

2/2 Way Piston Actuated Valve G 1/2" to 3/4", Compact Version – Stainless Steel

Specifications	
Type: PG NC flow over seat 1 → 2	
Type RPG: NO flow under seat 2 → 1	
Type: BPG NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Type: DPG DA flow over/under seat 1 ↔ 2	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +180 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	Polyamide PA6 (reinforced fibreglass 30%)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

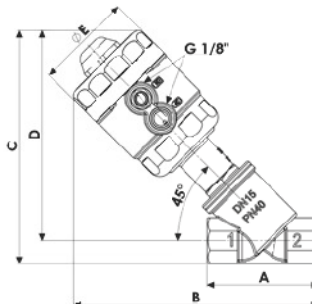
- Waterhammer-free design for BPG - DPG (with flow direction 2 → 1)
- Actuator housing rotation 360°
- Design suitable for vacuum applications up to 10⁻² mbar



Options Available
NPT connection (e.g. code PN205CTW00)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/33

Dimensions & Weights		DN15	DN20
Actuator	[mm]	Ø 45	
A	[mm]	65	75
B	[mm]	144	149
C	[mm]	136	142
D	[mm]	123	126
E	[mm]	57	57
Weight	[kg]	0.8	0.9



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:

Bodies	Group 1 gases	Group 1 liquids and Group 2 other fluids
DN15 to DN20 (PN40)	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.

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function
				Min.	Max.		Min.	Max.		
Code	[ISO 228G]	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—
PG205CTW00	1/2"	15	75	0	16	1 → 2	3.8	10	45	NC
PG206CTX00	3/4"	20	133	0	16	1 → 2	5.8	10		
RPG205CTW00	1/2"	15	75	0	16	2 → 1	4	10	45	NO
RPG206CTX00	3/4"	20	133	0	16	2 → 1	6.2	10		
BPG205CTW00	1/2"	15	75	0	16 / 16	1 → 2 / 2 → 1	6.2 / 5	10	45	NC bidirectional
BPG206CTX00	3/4"	20	133	0	16 / 7	1 → 2 / 2 → 1	8.7 / 5	10		
DPG205CTW00	1/2"	15	75	0	16 / 16	1 ↔ 2	3	10	45	DA
DPG206CTX00	3/4"	20	133	0	16 / 16	1 ↔ 2	5	10		

Notes

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts

2/2 Way Piston Actuated Valve G 1/2" to 2", Regular Version - Stainless Steel

Specifications	
Type: PG NC flow over seat 1 → 2	
Type: RPG NO flow under seat 2 → 1	
Type: BPG NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Type: DPG DA flow over/under seat 1 ↔ 2	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +180 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	Polyamide PA6 (reinforced fiberglass 30%)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

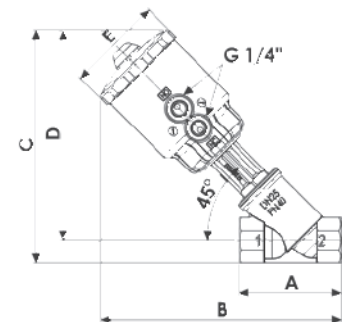
- Waterhammer-free design for BPG - DPG (with flow direction 2→1)
- Actuator housing rotation 360°
- Design suitable for vacuum applications up to 10⁻² mbar



Options Available	
Stroke regulator assembled ex-factory, see page 29 (e.g. code RPG210STJR0)	
Travel switch assembled ex-factory, see page 29 (e.g. code PG208STZJ0)	
NPT connection (e.g. code BPN207LTY00)	
High temperature version, see pages 20/21 (e.g. code PG205STW0H)	

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/33

Dimensions & Weights		DN15	DN20	DN25	DN32	DN40	DN50	DN25	DN32	DN40	DN50	
Actuator	[mm]	Ø 63						Ø 90				
A	[mm]	65	75	90	110	120	150	90	110	120	150	
B	[mm]	192	198	212	225	230	248	223	234	239	257	
C	[mm]	184	192	205	217	225	241	216	227	235	250	
D	[mm]	171	176	185	193	198	207	196	202	207	216	
E	[mm]	85	85	85	85	85	85	112	112	112	112	
Weight	[kg]	1.2	1.3	1.5	1.9	2.1	2.9	2.0	2.4	2.6	3.3	



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
PG - RPG - BPG - DPG	DN15 to DN25 (PN40)	SEP	SEP
	DN32 to DN40 (PN25)	Category I	SEP
	DN50 (PN16)	Category I	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.

