

## 2/2 WAY PISTON VALVE G 1/2" ÷ 3/4"; STAINLESS STEEL

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam <sup>(1)</sup>
Media temperature: -10°C ... +180°C
Ambient temperature: -10°C ... +60°C
Pilot media: air, inert gases, water
Body material: cast AISI 316L (ASME SA351/351M GRADE CF3M)
Bonnet material: cast AISI 316L (ASME SA351/351M GRADE CF3M)
Actuator body material: Polyamide PA6 (reinforced fiberglass 30%)
Seal material: PTFE
Position indicator as standard

### BENEFITS

Waterhammer-free design for BPG type (2 → 1)
Actuator housing rotation 360°
Design suitable for vacuum applications up to 10 <sup>-2</sup> mbar

### OPTIONS

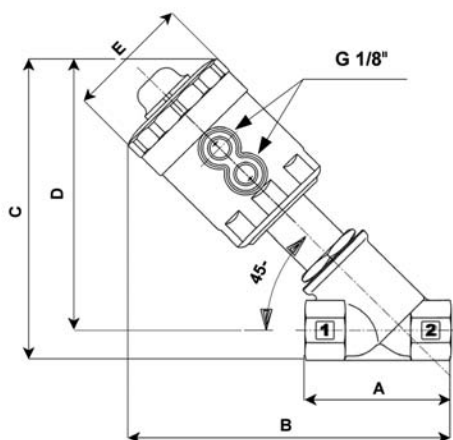
NPT connection (ex. code PN205CTW00)
Weld ends see page 16

### TYPE: COMPACT 45



SELECTION TABLE	VALVES	connection	DN orifice	Flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>		Function
	Code	(ISO 228 G)	(mm)	(l/min)	min (bar)	max (bar)		min (bar)	max (bar)	
	PG205CTW00	1/2"	15	75	0	16	1 → 2	3.8	10	normally closed
	PG206CTX00	3/4"	20	133	0	16	1 → 2	5.8	10	normally closed
	BPG205CTW00	1/2"	15	75	0	16 / 16	1 → 2 2 → 1	6.2 / 5	10	normally closed
	BPG206CTX00	3/4"	20	133	0	16 / 7	1 → 2 2 → 1	8.7 / 5	10	normally closed
	RPG205CTW00	1/2"	15	75	0	16	2 → 1	4	10	normally open
	RPG206CTX00	3/4"	20	133	0	16	2 → 1	6.2	10	normally open
	DPG205CTW00	1/2"	15	75	0	16 / 16	1 → 2 2 → 1	3	10	double acting
	DPG206CTX00	3/4"	20	133	0	16 / 16	1 → 2 2 → 1	5	10	double acting

(1) Steam: Max. working pressure 10 bar (9 barg); - (2) Minimum pilot pressure at max. working pressure; for lower working pressure see selection charts;



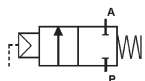
### VERSIONS

	NC normally close, over seat flow (1 → 2)
	NC normally closed, bidirectional (1 ↔ 2)
	NO normally open, under seat flow (2 → 1)
	DOUBLE ACTING, bidirectional (1 ↔ 2)

### DIMENSIONS & WEIGHTS

Connection	Actuator ø	A	B	C	D	E	weight
(ISO 228 G)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1/2"	45	65	144	136	123	57	0.8
3/4"	45	75	155	142	126	57	0.9

## 2/2 WAY PISTON VALVE G 1/2" ÷ 2"; STAINLESS STEEL



**normally closed  
flow over seat**

**TYPE: REGULAR NC**

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam<sup>(1)</sup>

Media temperature: -10°C ... +180°C

Ambient temperature: -10°C ... +60°C

Pilot media: air, inert gases, water

Body material: cast AISI 316L (ASME SA351/351M GRADE CF3M)

Bonnet material: cast AISI 316L (ASME SA351/351M GRADE CF3M)

Actuator body material: Polyamide PA6 (reinforced fiberglass 30%)

Seal material: PTFE

Position indicator as standard

Valves DN32-DN50 complying with 97/23 EC directive category I

### BENEFITS

Actuator housing rotation 360°

Design suitable for vacuum applications up to 10<sup>-2</sup> mbar

### OPTIONS

Manual override (ex. code PG205STWM0) see page 23

Flow regulator (ex. code PG210STJR0) see page 23

Travel switch (ex. code PG208LTZi0) see page 23

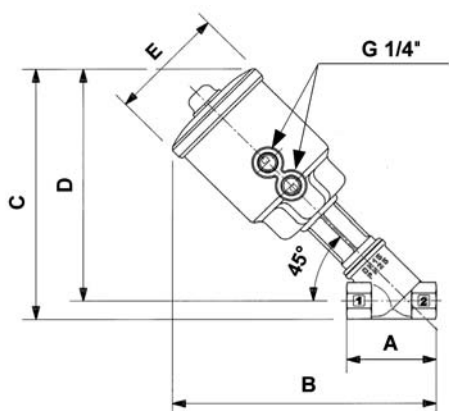
NPT connection (ex. code PN205STW00)

