.2	1.6	–	–
100	K - 175	130	211	306	508	G 1/4	24.0	26	260	114.3	2.6	104.0	2.0	101.6	2.0	–	–
100	L - 225	155	261	309	504	G 1/4	24.0	26	260	114.3	2.6	104.0	2.0	101.6	2.0	–	–

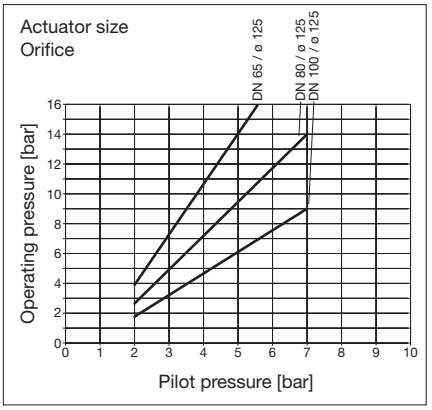
2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

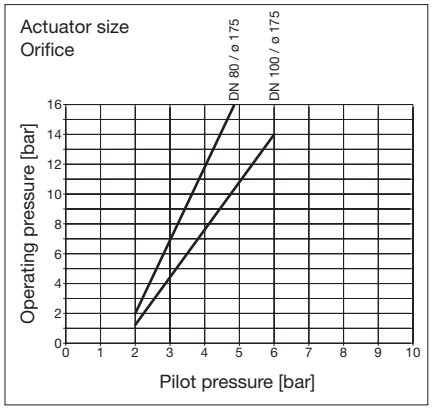
Pressure rating circuit function B, flow direction below seat