2/2 Way Piston Actuated Valve G 1/2" to 2", Regular Version – Stainless Steel

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function	
				Min.	Max.		Min.	Max.			
Code	[ISO 228G]	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—	
PG205STW00	1/2"	15	87	0	20	1 → 2	3.7	10	63	NC	
PG206STX00	3/4"	20	164	0	20	1 → 2	4.4	10			
PG207STY00	1"	25	260	0	20	1 → 2	5	10			
PG208STZ00	1 1/4"	32	410	0	16	1 → 2	5.9	10			
PG209STK00	1 1/2"	40	700	0	16	1 → 2	9	10			
PG210STJ00	2"	50	950	0	11	1 → 2	8	10			
PG207LTY00	1"	25	260	0	20	1 → 2	2	8	90		
PG208LTZ00	1 1/4"	32	410	0	16	1 → 2	3.5	8			
PG209LTK00	1 1/2"	40	700	0	16	1 → 2	4	8			
PG210LTJ00	2"	50	950	0	15	1 → 2	6.5	8			
RPG205STW00	1/2"	15	87	0	16	2 → 1	2.5	10	63		NO
RPG206STX00	3/4"	20	164	0	16	2 → 1	4.3	10			
RPG207STY00	1"	25	260	0	16	2 → 1	5.5	10			
RPG208STZ00	1 1/4"	32	410	0	16	2 → 1	6.5	10			
RPG209STK00	1 1/2"	40	700	0	16	2 → 1	9	10			
RPG210STJ00	2"	50	950	0	12	2 → 1	9.4	10			
RPG207LTY00	1"	25	260	0	16	2 → 1	2	8	90		
RPG208LTZ00	1 1/4"	32	410	0	16	2 → 1	4	8			
RPG209LTK00	1 1/2"	40	700	0	16	2 → 1	5	8			
RPG210LTJ00	2"	50	950	0	16	2 → 1	7	8			
BPG205STW00	1/2"	15	87	0	16	1 → 2 / 2 → 1	5.5 / 3.8	10	63	NC bidirectional	
BPG206STX00	3/4"	20	164	0	16	1 → 2 / 2 → 1	6 / 3.8	10			
BPG207STY00	1"	25	260	0	16 / 11	1 → 2 / 2 → 1	6.5 / 3.8	10			
BPG208STZ00	1 1/4"	32	410	0	16 / 6	1 → 2 / 2 → 1	6.8 / 3.8	10			
BPG209STK00	1 1/2"	40	700	0	12 / 4	1 → 2 / 2 → 1	9 / 3.8	10			
BPG210STJ00	2"	50	950	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10			
BPG207LTY00	1"	25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.3	8	90		
BPG208LTZ00	1 1/4"	32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.3	8			
BPG209LTK00	1 1/2"	40	700	0	16 / 8	1 → 2 / 2 → 1	6 / 3.3	8			
BPG210LTJ00	2"	50	950	0	14 / 6	1 → 2 / 2 → 1	8 / 3.3	8			
DPG205STW00	1/2"	15	87	0	16	1 ↔ 2	1.8	2	63		DA
DPG206STX00	3/4"	20	164	0	16	1 ↔ 2	2	3.8			
DPG207STY00	1"	25	260	0	16	1 ↔ 2	3	5			
DPG208STZ00	1 1/4"	32	410	0	16	1 ↔ 2	4.5	6			
DPG209STK00	1 1/2"	40	700	0	16	1 ↔ 2	6.5	7			
DPG210STJ00	2"	50	950	0	12	1 ↔ 2	9	10			

Notes

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts

2/2 Way Piston Actuated Valve Butt Weld Connection – Stainless Steel

Specifications	
Type: PW/PB NC flow over seat 1 → 2	
Type: RPW/RPB NO flow under seat 2 → 1	
Type: BPW/BPB NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +180 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Butt Weld Connection	DIN 11850-2 pipe or ISO 65/ANSI B 36.10 pipe
Actuator Body Material	Polyamide PA6 (reinforced fiberglass 30%)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

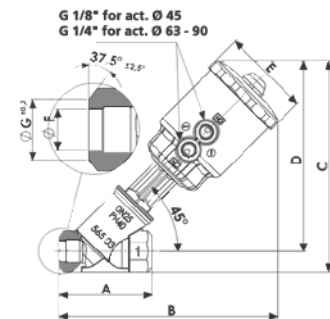
- Waterhammer-free design for BPW - BPB (with flow direction 2→1)
- Actuator housing rotation 360°
- Design suitable for vacuum applications up to 10⁻² mbar



Options Available
Stroke regulator assembled ex-factory, see page 29 (e.g. code RPW210STJ80)
Travel switch assembled ex-factory, see page 29 (e.g. code PB208STZ10)
High temperature version, see pages 20/21 (e.g. code BPW207LTY0H)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/33

Dimensions & Weights		DN15	DN20	DN15	DN20	DN25	DN32	DN40	DN50	DN25	DN32	DN40	DN50
Actuator	[mm]	Ø 45		Ø 63						Ø 90			
A	[mm]	65	75	65	75	90	110	120	150	90	110	120	150
B	[mm]	144	149	192	198	212	225	230	248	223	234	239	257
C	[mm]	136	142	184	192	205	217	225	241	216	227	235	250
D	[mm]	123	126	171	176	185	193	198	207	196	202	207	216
E	[mm]	57	57	85	85	85	85	85	85	112	112	112	112
F DIN 11850	[mm]	16	20	16	20	26	32	38	50	26	32	38	50
F ISO 65/ANSI B 36.10	[mm]	17.4	22.8	17.4	22.8	28.3	37.1	42.7	54.8	28.3	37.1	42.7	54.8
G DIN 11850	[mm]	19.2	23.2	19.2	23.2	29.2	36	42	54	29.2	36	42	54
G ISO 65/ANSI B 36.10	[mm]	20.6	26	20.6	26	31.5	41.1	46.7	58.8	31.5	41.1	46.7	58.8
Weight	[kg]	0.8	0.9	1.2	1.3	1.5	1.9	2.1	2.9	2.0	2.4	2.6	3.3



Welded ends complying with ISO 6761

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
PW - RPW - BPW PB - RPB - BPB	DN15 to DN25 (PN40)	SEP	SEP
	DN32 to DN40 (PN25)	Category I	SEP
	DN50 (PN16)	Category I	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

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts (for different part numbers: e.g. PW2055TW00 please refer to the equivalent part number PG2055TW00 for threaded connection)