Weld ends see page 16



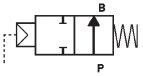
SELECTION TABLE	VALVES	connection	DN orifice	Flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>		Actuator ø
	Code	(ISO 228 G)	(mm)	(l/min)	min (bar)	max (bar)	(1 → 2)	min (bar)	max (bar)	(mm)
	PG205STW00	1/2"	15	87	0	20	over seat	3.7	10	63
	PG206STX00	3/4"	20	164	0	20	over seat	4.4	10	63
	PG207STY00	1"	25	260	0	20	over seat	5	10	63
	PG208STZ00	1 1/4"	32	410	0	16	over seat	5.9	10	63
	PG209STK00	1 1/2"	40	700	0	16	over seat	9	10	63
	PG210STJ00	2"	50	950	0	11	over seat	8	10	63
	PG207LTY00	1"	25	260	0	20	over seat	2	8	90
	PG208LTZ00	1 1/4"	32	410	0	16	over seat	3.5	8	90
	PG209LTK00	1 1/2"	40	700	0	16	over seat	4	8	90
	PG210LTJ00	2"	50	950	0	15	over seat	6.5	8	90

(1) Steam: Max. working pressure 10 bar (9 barg); - (2) Minimum pilot pressure at max. working pressure; for lower working pressure see selection charts;



DIMENSIONS & WEIGHTS	Connection	Actuator ø	A	B	C	D	E	weight
	(ISO 228 G)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
	1/2"	63	65	192	184	171	85	1.2
	3/4"	63	75	198	192	176	85	1.3
	1"	63	90	212	205	185	85	1.5
	1 1/4"	63	110	225	217	193	85	1.9
	1 1/2"	63	120	230	225	198	85	2.1
	2"	63	150	248	241	207	85	2.9
	1"	90	90	223	216	196	112	2.0
	1 1/4"	90	110	234	227	202	112	2.4
	1 1/2"	90	120	239	235	207	112	2.6
	2"	90	150	257	250	216	112	3.3

## 2/2 WAY PISTON VALVE G 1/2" ÷ 2" NORMALLY OPEN; STAINLESS STEEL



**normally open  
flow under seat**

**TYPE: REGULAR NO**

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam<sup>(1)</sup>  
 Media temperature: -10°C ... +180°C  
 Ambient temperature: -10°C ... +60°C  
 Pilot media: air, inert gases, water  
 Body material: cast AISI 316L (ASME SA351/351M GRADE CF3M)  
 Bonnet material: cast AISI 316L (ASME SA351/351M GRADE CF3M)  
 Actuator body material: Polyamide PA6 (reinforced fiberglass 30%)  
 Seal material: PTFE  
 Position indicator as standard  
 Valves DN32÷DN50 complying with 97/23 EC directive category I

### BENEFITS

Waterhammer-free design  
 Actuator housing rotation 360°  
 For vacuum applications up to 10<sup>-2</sup> mbar

### OPTIONS

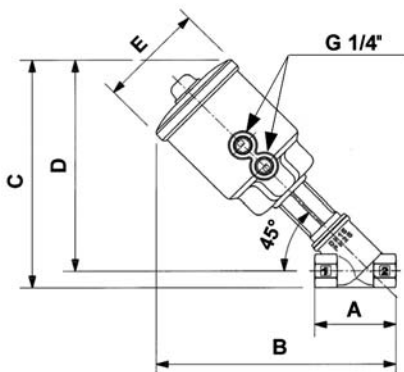
Manual override (ex. code RPG205STWM0) see page 23  
 Flow regulator (ex. code RPG210STJR0) see page 23  
 Travel switch (ex. code RPG208LTZ0) see page 23  
 NPT connection (ex. code RPN205STW00)  
 Weld ends see page 16



**SELECTION TABLE**

VALVES	connection	DN orifice	Flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>		Actuator ø
				min (bar)	max (bar)		min (bar)	max (bar)	
Code	(ISO 228 G)	(mm)	(l/min)			(2 → 1)			(mm)
RPG205STW00	1/2"	15	87	0	16	under seat	2.5	10	63
RPG206STX00	3/4"	20	164	0	16	under seat	4.3	10	63
RPG207STY00	1"	25	260	0	16	under seat	5.5	10	63
RPG208STZ00	1 1/4"	32	410	0	16	under seat	6.5	10	63
RPG209STK00	1 1/2"	40	700	0	16	under seat	9	10	63
RPG210STJ00	2"	50	950	0	12	under seat	9.4	10	63
RPG207LTY00	1"	25	260	0	16	under seat	3	8	90
RPG208LTZ00	1 1/4"	32	410	0	16	under seat	4	8	90
RPG209LTK00	1 1/2"	40	700	0	16	under seat	5	8	90
RPG210LTJ00	2"	50	950	0	16	under seat	7	8	90

