

TECHNICAL SPECIFICATIONS

- Protection class: II 2 GD c Tx
- Media: water, oil, air, aggressive media, steam^①
- Media temperature: -10°C ÷ +200°C
- Ambient temperature: -10°C ÷ +80°C
- Pilot media^②: instrument air, inert gases
- Body material: cast AISI 316L (CF3M), see Piston Actuated Valves Catalogue
- Bonnet material: cast AISI 316L (CF3M), see Piston Actuated Valves Catalogue
- 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

BENEFITS

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

OPTIONS

ATEX inductive switch assembled ex-factory (e.g. code PG207MTYX0), with ambient temperature -10°C ÷ +60°C

ACCESSORIES

ATEX pilot solenoid valves type N326CVEK see TIS *0718*



TYPE: PG



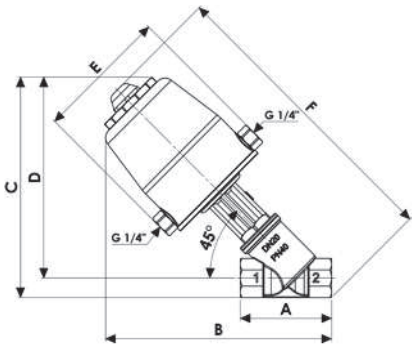
TYPE: RPG



TYPE: BPG



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 ÷ DN25 (PN40)	SEP	SEP
	DN32 ÷ 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 FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES - II 2 GD C TX CLASS

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]	max. min.	[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

TECHNICAL 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: nickel-plated brass

Cable: PVC 2x0,25 mm²

Safety rating: UI=17V - Ii=17mA - Pi=73mW - Ci=0,25uF - Li=175uH