2/2 Way Piston Actuated Valve Butt Weld Connection – Stainless Steel

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function		
Code	—	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—		
PW205CTW00	butt weld to DIN 11850-2 pipe	15	75	0	16	1 → 2	3.8	10	45	NC		
PW206CTX00		20	133	0	16	1 → 2	5.8	10				
PW205STW00		15	87	0	20	1 → 2	3.7	10				
PW206STX00		20	164	0	20	1 → 2	4.4	10				
PW207STY00		25	260	0	20	1 → 2	5	10	63			
PW208STZ00		32	410	0	16	1 → 2	5.9	10				
PW209STK00		40	700	0	16	1 → 2	9	10				
PW210STJ00		50	950	0	11	1 → 2	8	10				
PW207LTY00		25	260	0	20	1 → 2	2	8	90			
PW208LTZ00		32	410	0	16	1 → 2	3.5	8				
PW209LTK00		40	700	0	16	1 → 2	4	8				
PW210LTJ00		50	950	0	15	1 → 2	6.5	8				
RPW205CTW00		butt weld to DIN 11850-2 pipe	15	75	0	16	2 → 1	4	10		45	NO
RPW206CTX00			20	133	0	16	2 → 1	6.2	10			
RPW205STW00	15		87	0	16	2 → 1	2.5	10				
RPW206STX00	20		164	0	16	2 → 1	4.3	10				
RPW207STY00	25		260	0	16	2 → 1	5.5	10	63			
RPW208STZ00	32		410	0	16	2 → 1	6.5	10				
RPW209STK00	40		700	0	16	2 → 1	9	10				
RPW210STJ00	50		950	0	12	2 → 1	9.4	10				
RPW207LTY00	25		260	0	16	2 → 1	2	8	90			
RPW208LTZ00	32		410	0	16	2 → 1	4	8				
RPW209LTK00	40		700	0	16	2 → 1	5	8				
RPW210LTJ00	50		950	0	16	2 → 1	7	8				
BPW205CTW00	butt weld to DIN 11850-2 pipe		15	75	0	16/16	1 → 2/2 → 1	6.2/5	10	45	NC bidirectional	
BPW206CTX00			20	133	0	16/7	1 → 2/2 → 1	8.7/5	10			
BPW205STW00		15	87	0	16	1 → 2/2 → 1	5.5/3.8	10				
BPW206STX00		20	164	0	16	1 → 2/2 → 1	6/3.8	10				
BPW207STY00		25	260	0	16/11	1 → 2/2 → 1	6.5/3.8	10	63			
BPW208STZ00		32	410	0	16/6	1 → 2/2 → 1	6.8/3.8	10				
BPW209STK00		40	700	0	12/4	1 → 2/2 → 1	9/3.8	10				
BPW210STJ00		50	950	0	8/2.5	1 → 2/2 → 1	9/3.8	10				
BPW207LTY00		25	260	0	16/14	1 → 2/2 → 1	4/3.3	8	90			
BPW208LTZ00		32	410	0	16/12	1 → 2/2 → 1	5/3.3	8				
BPW209LTK00		40	700	0	16/8	1 → 2/2 → 1	6/3.3	8				
BPW210LTJ00		50	950	0	14/6	1 → 2/2 → 1	8/3.3	8				
PB205CTW00		butt weld to ISO 65/ ANSI B 36.10 pipe	15	75	0	16	1 → 2	3.8	10	45		NC
PB206CTX00			20	133	0	16	1 → 2	5.8	10			
PB205STW00	15		87	0	20	1 → 2	3.7	10				
PB206STX00	20		164	0	20	1 → 2	4.4	10				
PB207STY00	25		260	0	20	1 → 2	5	10	63			
PB208STZ00	32		410	0	16	1 → 2	5.9	10				
PB209STK00	40		700	0	16	1 → 2	9	10				
PB210STJ00	50		950	0	11	1 → 2	8	10				
PB207LTY00	25		260	0	20	1 → 2	2	8	90			
PB208LTZ00	32		410	0	16	1 → 2	3.5	8				
PB209LTK00	40		700	0	16	1 → 2	4	8				
PB210LTJ00	50		950	0	15	1 → 2	6.5	8				
RPB205CTW00	butt weld to ISO 65/ ANSI B 36.10 pipe		15	75	0	16	2 → 1	4	10	45	NO	
RPB206CTX00			20	133	0	16	2 → 1	6.2	10			
RPB205STW00		15	87	0	16	2 → 1	2.5	10				
RPB206STX00		20	164	0	16	2 → 1	4.3	10				
RPB207STY00		25	260	0	16	2 → 1	5.5	10	63			
RPB208STZ00		32	410	0	16	2 → 1	6.5	10				
RPB209STK00		40	700	0	16	2 → 1	9	10				
RPB210STJ00		50	950	0	12	2 → 1	9.4	10				
RPB207LTY00		25	260	0	16	2 → 1	2	8	90			
RPB208LTZ00		32	410	0	16	2 → 1	4	8				
RPB209LTK00		40	700	0	16	2 → 1	5	8				
RPB210LTJ00		50	950	0	16	2 → 1	7	8				
BPB205CTW00		butt weld to ISO 65/ ANSI B 36.10 pipe	15	75	0	16/16	1 → 2/2 → 1	6.2/5	10	45		NC bidirectional
BPB206CTX00			20	133	0	16/7	1 → 2/2 → 1	8.7/5	10			
BPB205STW00	15		87	0	16	1 → 2/2 → 1	5.5/3.8	10				
BPB206STX00	20		164	0	16	1 → 2/2 → 1	6/3.8	10				
BPB207STY00	25		260	0	16/11	1 → 2/2 → 1	6.5/3.8	10	63			
BPB208STZ00	32		410	0	16/6	1 → 2/2 → 1	6.8/3.8	10				
BPB209STK00	40		700	0	12/4	1 → 2/2 → 1	9/3.8	10				
BPB210STJ00	50		950	0	8/2.5	1 → 2/2 → 1	9/3.8	10				
BPB207LTY00	25		260	0	16/14	1 → 2/2 → 1	4/3.3	8	90			
BPB208LTZ00	32		410	0	16/12	1 → 2/2 → 1	5/3.3	8				
BPB209LTK00	40		700	0	16/8	1 → 2/2 → 1	6/3.3	8				
BPB210LTJ00	50		950	0	14/6	1 → 2/2 → 1	8/3.3	8				