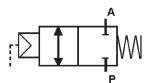
(1) Steam: Max. working pressure 10 bar (9 barg); (2) Minimum pilot pressure at max. working pressure; for lower working pressure see selection charts;



**DIMENSIONS & WEIGHTS**

Connection	Actuator ø	A	B	C	D	E	weight
(ISO 228 G)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1/2"	63	65	192	184	171	85	1.2
3/4"	63	75	198	192	176	85	1.3
1"	63	90	212	205	185	85	1.5
1 1/4"	63	110	225	217	193	85	1.9
1 1/2"	63	120	230	225	198	85	2.1
2"	63	150	248	241	207	85	2.9
1"	90	90	223	216	196	112	2.0
1 1/4"	90	110	234	227	202	112	2.4
1 1/2"	90	120	239	235	207	112	2.6
2"	90	150	257	250	216	112	3.3

## 2/2 WAY PISTON VALVE G 1/2" ÷ 2" BIDIRECTIONAL; STAINLESS STEEL



**normally closed  
flow over / under seat**

**TYPE: REGULAR BD**

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam<sup>(1)</sup>

Media temperature: -10°C ... +180°C

Ambient temperature: -10°C ... +60°C

Pilot media: air, inert gases, water

Body material: cast AISI 316L (ASME SA351/351M GRADE CF3M)

Bonnet material: cast AISI 316L (ASME SA351/351M GRADE CF3M)

Actuator body material: Polyamide PA6 (reinforced fiberglass 30%)

Seal material: PTFE

Position indicator as standard

Valves DN32÷DN50 complying with 97/23 EC directive category I

### BENEFITS

Waterhammer-free design (with flow direction 2 → 1)

Actuator housing rotation 360°

Design suitable for vacuum applications up to 10<sup>-2</sup> mbar

### OPTIONS

Manual override (ex. code BPG205STWM0) see page 23

Flow regulator (ex. code BPG210STJR0) see page 23

Travel switch (ex. code BPG208LTZI0) see page 23

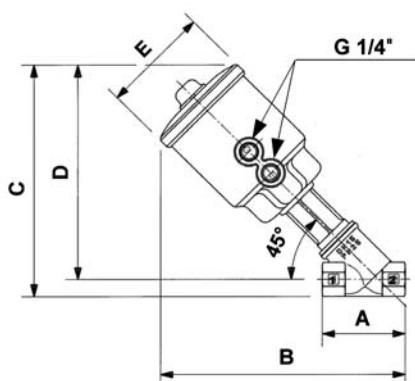
NPT connection (ex. code BPN205STW00)

Weld ends see page 16



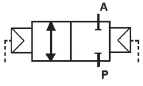
SELECTION TABLE	VALVES	connection	DN orifice	Flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>		Actuator ø
	Code	(ISO 228 G)	(mm)	(l/min)	min (bar)	max (bar)		min (bar)	max (bar)	(mm)
	BPG205STW00	1/2"	15	87	0	16	1 → 2 2 → 1	5.5 / 3.8	10	63
BPG206STX00	3/4"	20	164	0	16	1 → 2 2 → 1	6 / 3.8	10	63	
BPG207STY00	1"	25	260	0	16 / 11	1 → 2 2 → 1	6.5 / 3.8	10	63	
BPG208STZ00	1 1/4"	32	410	0	16 / 6	1 → 2 2 → 1	6.8 / 3.8	10	63	
BPG209STK00	1 1/2"	40	700	0	12 / 4	1 → 2 2 → 1	9 / 3.8	10	63	
BPG210STJ00	2"	50	950	0	8 / 2.5	1 → 2 2 → 1	9 / 3.8	10	63	
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	90	
BPG209LTK00	1 1/2"	40	700	0	16 / 8	1 → 2 2 → 1	6 / 3.3	8	90	
BPG210LTJ00	2"	50	950	0	14 / 6	1 → 2 2 → 1	8 / 3.3	8	90	

(1) Steam: Max. working pressure 10 bar (9 barg); - (2) Minimum pilot pressure at max. working pressure; for lower working pressure see selection charts;



DIMENSIONS & WEIGHTS	Connection	Actuator ø	A	B	C	D	E	weight
	(ISO 228 G)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
	1/2"	63	65	192	184	171	85	1.2
	3/4"	63	75	198	192	176	85	1.3
	1"	63	90	212	205	185	85	1.5
	1 1/4"	63	110	225	217	193	85	1.9
	1 1/2"	63	120	230	225	198	85	2.1
	2"	63	150	248	241	207	85	2.9
	1"	90	90	223	216	196	112	2.0
	1 1/4"	90	110	234	227	202	112	2.4
	1 1/2"	90	120	239	235	207	112	2.6
	2"	90	150	257	250	216	112	3.3

