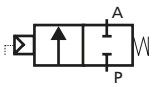
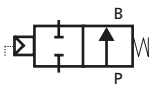
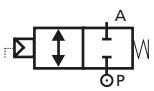
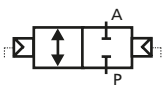
2/2 Way Piston Actuated Valve G 1/2" to 3/4", Compact Version – Stainless Steel

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 to +180 °C
Ambient Temperature	-10 to +60 °C
Pilot Media[2]	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 7
Bonnet Material	Cast AISI 316L (CF3M), see page 7
Actuator Body Material	Polyamide + 30% glass fiber
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
- ATEX version available



CE ATEX UKCA

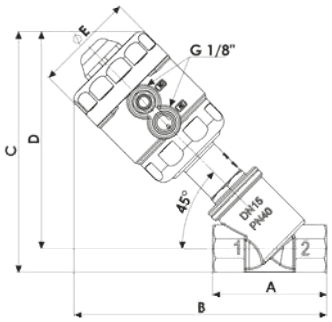
II 2 G Ex h IIC T6 T4 T5 Gb

II 2 D Ex h IIIC T85°C T100°C T135°C Db

Options Available
NPT connection (e.g. code PN205CTW00) ATEX version (e.g. code PG205TTW00)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 34/35/36

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 2014/68/UE 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)	art. 4.3	art. 4.3

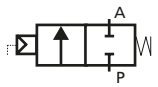
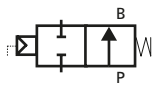
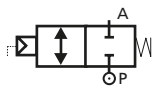
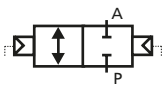
⚠ WARNING!
According to the European Pressure Equipment Directive 2014/68/UE, liquids whose saturated vapour pressure at the maximum allowable temperature is more than 0,5 barg shall be considered as gases.

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure[1] Min.	Working Pressure[1] Max.	Flow Direction	Pilot Pressure[3] Min.	Pilot Pressure[3] Max.	Actuator Ø	Function
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
4. Pav ATEX performances are the same as weather proof pav

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 to +180 °C
Ambient Temperature	-10 to +60 °C
Pilot Media[2]	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 7
Bonnet Material	Cast AISI 316L (CF3M), see page 7
Actuator Body Material	Polyamide + 30% glass fiber
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
- ATEX version available

CE Ex ATEX UK CA

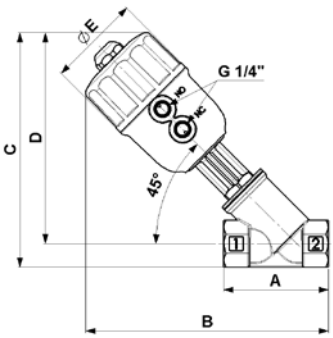
Ex II 2 G Ex h IIC T6 T4 T5 Gb

Ex II 2 D Ex h IIIC T85°C T100°C T135°C Db

Options Available
Stroke regulator assembled ex-factory, see page 33 (e.g. code RPG210STJR0)
Travel switch assembled ex-factory, see page 33 (e.g. code PG208STZI0)
NPT connection (e.g. code BPN207LTY00)
High temperature version, see pages 24/25 (e.g. code PG205STW0H)
ATEX version (e.g. code PG205UTW00)

Accessories
Position module, travel switch kit, pilot solenoid valves see pages 34/35/36

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]	188	194	208	221	225	243	218	230	235	254
C	[mm]	180	188	201	213	221	236	211	223	231	246
D	[mm]	168	172	181	189	194	203	191	199	204	213
E	[mm]	79	79	79	79	79	79	115	115	115	115
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 2014/68/UE 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)	art. 4.3	art. 4.3
	DN32 to DN40 (PN25)	Category I	art. 4.3
	DN50 (PN16)	Category I	art. 4.3

⚠ **WARNING!**
According to the European Pressure Equipment Directive 2014/68/UE, liquids whose saturated vapour pressure at the maximum allowable temperature is more than 0,5 barg shall be considered as gases.

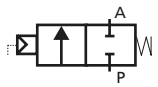
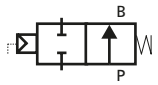
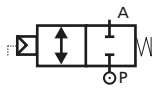
2/2 Way Piston Actuated Valve G 1/2" to 2", Regular Version – Stainless Steel