2/2 Way Piston Actuated Valve Flanged – Stainless Steel

Specifications	
Type: PD/PA NC flow over seat 1 → 2	
Type: RPD/RPA NO flow under seat 2 → 1	
Type: BPD/BPA NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +180 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Flange Material	cast AISI 316L
Connection	BS 4504 (EN1092, shape B) or ANSI B16.5 class 150
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	Polyamide PA6 (reinforced fiberglass 30%)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

- Waterhammer-free design for BPD - BPA (with flow direction 2→1)
- Actuator housing rotation 360°
- Design for vacuum applications up to 10⁻² mbar

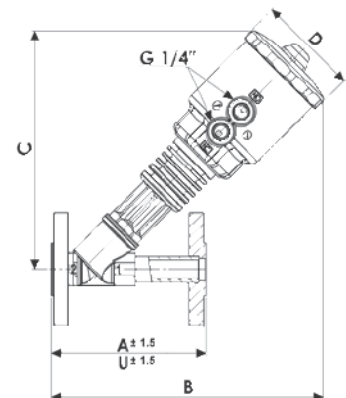


Options Available
Stroke regulator assembled ex-factory, see page 29 (e.g. code PD210STJR0)
Travel switch assembled ex-factory, see page 29 (e.g. code RPA208LTZ0)
High temperature version, see pages 20/21 (e.g. code PD205STW0H)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/331

Dimensions & Weights		DN15	DN20	DN25	DN32	DN40	DN50	DN25	DN32	DN40	DN50	
Actuator	[mm]	Ø 63						Ø 90				
A (ANSI)	[mm]	139.7	152.4	165.1	184.2	203.2	228.6	165.1	184.2	203.2	228.6	
U (BS/UNI/EN)	[mm]	130	150	160	180	200	230	160	180	200	230	
B	[mm]	218	236	239	252	257	275	250	263	268	286	
C	[mm]	194	210	208	216	220	230	219	227	232	240	
D	[mm]	85	85	85	85	85	85	112	112	112	112	
Weight	[kg]	2.6	3.0	3.8	5.6	6.5	8.7	4.4	6.0	6.9	9.1	

A = face to face to ANSI B 16.10
U = face to face to EN 558-1



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
PD - RPD - BPD PA - RPA - BPA	DN15 to DN25 (PN40)	SEP	SEP
	DN32 to DN40 (PN25)	Category I	SEP
	DN50 (PN16)	Category I	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

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts (for different part numbers: e.g. PD205STW00 please refer to the equivalent part number PG205STW00 for threaded connection)