## 2/2 WAY PISTON VALVE G 1/2" ÷ 2" DOUBLE ACTING; STAINLESS STEEL



**double acting  
flow over / under seat**

**TYPE: REGULAR DA**

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam<sup>(1)</sup>  
 Media temperature: -10°C ... +180°C  
 Ambient temperature: -10°C ... +60°C  
 Pilot media: air, inert gases, water  
 Body material: cast AISI 316L (ASME SA351/351M GRADE CF3M)  
 Bonnet material: cast AISI 316L (ASME SA351/351M GRADE CF3M)  
 Actuator body material: Polyamide PA6 (reinforced fiberglass 30%)  
 Seal material: PTFE  
 Position indicator as standard  
 Valves DN32÷DN50 complying with 97/23 EC directive category I

### BENEFITS

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

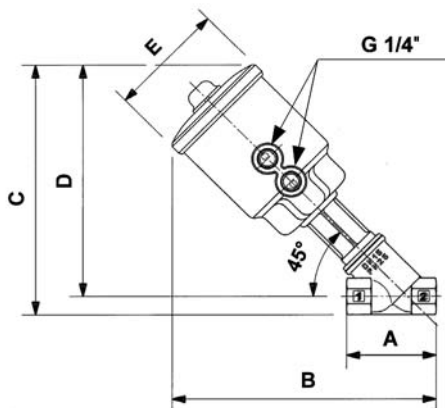
### OPTIONS

Manual override (ex. code DPG205STWM0) see page 23  
 Flow regulator (ex. code DPG210STJR0) see page 23  
 Travel switch (ex. code DPG208LTZ10) see page 23  
 NPT connection (ex. code DPN205STW00)  
 Weld ends see page 16



SELECTION TABLE	VALVES	connection	DN orifice	Flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>		Actuator ø
	Code	(ISO 228 G)	(mm)	(l/min)	min (bar)	max (bar)		min (bar)	max (bar)	(mm)
	DPG205STW00	1/2"	15	87	0	16	1 ↔ 2	1.8	2	63
DPG206STX00	3/4"	20	164	0	16	1 ↔ 2	2	3.8	63	
DPG207STY00	1"	25	260	0	16	1 ↔ 2	3	5	63	
DPG208STZ00	1 1/4"	32	410	0	16	1 ↔ 2	4.5	6	63	
DPG209STK00	1 1/2"	40	700	0	16	1 ↔ 2	6.5	7	63	
DPG210STJ00	2"	50	950	0	12	1 ↔ 2	9	10	63	

(1) Steam: Max. working pressure 10 bar (9 barg); - (2) Minimum pilot pressure at max. working pressure; for lower working pressure see selection charts;



### DIMENSIONS & WEIGHTS

Connection	Actuator ø	A	B	C	D	E	weight
(ISO 228 G)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1/2"	63	65	192	184	171	85	1.2
3/4"	63	75	198	192	176	85	1.3
1"	63	90	212	205	185	85	1.5
1 1/4"	63	110	225	217	193	85	1.9
1 1/2"	63	120	230	225	198	85	2.1
2"	63	150	248	241	207	85	2.9

## MANUAL ANGLE SEAT VALVE, G 1/2" ÷ 2"; STAINLESS STEEL

flow over / under seat

TYPE: PG MANUAL

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam<sup>(1)</sup>

Media temperature: -10°C ... +180°C

Ambient temperature: -10°C ... +60°C

Body material: cast AISI 316L (ASME SA351/351M GRADE CF3M)

Bonnet material: stainless steel AISI 316L

Seal material: PTFE

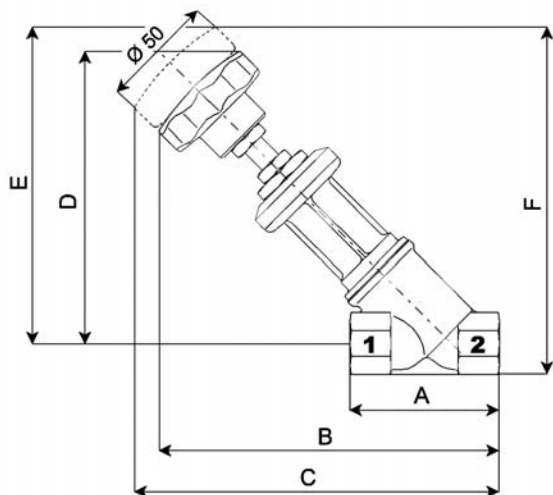
### OPTIONS

NPT connection (ex. code PN2050TW00)



SELECTION TABLE	VALVES	connection	DN orifice	Flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction
	Code	(ISO 228 G)	(mm)	(l/min)	min (bar)	max (bar)	
	PG2050TW00	1/2"	15	87	0	40	1↔2
	PG2060TX00	3/4"	20	164	0	40	1↔2
	PG2070TY00	1"	25	260	0	40	1↔2
	PG2080TZ00	1 1/4"	32	410	0	25	1↔2
	PG2090TK00	1 1/2"	40	700	0	25	1↔2
	PG2100TJ00	2"	50	916	0	16	1↔2