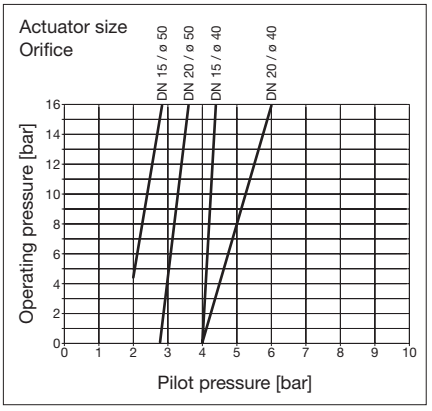


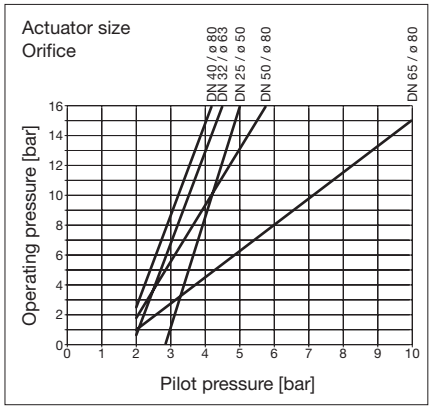


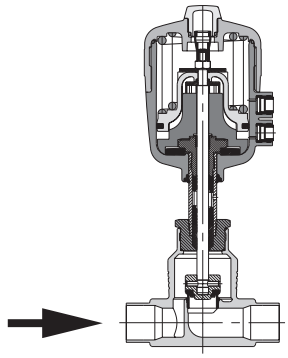


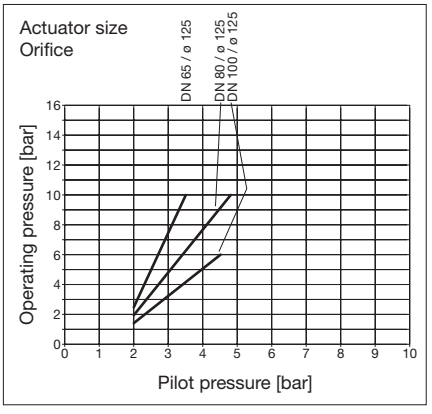


Pressure rating circuit function A, flow direction above seat









2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Ordering chart

Weld End • ISO 4200				Flow below seat		Flow above seat	
Circuit Function	Orifice DN [mm]	Connection D1 x S [mm]	Actuator size ø [mm]	Item-No. PA-Actuator	Item-No. PPS-Actuator	Item-No. PA-Actuator	Item-No. PPS-Actuator
A	15 [4]	17.2 x 1.6	C- 40	146 229 H	146 364 G	146 429 S	–
	15 [4]	17.2 x 1.6	D- 50	146 239 B	146 372 G	146 434 P	146 494 L
	15	21.3 x 1.6	C- 40	146 249 M	–	146 439 U	–
	15	21.3 x 1.6	D- 50	146 261 H	146 380 D	146 445 S	146 498 Y
	20	26.9 x 1.6	C- 40	146 273 D	–	146 450 B	–
	20	26.9 x 1.6	D- 50	146 285 S	–	146 456 V	146 502 U
	20	26.9 x 1.6	E- 63	146 297 W	146 392 V	–	–
	25	33.7 x 2.0	D- 50	–	–	146 462 T	146 506 Y
	25	33.7 x 2.0	E- 63	146 301 A	–	–	–
	25	33.7 x 2.0	F- 80	146 312 U	146 400 A	–	–
	32	42.4 x 2.0	E- 63	146 316 Y	–	146 467 Y	146 510 X
	32	42.4 x 2.0	F- 80	146 324 Y	146 408 E	–	–
	40	48.3 x 2.0	E- 63	–	–	146 472 V	–
	40	48.3 x 2.0	F- 80	146 329 D	–	146 478 B	146 514 P
	40	48.3 x 2.0	H- 125	146 341 H	146 416 M	–	–
	50	60.3 x 2.0	E- 63	–	–	146 483 R	–
	50	60.3 x 2.0	F- 80	–	–	146 489 X	146 518 T
	50	60.3 x 2.0	G- 100	146 347 F	–	–	–
	50	60.3 x 2.0	H- 125	146 359 K	146 424 M	–	–
	65	76.1 x 2.3	H- 125	152 748 P	156 478 D	152 847 T	–
	65	76.1 x 2.3	K- 175	152 766 H	–	–	–
	80	88.9 x 2.3	H- 125	155 542 U	156 486 N	152 856 U	–
	80	88.9 x 2.3	K- 175	152 784 U	–	–	–
	80	88.9 x 2.3	L- 225	152 802 X	–	–	–
	100	114.3 x 2.6	H- 125	155 551 V	156 494 N	152 865 V	–
	100	114.3 x 2.6	K- 175	152 820 U	–	–	–
	100	114.3 x 2.6	L- 225	152 838 S	–	–	–
B	10	17.2 x 1.6	C- 40	146 234 W	146 368 L		
	10	17.2 x 1.6	D- 50	146 244 G	146 376 C		
	15	21.3 x 1.6	C- 40	146 255 B	–		
	15	21.3 x 1.6	D- 50	146 267 F	146 384 V		
	20	26.9 x 1.6	C- 40	146 279 K	–		
	20	26.9 x 1.6	D- 50	146 291 Y	146 388 H		
	25	33.7 x 2.0	E- 63	146 307 G	146 396 Z		
	32	42.4 x 2.0	E- 63	146 320 G	146 404 S		
	40	48.3 x 2.0	F- 80	146 335 T	146 412 R		
	50	60.3 x 2.0	G- 100	146 353 D	146 420 V		
	65	76.1 x 2.3	H- 125	152 757 G	156 482 J		
	80	88.9 x 2.3	H- 125	152 775 A	156 490 W		
	80	88.9 x 2.3	K- 175	152 793 V	–		
	100	114.3 x 2.6	H- 125	152 811 P	156 498 S		
	100	114.3 x 2.6	K- 175	152 829 Z	–		

