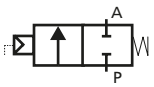
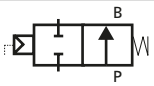
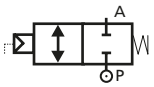
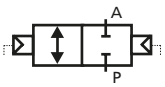
2/2 Way Piston Actuated Valve G 1/2" to 1" to Compact Version – Bronze

Specifications	
Type: CG NC flow over seat 1 → 2	
Type: RCG NO flow under seat 2 → 1	
Type: BCG NC Bi-directional flow over/under seat 1 → 2 / 2 → 1	
Type: DCG DA flow over/under seat 1 ↔ 2	
Media	Water, oil, air, steam[1]
Media Temperature	-10 to +180 °C
Ambient Temperature	-10 to +60 °C
Pilot Media[2]	Instrument air, inert gases
Actuator Body Material	Polyamide + 30% glass fiber
Body Material	Bronze (CB491K EN1982)
Bonnet Material	Brass (CW617N EN12165)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits



- Waterhammer-free design for BCG - DCG (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

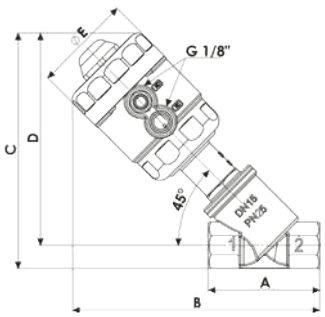
Ex II 2 G Ex h IIC T6 T4 T5 Gb

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

Options Available
NPT Connection (e.g. code CN205CTW00)
ATEX version (e.g. code CG205UTW00)

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

Dimensions & Weights		DN15	DN20	DN25
Actuator	**[mm]**	**Ø 45**		
A	[mm]	65	75	90
B	[mm]	144	149	168
C	[mm]	136	142	161
D	[mm]	123	126	141
E	[mm]	57	57	57
Weight	[kg]	0.8	0.9	1.1



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 DN25 (PN25)	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.

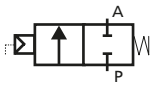
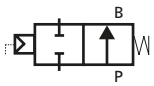
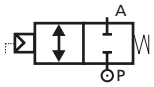
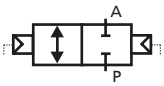
2/2 Way Piston Actuated Valve G 1/2" to 1" to Compact Version – Bronze

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]	—
CG205CTW00	1/2"	15	75	0	16	1 → 2	3.8	10	45	NC
CG206CTX00	3/4"	20	133	0	16	1 → 2	5.8	10		
CG207CTY00	1"	25	208	0	16	1 → 2	6.5	10		
RCG205CTW00	1/2"	15	75	0	16	2 → 1	4	10	45	NO
RCG206CTX00	3/4"	20	133	0	16	2 → 1	6.2	10		
RCG207CTY00	1"	25	208	0	16	2 → 1	8.8	10		
BCG205CTW00	1/2"	15	75	0	16 / 16	1 → 2 / 2 → 1	6.2 / 5	10	45	NC bidirectional
BCG206CTX00	3/4"	20	133	0	16 / 7	1 → 2 / 2 → 1	8.7 / 5	10		
BCG207CTY00	1"	25	208	0	16 / 5	1 → 2 / 2 → 1	9.5 / 5	10		
DCG205CTW00	1/2"	15	75	0	16 / 16	1 ⇔ 2	3	10	45	DA
DCG206CTX00	3/4"	20	133	0	16 / 16	1 ⇔ 2	5	10		
DCG207CTY00	1"	25	208	0	16 / 16	1 ⇔ 2	8.5	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 – Bronze

Specifications	
Type: CG NC flow over seat 1 → 2	
Type: RCG NO Flow Under Seat 2 → 1	
Type: BCG NC Bi-Directional Flow Over/Under Seat 1 → 2 / 2 → 1	
Type: DCG DA Flow Over/Under Seat 1 ↔ 2	
Media	Water, oil, air, steam[1]
Media Temperature	-10 to +180 °C
Ambient Temperature	-10 to +60 °C
Pilot Media[2]	Instrument air, inert gases
Actuator Body Material	Polyamide + 30% glass fiber
Body Material	Bronze (CB491K EN1982)
Bonnet Material	Brass (CW617N EN12165)
Seal Material	PTFE
Position Indicator	As standard

Features and Benefits

- Waterhammer-free design for BCG - DCG (with flow direction 2→1)
- Actuator housing rotation 360°
- ATEX version available