(1) Steam: Max. working pressure 10 bar (9 barg);



### DIMENSIONS & WEIGHTS

Connection	A	B	C	D	E	F	weight
(ISO 228 G)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1/2"	65	142	150	121	128	142	0.75
3/4"	75	148	155	126	133	150	0.80
1"	90	163	172	135	145	165	1.20
1 1/4"	110	175	188	143	156	181	1.80
1 1/2"	120	180	193	148	161	189	2.10
2"	150	198	212	157	170	205	3.10

## 2/2 WAY PISTON VALVES WITH WELDING CONNECTION; AISI 316L

TYPE: ALL TYPES

### TECHNICAL SPECIFICATIONS

See general features at pages 10, 11, 12, 13, 14

### OPTIONS

Weld connection for DIN 3239 pipe (Ex code BPF205STW00)

Manual override (Ex code PS205STWM0) see page 23

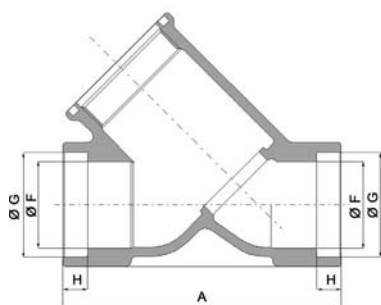
Flow regulator (Ex code BPB210STJR0) see page 23

Travel switch (Ex code RPW208LTZ10) see page 23

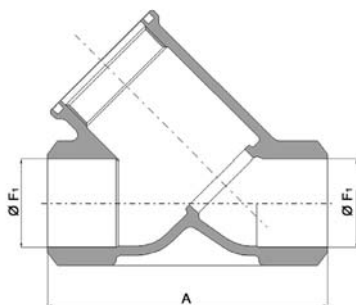


### SELECTION TABLE

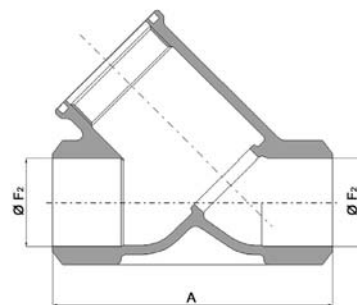
SOCKET WELD for ISO 65 / ANSI B 36.10 pipe			BUTT WELD for ISO 65 / ANSI B 36.10 pipe			BUTT WELD for DIN 11850 pipe			BUTT WELD for ISO 4200 pipe			
orifice Ø	actuator size Ø 45	actuator size Ø 63	actuator size Ø 90	actuator size Ø 45	actuator size Ø 63	actuator size Ø 90	actuator size Ø 45	actuator size Ø 63	actuator size Ø 90	actuator size Ø 45	actuator size Ø 63	actuator size Ø 90
(mm)	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
DN 15	PS205CTW00	PS205STW00	-	PB205CTW00	PB205STW00	-	PW205CTW00	PW205STW00	-	PH205CTW00	PH205STW00	-
DN 20	PS206CTX00	PS206STX00	-	PB206CTX00	PB206STX00	-	PW206CTX00	PW206STX00	-	PH206CTX00	PH206STX00	-
DN 25	-	PS207STY00	PS207LTY00	-	PB207STY00	PB207LTY00	-	PW207STY00	PW207LTY00	-	PH207STY00	PH207LTY00
DN 32	-	PS208STZ00	PS208LTZ00	-	PB208STZ00	PB208LTZ00	-	PW208STZ00	PW208LTZ00	-	PH208STZ00	PH208LTZ00
DN 40	-	PS209STK00	PS209LTK00	-	PB209STK00	PB209LTK00	-	PW209STK00	PW209LTK00	-	PH209STK00	PH209LTK00
DN 50	-	PS210STJ00	PS210LTJ00	-	PB210STJ00	PB210LTJ00	-	PW210STJ00	PW210LTJ00	-	PH210STJ00	PH210LTJ00



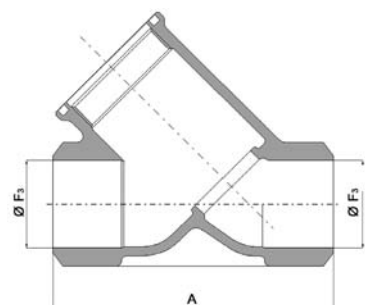
Valve with socket weld connection for ISO 65/ANSI B 36.10 pipe



Valve with butt weld connection for ISO 65/ANSI B 36.10 pipe  
Welding ends complying with ISO 6761



Valve with butt weld connection for DIN 11850 pipe  
Welding ends complying with ISO 6761



Valve with butt weld connection for ISO 4200 pipe  
Welding ends complying with ISO 6761