4) Port connection DN 10

Weld End • DIN 11850 series 2				Flow below seat		Flow above seat	
Circuit Function	Orifice DN [mm]	Connection D1 x S [mm]	Actuator size ø [mm]	Item-No. PA-Actuator	Item-No. PPS-Actuator	Item-No. PA-Actuator	Item-No. PPS-Actuator
A	15 [4]	13.0 x 1.5	C- 40	146 230 E	146 365 H	146 430 X	–
	15 [4]	13.0 x 1.5	D- 50	146 240 Q	146 373 H	146 435 Q	146 495 M
	15	19.0 x 1.5	C- 40	146 250 J	–	146 440 H	–
	15	19.0 x 1.5	D- 50	146 262 A	146 381 S	146 446 T	146 499 Z
	20	23.0 x 1.5	C- 40	146 274 E	–	146 451 Y	–
	20	23.0 x 1.5	D- 50	146 286 T	–	146 457 W	146 503 V
	20	23.0 x 1.5	E- 63	146 298 F	146 393 W	–	–
	25	29.0 x 1.5	D- 50	–	–	146 463 U	146 507 Z
	25	29.0 x 1.5	E- 63	146 302 B	–	–	–
	25	29.0 x 1.5	F- 80	146 313 V	146 401 X	–	–
	32	35.0 x 1.5	E- 63	146 317 Z	–	146 468 H	146 511 L
	32	35.0 x 1.5	F- 80	146 325 Z	146 409 F	–	–
	40	41.0 x 1.5	E- 63	–	–	146 473 W	–
	40	41.0 x 1.5	F- 80	146 330 A	–	146 479 C	146 515 Q
	40	41.0 x 1.5	H- 125	146 342 A	146 417 N	–	–
	50	53.0 x 1.5	E- 63	–	–	146 484 J	–
	50	53.0 x 1.5	F- 80	–	–	146 490 U	146 519 U
	50	53.0 x 1.5	G- 100	146 348 Q	–	–	–
	50	53.0 x 1.5	H- 125	146 360 Q	146 425 N	–	–
	65	70.0 x 2.0	H- 125	152 749 Q	156 479 E	152 848 C	–
	65	70.0 x 2.0	K- 175	152 767 A	–	–	–
	80	85.0 x 2.0	H- 125	155 543 V	156 487 P	152 857 V	–
	80	85.0 x 2.0	K- 175	152 785 V	–	–	–
	80	85.0 x 2.0	L- 225	152 803 Y	–	–	–
	100	104.0 x 2.0	H- 125	155 552 W	156 495 P	152 866 W	–
	100	104.0 x 2.0	K- 175	152 821 R	–	–	–
	100	104.0 x 2.0	L- 225	152 839 T	–	–	–
B	10	13.0 x 1.5	C- 40	146 235 X	146 369 M		
	10	13.0 x 1.5	D- 50	146 245 H	146 377 D		
	15	19.0 x 1.5	C- 40	146 256 C	–		
	15	19.0 x 1.5	D- 50	146 268 Q	146 385 W		
	20	23.0 x 1.5	C- 40	146 280 H	–		
	20	23.0 x 1.5	D- 50	146 292 Z	146 389 A		
	25	29.0 x 1.5	E- 63	146 308 R	146 397 S		
	32	35.0 x 1.5	E- 63	146 321 V	146 405 T		
	40	41.0 x 1.5	F- 80	146 336 U	146 413 J		
	50	53.0 x 1.5	G- 100	146 354 E	146 421 J		
	65	70.0 x 2.0	H- 125	152 758 R	156 483 K		
	80	85.0 x 2.0	H- 125	152 776 B	156 491 K		
	80	85.0 x 2.0	K- 175	152 794 W	–		
	100	104.0 x 2.0	H- 125	152 812 Q	156 499 T		
	100	104.0 x 2.0	K- 175	152 830 W	–		