2/2 Way Piston Actuated Valve Flanged – Stainless Steel

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function
Code	—	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—
PD205STW00	flanges to BS 4504 EN1092 shape B	15	87	0	20	1 → 2	3.7	10	63	NC
PD206STX00		20	164	0	20	1 → 2	4.4	10		
PD207STY00		25	260	0	20	1 → 2	5	10		
PD208STZ00		32	410	0	16	1 → 2	5.9	10		
PD209STK00		40	700	0	16	1 → 2	9	10		
PD210STJ00		50	950	0	11	1 → 2	8	10	90	
PD207LTY00		25	260	0	20	1 → 2	2	8		
PD208LTZ00		32	410	0	16	1 → 2	3.5	8		
PD209LTK00		40	700	0	16	1 → 2	4	8		
PD210LTJ00		50	950	0	15	1 → 2	6.5	8		
RPD205STW00	flanges to BS 4504 EN1092 shape B	15	87	0	16	2 → 1	2.5	10	63	NO
RPD206STX00		20	164	0	16	2 → 1	4.3	10		
RPD207STY00		25	260	0	16	2 → 1	5.5	10		
RPD208STZ00		32	410	0	16	2 → 1	6.5	10		
RPD209STK00		40	700	0	16	2 → 1	9	10		
RPD210STJ00		50	950	0	12	2 → 1	9.4	10	90	
RPD207LTY00		25	260	0	16	2 → 1	2	8		
RPD208LTZ00		32	410	0	16	2 → 1	4	8		
RPD209LTK00		40	700	0	16	2 → 1	5	8		
RPD210LTJ00		50	950	0	16	2 → 1	7	8		
BPD205STW00	flanges to BS 4504 EN1092 shape B	15	87	0	16	1 → 2 / 2 → 1	5.5 / 3.8	10	63	NC bidirectional
BPD206STX00		20	164	0	16	1 → 2 / 2 → 1	6 / 3.8	10		
BPD207STY00		25	260	0	16 / 11	1 → 2 / 2 → 1	6.5 / 3.8	10		
BPD208STZ00		32	410	0	16 / 6	1 → 2 / 2 → 1	6.8 / 3.8	10		
BPD209STK00		40	700	0	12 / 4	1 → 2 / 2 → 1	9 / 3.8	10		
BPD210STJ00		50	950	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10	90	
BPD207LTY00		25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.3	8		
BPD208LTZ00		32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.3	8		
BPD209LTK00		40	700	0	16 / 8	1 → 2 / 2 → 1	6 / 3.3	8		
BPD210LTJ00		50	950	0	14 / 6	1 → 2 / 2 → 1	8 / 3.3	8		
PA205STW00	flanges to ANSI B16.5 class 150	15	87	0	20	1 → 2	3.7	10	63	NC
PA206STX00		20	164	0	20	1 → 2	4.4	10		
PA207STY00		25	260	0	20	1 → 2	5	10		
PA208STZ00		32	410	0	16	1 → 2	5.9	10		
PA209STK00		40	700	0	16	1 → 2	9	10		
PA210STJ00		50	950	0	11	1 → 2	8	10	90	
PA207LTY00		25	260	0	20	1 → 2	2	8		
PA208LTZ00		32	410	0	16	1 → 2	3.5	8		
PA209LTK00		40	700	0	16	1 → 2	4	8		
PA210LTJ00		50	950	0	15	1 → 2	6.5	8		
RPA205STW00	flanges to ANSI B16.5 class 150	15	87	0	16	2 → 1	2.5	10	63	NO
RPA206STX00		20	164	0	16	2 → 1	4.3	10		
RPA207STY00		25	260	0	16	2 → 1	5.5	10		
RPA208STZ00		32	410	0	16	2 → 1	6.5	10		
RPA209STK00		40	700	0	16	2 → 1	9	10		
RPA210STJ00		50	950	0	12	2 → 1	9.4	10	90	
RPA207LTY00		25	260	0	16	2 → 1	2	8		
RPA208LTZ00		32	410	0	16	2 → 1	4	8		
RPA209LTK00		40	700	0	16	2 → 1	5	8		
RPA210LTJ00		50	950	0	16	2 → 1	7	8		
BPA205STW00	flanges to ANSI B16.5 class 150	15	87	0	16	1 → 2 / 2 → 1	5.5 / 3.8	10	63	NC bidirectional
BPA206STX00		20	164	0	16	1 → 2 / 2 → 1	6 / 3.8	10		
BPA207STY00		25	260	0	16 / 11	1 → 2 / 2 → 1	6.5 / 3.8	10		
BPA208STZ00		32	410	0	16 / 6	1 → 2 / 2 → 1	6.8 / 3.8	10		
BPA209STK00		40	700	0	12 / 4	1 → 2 / 2 → 1	9 / 3.8	10		
BPA210STJ00		50	950	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10	90	
BPA207LTY00		25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.3	8		
BPA208LTZ00		32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.3	8		
BPA209LTK00		40	700	0	16 / 8	1 → 2 / 2 → 1	6 / 3.3	8		
BPA210LTJ00		50	950	0	14 / 6	1 → 2 / 2 → 1	8 / 3.3	8		

2/2 Way Piston Actuated Valve Clamp – Stainless Steel

Specifications	
Type: PC/PP NC flow over seat 1 → 2	
Type: RPC/RPP NO flow under seat 2 → 1	
Type: BPC/BPP NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +180 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Clamp End Material	AISI 316L
Clamp Connection	ISO 2852 or ASME BPE
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	Polyamide PA6 (reinforced fiberglass 30%)
Seal Material	PTFE
Position Indicator	As standard
Gasket and Clamp	Not included

Features and Benefits

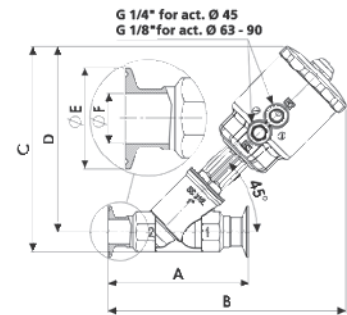
- Waterhammer-free design for BPC - BPP (with flow direction 2→1)
- Actuator housing rotation 360°
- Design suitable for vacuum applications up to 10⁻² mbar



Options Available
Stroke regulator assembled ex-factory, see page 29 (e.g. code PC210STJRO)
Travel switch assembled ex-factory, see page 29 (e.g. code RPC208LTZIO)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/33

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 to 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

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts (for different part numbers: e.g. PP2055TW00 please refer to the equivalent part number PG2055TW00 for threaded connection)

2/2 Way Piston Actuated Valve Clamp – Stainless Steel

VALVE	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		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				
PC206STX00		20	160	0	10	1 → 2	4.4	10	63			
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	90			
PC207LTY00		25	260	0	10	1 → 2	2	8				
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				
RPC206STX00	20		160	0	10	2 → 1	4.3	10	63			
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	90			
RPC207LTY00	25		260	0	10	2 → 1	3	8				
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				
BPC206STX00		20	160	0	10/10	1 → 2/2 → 1	6/3.8	10	63			
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	90			
BPC207LTY00		25	260	0	10/10	1 → 2/2 → 1	4/3.3	8				
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				
PP206STX00	20		135	0	10	1 → 2	4.4	10	63			
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	
RPP206CTX00			20	120	0	10	2 → 1	6.2	10			
RPP205STW00			15	50	0	10	2 → 1	2.5	10			
RPP206STX00		20	135	0	10	2 → 1	4.3	10	63			
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			
BPP206STX00	20		135	0	10/10	1 → 2/2 → 1	6/3.8	10	63			
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				