DIMENSIONS	actuator size Ø	orifice Ø	A	Ø F	Ø F <sub>1</sub>	Ø F <sub>2</sub>	Ø F <sub>3</sub>	Ø G	H
	(mm)	(DN)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
	45	15	65	17.4	17.4	16	18.1	22	5
	45	20	75	22.8	22.8	20	23.7	27.5	7
	63	15	65	17.4	17.4	16	18.1	22	5
	63	20	75	22.8	22.8	20	23.7	27.5	7
	63	25	90	28.3	28.3	26	29.7	34	8
	63	32	110	37.1	37.1	32	38.4	43	10
	63	40	120	42.7	42.7	38	44.3	49	12
	63	50	150	54.8	54.8	50	55.1	61.5	16
	90	25	90	28.3	28.3	26	29.7	34	8
	90	32	110	37.1	37.1	32	38.4	43	10
	90	40	120	42.7	42.7	38	44.3	49	12
	90	50	150	54.8	54.8	50	55.1	61.5	16

Note: For overall dimensions please refer to pages 10, 11, 12, 13, 14

## 2/2 WAY PISTON VALVES WITH FLANGED CONNECTION; AISI 316L

### TECHNICAL SPECIFICATIONS

See general features at pages 10, 11, 12, 13, 14 of General Catalogue

### BENEFITS

Waterhammer-free design for BPA-BPD types (flow direction 2 → 1)

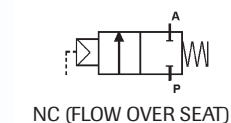
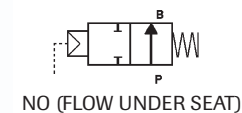
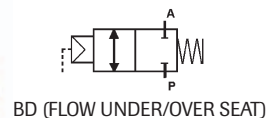
### OPTIONS

Manual override (Ex. code BPA205STW0)

Flow regulator (Ex. code PD210STJR0)

Travel switch (Ex. code RPD208LTZ0)

### TYPE: REGULAR (BD-NO-NC)

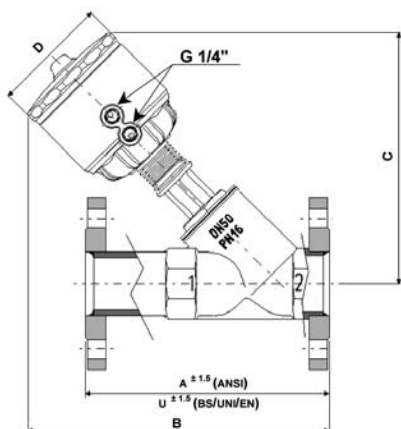


SELECTION TABLE

FLANGES TO BS 4504 (EN1092 shape B)							BODY PRESSURE (PN)	PED (COMPLIANCE)
ACTUATOR Ø 63 mm			ACTUATOR Ø 90 mm					
orifice Ø	BD	NC	NO	BD	NC	NO		
(mm)	Code	Code	Code	Code	Code	Code		
DN 15	BPD205STW00	PD205STW00	RPD205STW00	-	-	-	40	SEP.
DN 20	BPD206STX00	PD206STX00	RPD206STX00	-	-	-		
DN 25	BPD207STY00	PD207STY00	RPD207STY00	BPD207LTY00	PD207LTY00	RPD207LTY00		
DN 32	BPD208STZ00	PD208STZ00	RPD208STZ00	BPD208LTZ00	PD208LTZ00	RPD208LTZ00	25	I
DN 40	BPD209STK00	PD209STK00	RPD209STK00	BPD209LTK00	PD209LTK00	RPD209LTK00		
DN 50	BPD210STJ00	PD210STJ00	RPD210STJ00	BPD210LTJ00	PD210LTJ00	RPD210LTJ00		
DN 50	BPD210STJ00	PD210STJ00	RPD210STJ00	BPD210LTJ00	PD210LTJ00	RPD210LTJ00	16	

FLANGE CONNECTION TO ANSI B16.5 CLASS 150						
ACTUATOR Ø 63 mm			ACTUATOR Ø 90 mm			
orifice Ø	BD	NC	NO	BD	NC	NO
(mm)	Code	Code	Code	Code	Code	Code
DN 15	BPA205STW00	PA205STW00	RPA205STW00	-	-	-
DN 20	BPA206STX00	PA206STX00	RPA206STX00	-	-	-
DN 25	BPA207STY00	PA207STY00	RPA207STY00	BPA207LTY00	PA207LTY00	RPA207LTY00
DN 32	BPA208STZ00	PA208STZ00	RPA208STZ00	BPA208LTZ00	PA208LTZ00	RPA208LTZ00
DN 40	BPA209STK00	PA209STK00	RPA209STK00	BPA209LTK00	PA209LTK00	RPA209LTK00
DN 50	BPA210STJ00	PA210STJ00	RPA210STJ00	BPA210LTJ00	PA210LTJ00	RPA210LTJ00