4) Port connection DN 10

2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Weld End • BS 4825 part 1						Flow below seat		Flow above seat	
Circuit Function	Port size (tub.) DN [mm]	NPS [inch]	Orifice DN [mm]	NPS [inch]	Connection D1 x S [mm]	Actuator size ø [mm]	Max. Operat. pressure[3] [bar]	Item-No. PA-Actuator	Max. Operat. pressure[3] [bar]	Item-No. PA-Actuator
A	15	1/2"	15	1/2"	12.70 x 1.2	C- 40	15.0	146 251 F	16.0	146 441 W
	15	1/2"	15	1/2"	12.70 x 1.2	D- 50	16.0	146 263 B	16.0	146 573 S
	20	3/4"	15	1/2"	19.05 x 1.2	C- 40	15.0	146 275 F	16.0	146 452 Z
	20	3/4"	15	1/2"	19.05 x 1.2	D- 50	16.0	146 287 U	16.0	146 458 F
	20	3/4"	15	1/2"	19.05 x 1.2	E- 63	16.0	–	16.0	–
	25	1"	20	3/4"	25.40 x 1.6	D- 50	11.0	–	16.0	146 464 V
	25	1"	20	3/4"	25.40 x 1.6	E- 63	16.0	146 303 C	16.0	–
	25	1"	20	3/4"	25.40 x 1.6	F- 80	16.0	–	16.0	–
	40	1 1/2"	32	1 1/4"	38.10 x 1.6	E- 63	6.0	–	16.0	146 474 X
	40	1 1/2"	32	1 1/4"	38.10 x 1.6	F- 80	15.0	146 343 B	16.0	–
	40	1 1/2"	32	1 1/4"	38.10 x 1.6	H- 125	–	–	–	–
	50	2"	40	1 1/2"	50.80 x 1.6	E- 63	4.0	–	16.0	146 485 K
	50	2"	40	1 1/2"	50.80 x 1.6	F- 80	10.0	–	16.0	146 491 R
	50	2"	40	1 1/2"	50.80 x 1.6	G- 100	12.5	–	16.0	–
	50	2"	40	1 1/2"	50.80 x 1.6	H- 125	16.0	146 361 D	16.0	–
	65	2 1/2"	50	2"	63.50 x 1.6	H- 125	12.0	152 750 M	10.0	152 849 D
	65	2 1/2"	50	2"	63.50 x 1.6	K- 175	16.0	152 768 K	–	–
	80	3"	65	2 1/2"	76.20 x 1.6	H- 125	7.5	152 786 W	10.0	152 858 E
	80	3"	65	2 1/2"	76.20 x 1.6	K- 175	10.0	155 544 W	–	–
	100	4"	100	4"	101.60 x 2.0	H- 125	5.0	155 553 X	6.0	152 867 X
	100	4"	100	4"	101.60 x 2.0	K- 175	7.0	152 822 J	–	–
	100	4"	100	4"	101.60 x 2.0	L- 225	16.0	152 840 G	–	–
B	15	1/2"	15	1/2"	12.70 x 1.2	C- 40	16.0	146 257 D		
	15	1/2"	15	1/2"	12.70 x 1.2	D- 50	16.0	146 269 R		
	20	3/4"	15	1/2"	19.05 x 1.2	C- 40	16.0	146 281 W		
	20	3/4"	15	1/2"	19.05 x 1.2	D- 50	16.0	146 293 S		
	20	3/4"	15	1/2"	19.05 x 1.2	E- 63	16.0	–		
	25	1"	20	3/4"	25.40 x 1.6	D- 50	16.0	–		
	25	1"	20	3/4"	25.40 x 1.6	E- 63	16.0	146 309 J		
	25	1"	20	3/4"	25.40 x 1.6	F- 80	16.0	–		
	40	1 1/2"	32	1 1/4"	38.10 x 1.6	E- 63	16.0	146 337 V		
	40	1 1/2"	32	1 1/4"	38.10 x 1.6	F- 80	16.0	–		
	40	1 1/2"	32	1 1/4"	38.10 x 1.6	H- 125	–	–		
	50	2"	40	1 1/2"	50.80 x 1.6	E- 63	16.0	–		
	50	2"	40	1 1/2"	50.80 x 1.6	F- 80	16.0	146 355 F		
	50	2"	40	1 1/2"	50.80 x 1.6	G- 100	16.0	–		
	50	2"	40	1 1/2"	50.80 x 1.6	H- 125	16.0	–		
	65	2 1/2"	50	2"	63.50 x 1.6	H- 125	16.0	152 759 J		
	80	3"	65	2 1/2"	76.20 x 1.6	H- 125	14.0	152 777 C		
	80	3"	65	2 1/2"	76.20 x 1.6	K- 175	16.0	152 795 X		
	100	4"	100	4"	101.60 x 2.0	H- 125	9.0	152 813 R		
	100	4"	100	4"	101.60 x 2.0	K- 175	14.0	152 831 K		

3) Steam up to 180°C / 10 bar.