2/2 Way Piston Actuated Valve G 1/2" to 2", High Temperature Version – Stainless Steel

Specifications	
Type: PG NC flow over seat 1 → 2	
Type: RPG NO flow under seat 2 → 1	
Type: BPG NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +200 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	Polyamide PA6 (reinforced fiberglass 30%)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

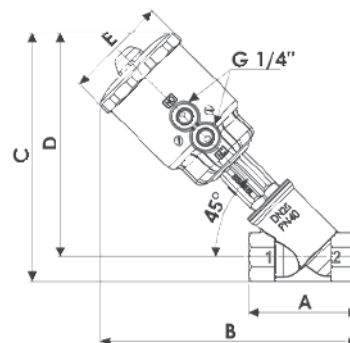
- Waterhammer-free design for BPG - DPG (with flow direction 2→1)
- Actuator housing rotation 360°



Options Available
Stroke regulator assembled ex-factory, see page 29 (e.g. code RPG210STJH)
Travel switch assembled ex-factory, see page 29 (e.g. code PG208STZJH)
NPT connection (e.g. code BPN207LTY0H)
Butt weld connection (e.g. code BPN209LTK0H)
Flanged connection (e.g. code PD205STW0H)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/33

Dimensions & Weights		DN15	DN20	DN25	DN32	DN40	DN50
Actuator	[mm]	Ø 63			Ø 90		
A	[mm]	65	75	90	110	120	150
B	[mm]	192	198	212	234	239	257
C	[mm]	184	192	205	227	235	250
D	[mm]	171	176	185	202	207	216
E	[mm]	85	85	85	112	112	112
Weight	[kg]	1.2	1.3	1.5	2.4	2.6	3.3



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
PG - RPG - BPG	DN15 to DN25 (PN40)	SEP	SEP
	DN32 to DN40 (PN25)	Category I	SEP
	DN50 (PN16)	Category I	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.

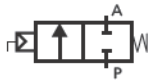
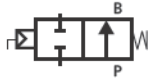
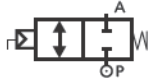
2/2 Way Piston Actuated Valve G 1/2" to 2", High Temperature Version – Stainless Steel

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function
Code	[ISO 228G]	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—
PG205STW0H	1/2"	15	87	0	20	1 → 2	3.7	10	63	NC
PG206STX0H	3/4"	20	164	0	20	1 → 2	4.4	10		
PG207STY0H	1"	25	260	0	20	1 → 2	5	10		
PG208LTZ0H	1 1/4"	32	410	0	16	1 → 2	3.5	8	90	
PG209LTK0H	1 1/2"	40	700	0	16	1 → 2	4	8		
PG210LTJ0H	2"	50	950	0	15	1 → 2	6.5	8		
RPG205STW0H	1/2"	15	87	0	16	2 → 1	2.5	10	63	NO
RPG206STX0H	3/4"	20	164	0	16	2 → 1	4.3	10		
RPG207STY0H	1"	25	260	0	16	2 → 1	5.5	10		
RPG208LTZ0H	1 1/4"	32	410	0	16	2 → 1	4	8	90	
RPG209LTK0H	1 1/2"	40	700	0	16	2 → 1	5	8		
RPG210LTJ0H	2"	50	950	0	16	2 → 1	7	8		
BPG205STW0H	1/2"	15	87	0	16	1 → 2 / 2 → 1	5.5 / 3.8	10	63	NC bidirectional
BPG206STX0H	3/4"	20	164	0	16	1 → 2 / 2 → 1	6 / 3.8	10		
BPG207STY0H	1"	25	260	0	16 / 11	1 → 2 / 2 → 1	6.5 / 3.8	10		
BPG208LTZ0H	1 1/4"	32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.3	8	90	
BPG209LTK0H	1 1/2"	40	700	0	16 / 8	1 → 2 / 2 → 1	6 / 3.3	8		
BPG210LTJ0H	2"	50	950	0	14 / 6	1 → 2 / 2 → 1	8 / 3.3	8		

Notes

1. Steam max. working pressure 14,5 barg
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts

2/2 Way Piston Actuated Valve G 3/4" to 2 3/8", Threaded Spigots – Stainless Steel

Specifications	
Type: PR NC flow over seat 1 → 2	
Type: RPR NO flow under seat 2 → 1	
Type: BPR NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +180 °C
Ambient Temperature	-10 °C to +60 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	Polyamide PA6 (reinforced fiberglass 30%)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

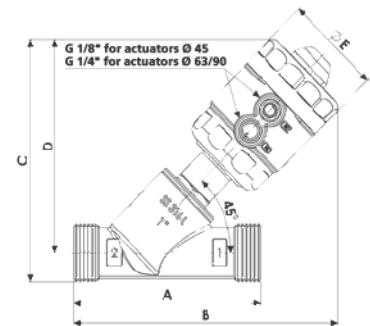
- Waterhammer-free design for BPR (with flow direction 2→1)
- Actuator housing rotation 360°
- Design suitable for vacuum applications up to 10⁻² mbar



Options Available	
Stroke regulator assembled ex-factory, see page 29 (e.g. code BPR211STKR0)	
Travel switch assembled ex-factory, see page 29 (e.g. code BPR206STW0)	
High temperature version, see pages 20/21 (e.g. code RPR208STY0H)	

Accessories	
Position module, travel switch kit, pilot solenoid valves see pages 30/31/32/33	

Dimensions & Weights		DN15	DN20	DN15	DN20	DN25	DN32	DN40	DN50	DN25	DN32	DN40	DN50
Actuator	[mm]	Ø 45		Ø 63						Ø 90			
A	[mm]	90	110	90	110	118	130	140	175	118	130	140	175
B	[mm]	148	156	196	206	217	226	224	246	228	237	235	257
C	[mm]	134	137	181	187	204	212	216	229	215	222	227	240
D	[mm]	121	121	168	171	183	188	189	196	194	199	200	207
E	[mm]	57	57	85	85	85	85	85	85	112	112	112	112
Weight	[kg]	0.9	1.0	1.3	1.4	1.65	2.0	2.2	3.1	2.15	2.5	2.7	3.5



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
PR - RPR - BPR	DN15 to DN25 (PN40)	SEP	SEP
	DN32 to DN40 (PN25)	Category I	SEP
	DN50 (PN16)	Category I	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.

