2/2 WAY PISTON ACTUATED VALVE, CLAMP - STAINLESS STEEL

TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media, steam❶
Media temperature: -10°C ÷ +180°C
Ambient temperature: -10°C ÷ +60°C
Pilot media❷: instrument air, inert gases
Body material: cast AISI 316L (CF3M), see page 37
Clamp end material: AISI 316L
Clamp connection to **ISO 2852** or **ASME BPE**
Bonnet material: cast AISI 316L (CF3M), see page 37
Actuator body material: Polyamide PA6 (reinforced fiberglass 30%)
Seal material: PTFE
Position indicator as standard
Gasket and clamp not included

BENEFITS

Waterhammer-free design for **BPC - BPP** (with flow direction 2→1)
Actuator housing rotation 360°
Design suitable for vacuum applications up to 10^{-2} mbar

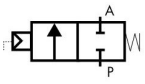
OPTIONS

Stroke regulator assembled ex-factory, see page 27 (e.g. code PC210STJR0)
Travel switch assembled ex-factory, see page 27 (e.g. code RPC208LTZI0)

ACCESSORIES

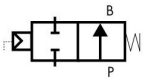
Position module, travel switch kit, pilot solenoid valves see pages 28/29/30/31

TYPE: PC / PP



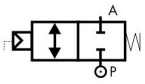
NC
flow over seat
1 → 2

TYPE: RPC / RPP



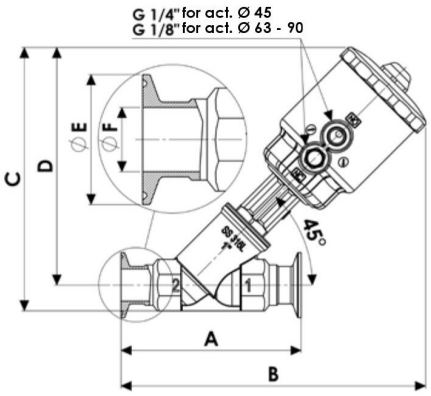
NO
flow under seat
2 → 1

TYPE: BPC / BPP



NC bidirectional
flow over / under seat 1 → 2 / 2 → 1

DIMENSIONS & WEIGHTS		DN15	DN20	DN15	DN20	DN25	DN32	DN40	DN50	DN25	DN32	DN40	DN50
actuator	[mm]	Ø 45		Ø 63						Ø 90			
A - ISO	[mm]	102	114	102	114	140	159	159	190	140	159	159	190
A - ASME	[mm]	102	114	102	114	140	-	159	190	140	-	159	190
B - ISO	[mm]	162	167	210	217	231	240	249	267	243	251	260	279
B - ASME	[mm]	162	167	210	217	231	-	249	267	243	-	260	279
C - ISO	[mm]	140	142	187	193	211	218	229	240	222	230	241	251
C - ASME	[mm]	136	138	183	189	211	-	223	240	222	-	235	251
D	[mm]	123	125	170	176	185	192	197	206	196	204	209	217
E - ISO	[mm]	34	34	34	34	50.5	50.5	64	64	50.5	50.5	64	64
E - ASME	[mm]	25	25	25	25	50.5	-	50.5	64	50.5	-	50.5	64
F - ISO	[mm]	17.2	21.3	17.2	21.3	25	33.7	40	51	25	33.7	40	51
F - ASME	[mm]	9.4	15.75	9.4	15.75	22.1	-	34.8	47.5	22.1	-	34.8	47.5
weight - ISO	[kg]	0.9	1.1	1.3	1.5	1.8	2.4	2.8	3.6	2.4	2.8	3.2	4.0
weight - ASME	[kg]	0.9	1.1	1.3	1.5	1.8	-	2.8	3.6	2.4	-	3.2	4.0



The products listed below comply with the requirements of the European Pressure Equipment Directive 97/23/EC and carry the CE mark when required.
The products fall within the following Pressure Equipment Directive categories:

VALVE TYPE	Bodies	Group 1 gases	Group 1 liquids and Group 2 other fluids
PC - RPC - BPC **PP - RPP - BPP**	DN15 ÷ DN50 (PN10)	SEP	SEP

WARNING !
According to the European Pressure Equipment Directive 97/23/EC, liquids whose saturated vapour pressure at the maximum allowable temperature is more than 0,5 barg shall be considered as gases.

NOTES

❶ Steam max. working pressure 10 bar (9 barg)
❷ Please contact M&M sales Department for other pilot media
❸ Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the COMPARATIVE CHARTS (for different part numbers: e.g. PP205STW00 please refer to the equivalent part number PG205STW00 for threaded connection)