Weld End • ASME BPE (1" up to 2" same as BS 4825)						Flow below seat		Flow above seat	
Circuit Function	Port size (tub.) DN [mm]	NPS [inch]	Orifice DN [mm]	NPS [inch]	Connection D1 x S [mm]	Actuator size ø [mm]	Max. Operat. pressure[3] [bar]	Item-No. PA-Actuator	Max. Operat. pressure[3] [bar]	Item-No. PA-Actuator
A	15	1/2"	15	1/2"	12.70 x 1.65	C-40	15.0	151 831 J	16.0	151 839 S
	15	1/2"	15	1/2"	12.70 x 1.65	D-50	16.0	151 832 K	16.0	151 840 F
	20	3/4"	15	1/2"	19.05 x 1.65	C-40	15.0	151 833 L	16.0	151 851 W
	20	3/4"	15	1/2"	19.05 x 1.65	D-50	16.0	151 834 M	16.0	151 852 X
	20	3/4"	15	1/2"	19.05 x 1.65	E-63	16.0	–	16.0	–
	25	1"	20	3/4"	25.40 x 1.60	D-50	11.0	–	16.0	146 464 V
	25	1"	20	3/4"	25.40 x 1.60	E-63	16.0	146 303 C	16.0	–
	25	1"	20	3/4"	25.40 x 1.60	F-80	16.0	–	16.0	–
	40	1 1/2"	32	1 1/4"	38.10 x 1.60	E-63	6.0	–	16.0	146 474 X
	40	1 1/2"	32	1 1/4"	38.10 x 1.60	F-80	15.0	146 343 B	16.0	–
	40	1 1/2"	32	1 1/4"	38.10 x 1.60	H-125	–	–	–	–
	50	2"	40	1 1/2"	50.80 x 1.60	E-63	4.0	–	16.0	146 485 K
	50	2"	40	1 1/2"	50.80 x 1.60	F-80	10.0	–	16.0	146 491 R
	50	2"	40	1 1/2"	50.80 x 1.60	G-100	12.5	–	16.0	–
	50	2"	40	1 1/2"	50.80 x 1.60	H-125	16.0	146 361 D	16.0	–
B	15	1/2"	15	1/2"	12.70 x 1.65	C-40	16.0	151 835 N		
	15	1/2"	15	1/2"	12.70 x 1.65	D-50	16.0	151 836 P		
	20	3/4"	15	1/2"	19.05 x 1.65	C-40	16.0	151 837 Q		
	20	3/4"	15	1/2"	19.05 x 1.65	D-50	16.0	151 838 Z		
	20	3/4"	15	1/2"	19.05 x 1.65	E-63	16.0	–		
	25	1"	20	3/4"	25.40 x 1.60	D-50	16.0	–		
	25	1"	20	3/4"	25.40 x 1.60	E-63	16.0	146 309 J		
	25	1"	20	3/4"	25.40 x 1.60	F-80	16.0	–		
	40	1 1/2"	32	1 1/4"	38.10 x 1.60	E-63	16.0	146 337 V		
	40	1 1/2"	32	1 1/4"	38.10 x 1.60	F-80	16.0	–		
	40	1 1/2"	32	1 1/4"	38.10 x 1.60	H-125	–	–		
	50	2"	40	1 1/2"	50.80 x 1.60	E-63	16.0	–		
	50	2"	40	1 1/2"	50.80 x 1.60	F-80	16.0	146 355 F		
	50	2"	40	1 1/2"	50.80 x 1.60	G-100	16.0	–		
	50	2"	40	1 1/2"	50.80 x 1.60	H-125	16.0	–		

3) Steam up to 180°C / 10 bar.

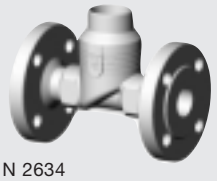
2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Further Process Connections are:

Threaded Ends

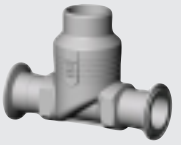
- G
- NPT
- Rc

Flanges



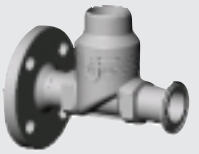
- DIN 2634
- ASME B16.5
- JIS B2238

Tri-Clamp®



- ISO 2852
- SMS 3017
- DIN 32676
- BS 4825

Customized*



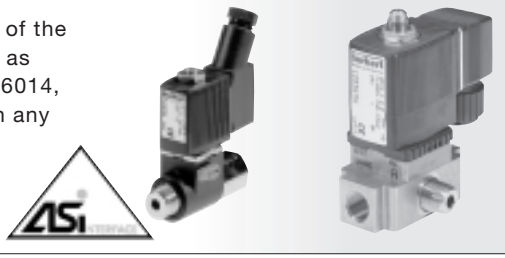
* e.g. one side with flange, other side Tri-Clamp®

2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Valve Actuation System: banjo valve — Type: 6012, 6014

The banjo valve types are pneumatic single pilot valves designed for quick mounting onto pneumatic actuators. Simply screwed into the pressure port of the actuator the banjo valve can take up any position as the valve body as well as the pressure inlet are rotatable. In addition the banjo valve types 6012 and 6014, based on a modular concept, have a push-over coil, which can be locked in any position. Also available with cable plug for AS-i.

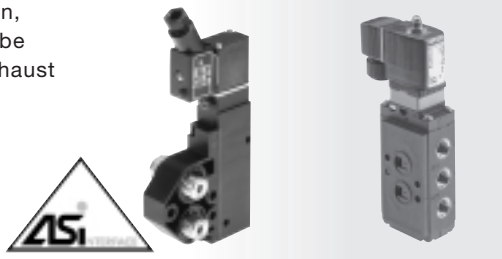
➠ see datasheet type 6012, 6014 banjo



Valve Actuation System: NAMUR valve — Type: 5470, 6519

A Burkert NAMUR valve is an extremely reliably switching, diaphragm-driven, seat valve. The valve, which is manufactured from high quality plastic, can be operated in its 5/2 or 3/2 way function. The 3/2 way function works with exhaust feedback into the spring space. In this way, the penetration of aggressive external air into the interior of the drive is prevented.
Also available with cable plug for AS-i.