CE Ex ATEX UK CA

Ex II 2 G Ex h IIC T6 T4 T5 Gb

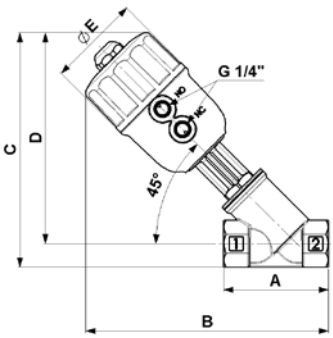
Ex II 2 D Ex h IIIC T85°C T100°C T135°C Db



Options Available
Stroke regulator assembled ex-factory, see page 33 (e.g. code CG205STWR0)
Travel switch assembled ex-factory, see page 33 (e.g. code RCG209STKI0)
NPT connection (e.g. code BCN207LTY00)
Design for vacuum applications up to 10^{-2} mbar (e.g. code DCG210STJ0V)
ATEX version (e.g. code CG205UTW00)

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
CG - RCG - BCG - DCG	DN15 to DN25 (PN25)	art. 4.3	art. 4.3
	DN32 to DN40 (PN25)	Not suitable	SEP
	DN50 (PN16)	Not suitable	SEP

⚠ **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 – Bronze

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]	—
CG205STW00	1/2"	15	87	0	20	1 → 2	3.9	10	63	NC
CG206STX00	3/4"	20	164	0	20	1 → 2	4.6	10		
CG207STY00	1"	25	260	0	20	1 → 2	5.2	10		
CG208STZ00	1 1/4"	32	410	0	16	1 → 2	5.7	10		
CG209STK00	1 1/2"	40	700	0	16	1 → 2	8.8	10		
CG210STJ00	2"	50	950	0	11	1 → 2	7.8	10		
CG207LTY00	1"	25	260	0	20	1 → 2	3	8	90	
CG208LTZ00	1 1/4"	32	410	0	16	1 → 2	3	8		
CG209LTK00	1 1/2"	40	700	0	16	1 → 2	4	8		
CG210LTJ00	2"	50	950	0	15	1 → 2	5.8	8		
RCG205STW00	1/2"	15	87	0	16	2 → 1	2.8	10	63	NO
RCG206STX00	3/4"	20	164	0	16	2 → 1	4.5	10		
RCG207STY00	1"	25	260	0	16	2 → 1	5.7	10		
RCG208STZ00	1 1/4"	32	410	0	16	2 → 1	6.7	10		
RCG209STK00	1 1/2"	40	700	0	14	2 → 1	9.2	10		
RCG210STJ00	2"	50	950	0	12	2 → 1	9.6	10		
RCG207LTY00	1"	25	260	0	16	2 → 1	4.5	7	90	
RCG208LTZ00	1 1/4"	32	410	0	16	2 → 1	4	7		
RCG209LTK00	1 1/2"	40	700	0	16	2 → 1	5.4	7		
RCG210LTJ00	2"	50	950	0	16	2 → 1	7	7		
BCG205STW00	1/2"	15	87	0	16	1 → 2 / 2 → 1	5.9 / 4.2	10	63	NC bidirectional
BCG206STX00	3/4"	20	164	0	16	1 → 2 / 2 → 1	6.4 / 4.2	10		
BCG207STY00	1"	25	260	0	16 / 11	1 → 2 / 2 → 1	6.9 / 4.2	10		
BCG208STZ00	1 1/4"	32	410	0	16 / 6	1 → 2 / 2 → 1	7 / 4.2	10		
BCG209STK00	1 1/2"	40	700	0	12 / 4	1 → 2 / 2 → 1	9.4 / 4.2	10		
BCG210STJ00	2"	50	950	0	8 / 2.5	1 → 2 / 2 → 1	9.4 / 4.2	10		
BCG207LTY00	1"	25	260	0	16 / 14	1 → 2 / 2 → 1	4 / 3.8	8	90	
BCG208LTZ00	1 1/4"	32	410	0	16 / 12	1 → 2 / 2 → 1	5 / 3.8	8		
BCG209LTK00	1 1/2"	40	700	0	16 / 8	1 → 2 / 2 → 1	6.5 / 3.8	8		
BCG210LTJ00	2"	50	950	0	14 / 6	1 → 2 / 2 → 1	7 / 3.8	8		
DCG205STW00	1/2"	15	87	0	16	2 → 1	1.8	2	63	DA
DCG206STX00	3/4"	20	164	0	16	2 → 1	2	3.8		
DCG207STY00	1"	25	260	0	16	2 → 1	3	5		
DCG208STZ00	1 1/4"	32	410	0	16	2 → 1	4.5	6		
DCG209STK00	1 1/2"	40	700	0	16	2 → 1	6.5	7		
DCG210STJ00	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