2/2 WAY PISTON ACTUATED VALVE, CLAMP - STAINLESS STEEL

VALVE	body connection	DN	flow rate Kvs	working pressure ❶ min.	working pressure ❶ max.	flow direction	pilot pressure ❸ min.	pilot pressure ❸ max.	actuator Ø	function
code	—	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—
PC205CTW00	clamp to **ISO 2852**	15	65	0	10	1 → 2	3.8	10	45	**NC**
PC206CTX00		20	120	0	10	1 → 2	5.8	10		
PC205STW00		15	85	0	10	1 → 2	3.7	10	63	
PC206STX00		20	160	0	10	1 → 2	4.4	10		
PC207STY00		25	260	0	10	1 → 2	5.9	10		
PC208STZ00		32	420	0	10	1 → 2	9	10		
PC209STK00		40	700	0	10	1 → 2	9	10		
PC210STJ00		50	810	0	10	1 → 2	8	10		
PC207LTY00		25	260	0	10	1 → 2	2	8	90	
PC208LTZ00		32	420	0	10	1 → 2	3.5	8		
PC209LTK00		40	700	0	10	1 → 2	4	8		
PC210LTJ00		50	810	0	10	1 → 2	6.5	8		
RPC205CTW00	clamp to **ISO 2852**	15	65	0	10	2 → 1	4	10	45	**NO**
RPC206CTX00		20	120	0	10	2 → 1	6.2	10		
RPC205STW00		15	85	0	10	2 → 1	2.5	10	63	
RPC206STX00		20	160	0	10	2 → 1	4.3	10		
RPC207STY00		25	260	0	10	2 → 1	5.5	10		
RPC208STZ00		32	420	0	10	2 → 1	6.5	10		
RPC209STK00		40	700	0	10	2 → 1	9	10		
RPC210STJ00		50	810	0	10	2 → 1	9.4	10		
RPC207LTY00		25	260	0	10	2 → 1	3	8	90	
RPC208LTZ00		32	420	0	10	2 → 1	4	8		
RPC209LTK00		40	700	0	10	2 → 1	5	8		
RPC210LTJ00		50	810	0	10	2 → 1	7	8		
BPC205CTW00	clamp to **ISO 2852**	15	65	0	10 / 10	1 → 2 / 2 → 1	6.2 / 5	10	45	**NC bidirectional**
BPC206CTX00		20	120	0	10 / 7	1 → 2 / 2 → 1	8.7 / 5	10		
BPC205STW00		15	85	0	10 / 10	1 → 2 / 2 → 1	5.5 / 3.8	10	63	
BPC206STX00		20	160	0	10 / 10	1 → 2 / 2 → 1	6 / 3.8	10		
BPC207STY00		25	260	0	10 / 10	1 → 2 / 2 → 1	6.5 / 3.8	10		
BPC208STZ00		32	420	0	10 / 6	1 → 2 / 2 → 1	6.8 / 3.8	10		
BPC209STK00		40	700	0	10 / 4	1 → 2 / 2 → 1	9 / 3.8	10		
BPC210STJ00		50	810	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10		
BPC207LTY00		25	260	0	10 / 10	1 → 2 / 2 → 1	4 / 3.3	8	90	
BPC208LTZ00		32	420	0	10 / 10	1 → 2 / 2 → 1	5 / 3.3	8		
BPC209LTK00		40	700	0	10 / 8	1 → 2 / 2 → 1	6 / 3.3	8		
BPC210LTJ00		50	810	0	10 / 6	1 → 2 / 2 → 1	8 / 3.3	8		
PP205CTW00	clamp to **ASME BPE**	15	50	0	10	1 → 2	3.8	10	45	**NC**
PP206CTX00		20	120	0	10	1 → 2	5.8	10		
PP205STW00		15	50	0	10	1 → 2	3.7	10	63	
PP206STX00		20	135	0	10	1 → 2	4.4	10		
PP207STY00		25	250	0	10	1 → 2	5	10		
PP209STK00		40	640	0	10	1 → 2	9	10		
PP210STJ00		50	730	0	10	1 → 2	8	10		
PP207LTY00		25	250	0	10	1 → 2	2	8	90	
PP209LTK00		40	640	0	10	1 → 2	4	8		
PP210LTJ00		50	730	0	10	1 → 2	6.5	8		
RPP205CTW00	clamp to **ASME BPE**	15	50	0	10	2 → 1	4	10	45	**NO**
RPP206CTX00		20	120	0	10	2 → 1	6.2	10		
RPP205STW00		15	50	0	10	2 → 1	2.5	10	63	
RPP206STX00		20	135	0	10	2 → 1	4.3	10		
RPP207STY00		25	250	0	10	2 → 1	5.5	10		
RPP209STK00		40	640	0	10	2 → 1	9	10		
RPP210STJ00		50	730	0	10	2 → 1	9.4	10		
RPP207LTY00		25	250	0	10	2 → 1	2	8	90	
RPP209LTK00		40	640	0	10	2 → 1	5	8		
RPP210LTJ00		50	730	0	10	2 → 1	7	8		
BPP205CTW00	clamp to **ASME BPE**	15	50	0	10 / 10	1 → 2 / 2 → 1	6.2 / 5	10	45	**NC bidirectional**
BPP206CTX00		20	120	0	10 / 7	1 → 2 / 2 → 1	8.7 / 5	10		
BPP205STW00		15	50	0	10 / 10	1 → 2 / 2 → 1	5.5 / 3.8	10	63	
BPP206STX00		20	135	0	10 / 10	1 → 2 / 2 → 1	6 / 3.8	10		
BPP207STY00		25	250	0	10 / 10	1 → 2 / 2 → 1	6.5 / 3.8	10		
BPP209STK00		40	640	0	10 / 4	1 → 2 / 2 → 1	9 / 3.8	10		
BPP210STJ00		50	730	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10		
BPP207LTY00		25	250	0	10 / 10	1 → 2 / 2 → 1	4 / 3.3	8	90	
BPP209LTK00		40	640	0	10 / 8	1 → 2 / 2 → 1	6 / 3.3	8		
BPP210LTJ00		50	730	0	10 / 6	1 → 2 / 2 → 1	8 / 3.3	8		

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