➠ see datasheet type 5470, 6519 NAMUR



Valve Actuation System: Mini TOP — Type: 8633

The Mini TOP combines pilot valves and position feedback in an extremely compact design.
Due to its modular design, the Mini TOP can be easily plugged onto a globe valve. Both single and double acting actuators are possible. Position feedback can be either be delivered by using mechanical or inductive limit switches.
The unique design reduces installation and commissioning costs to a minimum.
It offers standard connections to valve actuators, intelligent sensors and process network interfaces like ASi. For actuator size 50 to 80 mm.

➠ see datasheet type 8633

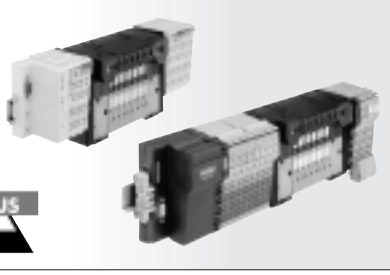
Valve Actuation System: TOP Control ON/OFF — Type: 8631

The TOP Control ON/OFF combines pilot valves and position feedback in one device.
TOP Control ON/OFF and pneumatic actuator are mechanically connected and form a mechanical and functional unit. The modular construction enables one to realize units of different complexity and different electrical connection concepts. Both single and double acting actuators are possible, adjustable position feedback can be either using mechanical or inductive sensors. On failure of the supply voltage or the pneumatic energy, causes the valve to move to a safety position. For actuator size 50 to 225 mm.

Valve Actuation System: AirLINE — Type: 8644

The AirLINE System integrates solenoid pilot valves, remote electrical I/Os with WAGO or PHOENIX and Fieldbus communication to a very compact and flexible Process Actuation Control System. Its modular design allows fully customized, pre-wired and tested solutions to exactly meet any application needs.

➠ see datasheet type 8644



2/2-Way Globe Valve, Pneumatically Operated Cast Stainless Steel Body with Weld Ends

Further Modular Options (➠ see data sheet type 2000 - 2031 accessories)

Position Feedback (1060, 1062 or 1071)

1060
- For alarm & emergency devices, safety disconnectors & sequence arrangements
- Additional optical position indication
- Simple installation
- Retrofittable
- Easily accessible elements & terminals
- Compact IP65 enclosure

1062
- Mechanical, inductive 3-wire and EExi technology
- Simple installation
- Retrofittable
- Can be rotated by 360°
- LEDs provide local operational status and position indication
- Compact IP65 enclosure

1071
- For combinations with stroke adjustment & manual override
- Reliable switching function
- Space saving design, simple installation
- LED display
- Reverse polarity protection
- Short circuit proof
- Pulsed PNP
- Protected against inductive spikes
- A magnetic piston is required

Manual Override

- Normally closed manual override (control function "closed when depressurized" only)
- Integrated optical position indication
- Retrofittable
- Can be combined with external inductive position indication Type 1071

Stroke Limitation

- Max./min. flow setting
- Integr., clear optical position indication
- Retrofittable
- Upper and lower stop adjustable with standard screw driver
- Can be combined with external inductive position indication Type 1071

- Stroke limitation single version*
- Easy adjustment with Allen key
- Can be combined with external inductive position indication Type 1071

* Upper stroke limitation and control function A only

Globe Valve Systems

A globe valve system consists of a globe valve and a valve actuation. Burkert offers a wide range of valve actuation systems suitable for the new globe valve, including banjo valves type 6012/6014, NAMUR valves type 5470/6519, Mini TOP 8633, TOP Control 8633 and AirLINE 8644.

Example for Variations of globe valve ON/OFF Systems







Globe Valve	+	Valve Actuation	=	Complete Globe Valve Systems				
2012 Globe Valve with required process connection		Valve Actuation with all its needs		2012 + 6012 Globe Valve banjo system	2012 + 6519 Globe Valve NAMUR system	2012 + 8633 Globe Valve Mini TOP system	2012 + 8631 Globe Valve TOP Control system	2012 + 8644 Globe Valve AirLINE system

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

We reserve the right to make technical changes without notice.
105-GB/ 2-0241