2/2 Way Piston Actuated Valve G 3/4" to 2 3/8", Threaded Spigots – Stainless Steel

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function
				Min.	Max.		Min.	Max.		
Code	[ISO 228G]	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—
PR206CTW00	3/4"	15	75	0	16	1 → 2	3.8	10	45	NC
PR207CTX00	1"	20	133	0	16	1 → 2	5.8	10		
PR206STW00	3/4"	15	87	0	20	1 → 2	3.7	10	63	
PR207STX00	1"	20	164	0	20	1 → 2	4.4	10		
PR208STY00	1 1/4"	25	260	0	20	1 → 2	5	10		
PR209STZ00	1 1/2"	32	410	0	16	1 → 2	5.9	10		
PR211STK00	1 3/4"	40	700	0	16	1 → 2	9	10		
PR212STJ00	2 3/8" ⁴	50	950	0	11	1 → 2	8	10		
PR208LTY00	1 1/4"	25	260	0	20	1 → 2	2	8	90	
PR209LTZ00	1 1/2"	32	410	0	16	1 → 2	3.5	8		
PR211LTK00	1 3/4"	40	700	0	16	1 → 2	4	8		
PR212LTJ00	2 3/8" ⁴	50	950	0	15	1 → 2	6.5	8		
RPR206CTW00	3/4"	15	75	0	16	2 → 1	4	10	45	NO
RPR207CTX00	1"	20	133	0	16	2 → 1	6.2	10		
RPR206STW00	3/4"	15	87	0	16	2 → 1	2.5	10	63	
RPR207STX00	1"	20	164	0	16	2 → 1	4.3	10		
RPR208STY00	1 1/4"	25	260	0	16	2 → 1	5.5	10		
RPR209STZ00	1 1/2"	32	410	0	16	2 → 1	6.5	10		
RPR211STK00	1 3/4"	40	700	0	16	2 → 1	9	10		
RPR212STJ00	2 3/8" ⁴	50	950	0	12	2 → 1	9.4	10		
RPR208LTY00	1 1/4"	25	260	0	16	2 → 1	3	8	90	
RPR209LTZ00	1 1/2"	32	410	0	16	2 → 1	4	8		
RPR211LTK00	1 3/4"	40	700	0	16	2 → 1	5	8		
RPR212LTJ00	2 3/8" ⁴	50	950	0	16	2 → 1	7	8		
BPR206CTW00	3/4"	15	75	0	16 / 16	1 → 2 / 2 → 1	6.2 / 5	10	45	NC bidirectional
BPR207CTX00	1"	20	133	0	16 / 7	1 → 2 / 2 → 1	8.7 / 5	10		
BPR206STW00	3/4"	15	87	0	16	1 → 2 / 2 → 1	5.5 / 3.8	10	63	
BPR207STX00	1"	20	164	0	16	1 → 2 / 2 → 1	6 / 3.8	10		
BPR208STY00	1 1/4"	25	260	0	16 / 11	1 → 2 / 2 → 1	6.5 / 3.8	10		
BPR209STZ00	1 1/2"	32	410	0	16 / 6	1 → 2 / 2 → 1	6.8 / 3.8	10		
BPR211STK00	1 3/4"	40	700	0	12 / 4	1 → 2 / 2 → 1	9 / 3.8	10		
BPR212STJ00	2 3/8" ⁴	50	950	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10		
BPR208LTY00	1 1/4"	25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.3	8	90	
BPR209LTZ00	1 1/2"	32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.3	8		
BPR211LTK00	1 3/4"	40	700	0	16 / 8	1 → 2 / 2 → 1	6 / 3.3	8		
BPR212LTJ00	2 3/8" ⁴	50	950	0	14 / 6	1 → 2 / 2 → 1	8 / 3.3	8		

Notes

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts (for different part numbers: e.g. BPR207STX00 please refer to the equivalent part number BPG207STY00 for threaded connection)
4. According to ISO 338

Piston Actuated Valve Series M and G EXD II 2 GD c TX CLASS

Specifications	
Type: PG NC flow over seat 1 → 2	
Type: RPG NO flow under seat 2 → 1	
Type: BPG NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Protection Class	II 2 GD c TX
Media	Water, oil, air, aggressive media, steam ¹
Media Temperature	-10 °C to +200 °C
Ambient Temperature	-10 °C to +80 °C
Pilot Media ²	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 39
Bonnet Material	Cast AISI 316L (CF3M), see page 39
Actuator Body Material	ASTM A 351 CF8 (AISI 304)
Actuator Cover Material	ASTM A 351 CF8 (AISI 304)
Actuator Housing Material	ASTM A 351 CF8 (AISI 304)
Piston Material	Aluminium
Seal Material	FKM
Position Indicator	As standard