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure[1] Min.	Working Pressure[1] Max.	Flow Direction	Pilot Pressure[3] Min.	Pilot Pressure[3] Max.	Actuator Ø	Function
Code	[ISO 228G]	[mm]	[l/min]	[barg]	[barg]	—	[barg]	[barg]	[mm]	—
PG205STW00	1/2"	15	87	0	20	1 → 2	3.9	10	63	NC
PG206STX00	3/4"	20	164	0	20	1 → 2	4.6	10		
PG207STY00	1"	25	260	0	20	1 → 2	5.2	10		
PG208STZ00	1 1/4"	32	410	0	16	1 → 2	5.7	10		
PG209STK00	1 1/2"	40	700	0	16	1 → 2	8.8	10		
PG210STJ00	2"	50	950	0	11	1 → 2	7.8	10		
PG207LTY00	1"	25	260	0	20	1 → 2	3	8	90	
PG208LTZ00	1 1/4"	32	410	0	16	1 → 2	3	8		
PG209LTK00	1 1/2"	40	700	0	16	1 → 2	4	8		
PG210LTJ00	2"	50	950	0	15	1 → 2	5.8	8		
RPG205STW00	1/2"	15	87	0	16	2 → 1	2.8	10	63	NO
RPG206STX00	3/4"	20	164	0	16	2 → 1	4.5	10		
RPG207STY00	1"	25	260	0	16	2 → 1	5.7	10		
RPG208STZ00	1 1/4"	32	410	0	16	2 → 1	6.7	10		
RPG209STK00	1 1/2"	40	700	0	14	2 → 1	9.2	10		
RPG210STJ00	2"	50	950	0	12	2 → 1	9.6	10		
RPG207LTY00	1"	25	260	0	16	2 → 1	4.5	7	90	
RPG208LTZ00	1 1/4"	32	410	0	16	2 → 1	4	7		
RPG209LTK00	1 1/2"	40	700	0	16	2 → 1	5.4	7		
RPG210LTJ00	2"	50	950	0	16	2 → 1	7	7		
BPG205STW00	1/2"	15	87	0	16	1 → 2 / 2 → 1	5.9 / 4.2	10	63	NC bidirectional
BPG206STX00	3/4"	20	164	0	16	1 → 2 / 2 → 1	6.4 / 4.2	10		
BPG207STY00	1"	25	260	0	16 / 11	1 → 2 / 2 → 1	6.9 / 4.2	10		
BPG208STZ00	1 1/4"	32	410	0	16 / 6	1 → 2 / 2 → 1	7 / 4.2	10		
BPG209STK00	1 1/2"	40	700	0	12 / 4	1 → 2 / 2 → 1	9.4 / 4.2	10		
BPG210STJ00	2"	50	950	0	8 / 2.5	1 → 2 / 2 → 1	9.4 / 4.2	10		
BPG207LTY00	1"	25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.8	8	90	
BPG208LTZ00	1 1/4"	32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.8	8		
BPG209LTK00	1 1/2"	40	700	0	16 / 8	1 → 2 / 2 → 1	6.5 / 3.8	8		
BPG210LTJ00	2"	50	950	0	14 / 6	1 → 2 / 2 → 1	7 / 3.8	8		
DPG205STW00	1/2"	15	87	0	16	2 → 1	1.8	2	63	DA
DPG206STX00	3/4"	20	164	0	16	2 → 1	2	3.8		
DPG207STY00	1"	25	260	0	16	2 → 1	3	5		
DPG208STZ00	1 1/4"	32	410	0	16	2 → 1	4.5	6		
DPG209STK00	1 1/2"	40	700	0	16	2 → 1	6.5	7		
DPG210STJ00	2"	50	950	0	12	2 → 1	8	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
4. Pav ATEX performances are the same as weather proof pav

Piston Actuated Valve Series M and G

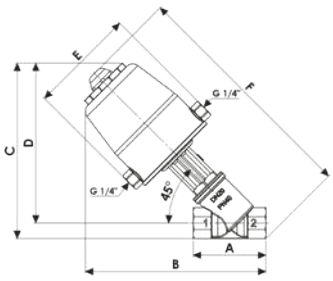
Specifications	
Type: PG NC flow over seat 1 → 2	
Type: RPG NO flow under seat 2 → 1	
Type: BPG NC bi-directional flow over/under seat 1 → 2 / 2 → 1	
Media	Water, oil, air, aggressive media, steam[1]
Media Temperature	-10 to +200 °C
Ambient Temperature	-10 to +80 °C
Pilot Media[2]	Instrument air, inert gases
Body Material	Cast AISI 316L (CF3M), see page 7
Bonnet Material	Cast AISI 316L (CF3M), see page 7
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	PTFE
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



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 2014/68/UE 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)	art. 4.3	art. 4.3
	DN32 to DN40 (PN25)	Category I	art. 4.3
	DN50 (PN16)	Category I	art. 4.3

⚠ WARNING!
According to the European Pressure Equipment Directive 2014/68/UE, 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

Valve	Body Connection	DN	Flow Rate Kvs	Working Pressure[1] Min.	Working Pressure[1] Max.	Flow Direction	Pilot Pressure[3] Min.	Pilot Pressure[3] Max.	Actuator Ø	Function
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