DIMENSIONS & WEIGHTS

Ø orifice	Ø actuator	A* (ANSI)	U* (UNI)	B	C	D	weight
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
DN 15	63	139.7	130	218	194	85	2,6
DN 20	63	152.4	150	236	210	85	3,0
DN 25	63	165.1	160	239	208	85	3,8
DN 32	63	184.2	180	252	216	85	5,6
DN 40	63	203.2	200	257	220	85	6,9
DN 50	63	228.6	230	275	230	85	8,7
DN 25	90	165.1	160	250	219	112	4,4
DN 32	90	184.2	180	263	227	112	6,0
DN 40	90	203.2	200	268	232	112	6,9
DN 50	90	228.6	230	286	240	112	9,1

A: face to face to ANSI B 16.10

U: face to face to EN 558-1

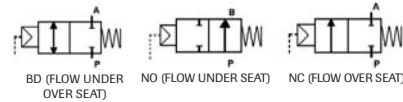


## 2/2 WAY PISTON VALVE WITH CLAMP-END CONNECTION; AISI 316L

### TECHNICAL SPECIFICATIONS

Media: water, oil, air, aggressive media and steam
Media temperature: -10°C ... +180°C
Ambient temperature: -10°C ... +60°C
Pilot media: air, inert gases
Body material: AISI 316L (ASME SA351/351M GRADE CF3M)
Clamp material: AISI 316L (ASME SA351/351M GRADE CF3M)
Bonnet material: AISI 316L (ASME SA351/351M GRADE CF3M)
Actuator body material: Polyamide PA6 (reinforced fibreglass 30%)
Seal material: PTFE
Position indicator as standard
Gasket and clamp not included
Connection to ISO 2852 or ASME BPE

### TYPE: COMPACT E REGULAR (BD-NO-NC)



### BENEFITS

Waterhammer-free design for BPC version (with flow direction 2→1)
Actuator housing rotation 360°
Design suitable for vacuum applications up to 10 <sup>-2</sup> mbar

### OPTIONS

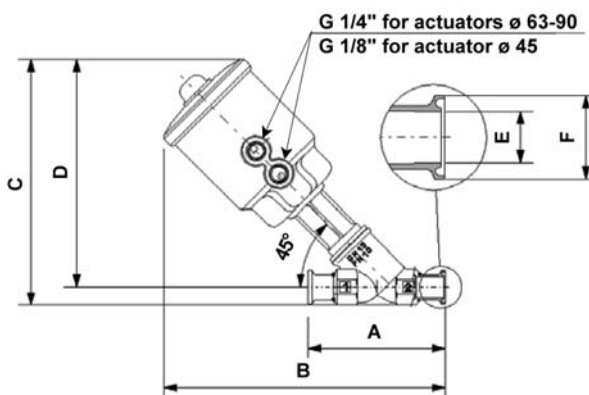
Manual override (Ex code BPC205STWM0)
Stroke regulator (Ex code PC210STJR0)
Travel switch (Ex code RPC208LTZJ0)

### SELECTION TABLE

ISO 2852									
orifice Ø	ACTUATOR Ø 45 mm			ACTUATOR Ø 63 mm			ACTUATOR Ø 90 mm		
	BD	NC	NO	BD	NC	NO	BD	NC	NO
(mm)	Code	Code	Code	Code	Code	Code	Code	Code	Code
DN 15	BPC205CTW00	PC205CTW00	RPC205CTW00	BPC205STW00	PC205STW00	RPC205STW00	-	-	-
DN 20	BPC206CTX00	PC206CTX00	RPC206CTX00	BPC206STX00	PC206STX00	RPC206STX00	-	-	-
DN 25	-	-	-	BPC207STY00	PC207STY00	RPC207STY00	BPC207LTY00	PC207LTY00	RPC207LTY00
DN 32	-	-	-	BPC208STZ00	PC208STZ00	RPC208STZ00	BPC208LTZ00	PC208LTZ00	RPC208LTZ00
DN 40	-	-	-	BPC209STK00	PC209STK00	RPC209STK00	BPC209LTK00	PC209LTK00	RPC209LTK00
DN 50	-	-	-	BPC210STJ00	PC210STJ00	RPC210STJ00	BPC210LTJ00	PC210LTJ00	RPC210LTJ00