Features and Benefits

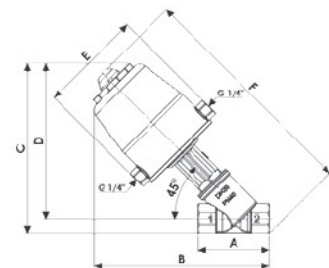
- Waterhammer-free design for BPG (with flow direction 2→1)
- Actuator housing rotation 360°
- High resistance to external agents, shocks



Options Available
Atex inductive switch assembled ex-factory (e.g. code PG207MTYX0), with ambient temperature -10 °C to +60 °C

Accessories
Atex pilot solenoid valves type N326CVEK see page 33

Dimensions & Weights		DN15	DN20	DN25	DN32	DN40	DN50	DN25	DN32	DN40	DN50	
Actuator	[mm]	Ø 63						Ø 90				
A	[mm]	65	75	90	110	120	150	90	110	120	150	
B	[mm]	178	184	200	211	216	234	208	221	226	244	
C	[mm]	171	178	200	204	212	227	201	213	221	236	
D	[mm]	157	162	172	180	184	193	181	189	194	202	
E	[mm]	108	108	108	108	108	108	135	135	135	135	
F	[mm]	228	239	258	275	284	307	260	278	286	310	
Weight	[kg]	2.3	2.4	2.6	3.1	3.4	4.1	3.6	4.1	4.3	5.1	



The pilot solenoid valves ports have a G 1/4" thread and are marked with NO/NC (Normally Open/Normally Closed)

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
PG - RPG - BPG	DN15 to DN25 (PN40)	SEP	SEP
	DN32 to DN40 (PN25)	Category I	SEP
	DN50 (PN16)	Category I	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.

Piston Actuated Valve Series M and G EXD II 2 GD c TX CLASS

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure ¹		Flow Direction	Pilot Pressure ³		Actuator Ø	Function		
				Min.	Max.		Min.	Max.				
Code	[ISO 228G]	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—		
PG205MTW00	1/2"	15	87	0	20	1 → 2	3.7	10	63	NC		
PG206MTX00	3/4"	20	164	0	20	1 → 2	4.4	10				
PG207MTY00	1"	25	260	0	20	1 → 2	5	10				
PG208MTZ00	1 1/4"	32	410	0	16	1 → 2	5.9	10				
PG209MTK00	1 1/2"	40	700	0	16	1 → 2	9	10				
PG210MTJ00	2"	50	950	0	11	1 → 2	8	10				
PG207GTY00	1"	25	260	0	20	1 → 2	2	8	90			
PG208GTZ00	1 1/4"	32	410	0	16	1 → 2	3.5	8				
PG209GTK00	1 1/2"	40	700	0	16	1 → 2	4	8				
PG210GTJ00	2"	50	950	0	15	1 → 2	6.5	8				
RPG205MTW00	1/2"	15	87	0	16	2 → 1	2.5	10			63	NO
RPG206MTX00	3/4"	20	164	0	16	2 → 1	4.3	10				
RPG207MTY00	1"	25	260	0	16	2 → 1	5.5	10				
RPG208MTZ00	1 1/4"	32	410	0	16	2 → 1	6.5	10				
RPG209MTK00	1 1/2"	40	700	0	16	2 → 1	9	10				
RPG210MTJ00	2"	50	950	0	12	2 → 1	9.4	10				
RPG207GTY00	1"	25	260	0	16	2 → 1	2	8	90			
RPG208GTZ00	1 1/4"	32	410	0	16	2 → 1	4	8				
RPG209GTK00	1 1/2"	40	700	0	16	2 → 1	5	8				
RPG210GTJ00	2"	50	950	0	16	2 → 1	7	8				
BPG205MTW00	1/2"	15	87	0	16	1 → 2 / 2 → 1	5.5 / 3.8	10		63	NC bidirectional	
BPG206MTX00	3/4"	20	164	0	16	1 → 2 / 2 → 1	6 / 3.8	10				
BPG207MTY00	1"	25	260	0	16 / 11	1 → 2 / 2 → 1	6.5 / 3.8	10				
BPG208MTZ00	1 1/4"	32	410	0	16 / 6	1 → 2 / 2 → 1	6.8 / 3.8	10				
BPG209MTK00	1 1/2"	40	700	0	12 / 4	1 → 2 / 2 → 1	9 / 3.8	10				
BPG210MTJ00	2"	50	950	0	8 / 2.5	1 → 2 / 2 → 1	9 / 3.8	10				
BPG207GTY00	1"	25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.3	8	90			
BPG208GTZ00	1 1/4"	32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.3	8				
BPG209GTK00	1 1/2"	40	700	0	16 / 8	1 → 2 / 2 → 1	6 / 3.3	8				
BPG210GTJ00	2"	50	950	0	14 / 6	1 → 2 / 2 → 1	8 / 3.3	8				

Notes

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts

Specifications of Inductive Switch

Type of sensor:	in accordance with Namur standards EN 60947-5-6
Switching distance (Sn):	4 mm
Continuous voltage (residual ripple ≤10%):	8,2V
Current absorption at 8,2V in presence of metal:	≤ 1mA
Current absorption at 8,2V in absence of metal:	≥ 3mA
Switching frequency:	2000 Hz
Repeatability (% of Sn):	≤ 3
Housing material:	brass with electroless nickel plating treatment
Cable:	PVC 2x0,25 mm2
Cable length:	3 m
Safety rating:	UI=17V - li=17mA - Pi=73mW - Ci=0,25uF - Li=175uH