ASME BPE									
orifice Ø	ACTUATOR Ø 45 mm			ACTUATOR Ø 63 mm			ACTUATOR Ø 90 mm		
	BD	NC	NA	BD	NC	NA	BD	NC	NA
(mm)	Code	Code	Code	Code	Code	Code	Code	Code	Code
DN 15	BPP205CTW00	PP205CTW00	RPP205CTW00	BPP205STW00	PP205STW00	RPP205STW00	-	-	-
DN 20	BPP206CTX00	PP206CTX00	RPP206CTX00	BPP206STX00	PP206STX00	RPP206STX00	-	-	-
DN 25	-	-	-	BPP207STY00	PP207STY00	RPP207STY00	BPP207LTY00	PP207LTY00	RPP207LTY00
DN 40	-	-	-	BPP209STK00	PP209STK00	RPP209STK00	BPP209LTK00	PP209LTK00	RPP209LTK00
DN 50	-	-	-	BPP210STJ00	PP210STJ00	RPP210STJ00	BPP210LTJ00	PP210LTJ00	RPP210LTJ00



### DIMENSIONS & WEIGHTS

orifice Ø	Ø act.	A		B		C		D	E		F		weight ISO	weight ASME
		ISO	ASME	ISO	ASME	ISO	ASME		ISO	ASME				
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)	(Kg)
DN 15	45	102	102	162	162	140	136	123	172	9,4	34	25	0,83	0,83
DN 20	45	114	114	167	167	142	138	125	21,3	15,75	34	25	1,10	1,10
DN 15	63	102	102	210	210	187	183	170	172	9,4	34	25	1,3	1,3
DN 20	63	114	114	217	217	193	189	176	21,3	15,75	34	25	1,5	1,5
DN 25	63	140	140	231	231	211	211	185	25	22,1	50,5	50,5	1,8	1,8
DN 32	63	159	ND	240	ND	218	ND	192	33,7	ND	50,5	-	2,4	-
DN 40	63	159	159	249	249	229	223	197	40	34,8	64	50,5	2,8	2,8
DN 50	63	190	190	267	267	240	240	206	51	47,5	64	64	3,6	3,6
DN 25	90	140	140	243	243	222	222	196	25	22,1	50,5	50,5	2,4	2,4
DN 32	90	159	ND	251	ND	230	ND	204	33,7	ND	50,5	-	2,8	-
DN 40	90	159	159	260	260	241	235	209	40	34,8	64	50,5	3,2	3,2
DN 50	90	190	190	279	279	251	251	217	51	47,5	64	64	4,0	4,0

## PERFORMANCE TABLE ASME BPE VERSION

BD	VALVE	actuator Ø	DN orifice	flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>	
	Code	(mm)	(mm)	(l/min)	min (bar)	max (bar)		min (bar)	max (bar)
	BPP205CTW00	45	15	50	0	10	1 → 2 / 2 → 1	6.2 / 5	10
BPP206CTX00	45	20	120	0	10	1 → 2 / 2 → 1	8.7 / 5	10	
BPP205STW00	63	15	50	0	10	1 → 2 / 2 → 1	5.5 / 3.8	10	
BPP206STX00	63	20	135	0	10	1 → 2 / 2 → 1	6 / 3.8	10	
BPP207STY00	63	25	250	0	10	1 → 2 / 2 → 1	6.5 / 3.8	10	
BPP209STK00	63	40	640	0	10	1 → 2 / 2 → 1	9 / 3.8	10	
BPP210STJ00	63	50	730	0	10	1 → 2 / 2 → 1	9 / 3.8	10	
BPP207LTY00	90	25	250	0	10	1 → 2 / 2 → 1	4 / 3.3	8	
BPP209LTK00	90	40	640	0	10	1 → 2 / 2 → 1	6 / 3.3	8	
BPP210LTJ00	90	50	730	0	10	1 → 2 / 2 → 1	8 / 3.3	8	

NC	VALVE	actuator Ø	DN orifice	flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>	
	Code	(mm)	(mm)	(l/min)	min (bar)	max (bar)	(1 → 2)	min (bar)	max (bar)
	PP205CTW00	45	15	50	0	10	over seat	3.8	10
PP206CTX00	45	20	120	0	10	over seat	5.8	10	
PP205STW00	63	15	50	0	10	over seat	3.7	10	
PP206STX00	63	20	135	0	10	over seat	4.4	10	
PP207STY00	63	25	250	0	10	over seat	5.9	10	
PP209STK00	63	40	640	0	10	over seat	9	10	
PP210STJ00	63	50	730	0	10	over seat	8	10	
PP207LTY00	90	25	250	0	10	over seat	2	8	
PP209LTK00	90	40	640	0	10	over seat	4	8	
PP210LTJ00	90	50	730	0	10	over seat	6.5	8	

NA	VALVE	actuator Ø	DN orifice	flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>	
	Code	(mm)	(mm)	(l/min)	min (bar)	max (bar)	(2 → 1)	min (bar)	max (bar)
	RPP205CTW00	45	15	50	0	10	under seat	4	10
RPP206CTX00	45	20	120	0	10	under seat	6.2	10	
RPP205STW00	63	15	50	0	10	under seat	2.5	10	
RPP206STX00	63	20	135	0	10	under seat	4.3	10	
RPP207STY00	63	25	250	0	10	under seat	5.5	10	
RPP209STK00	63	40	640	0	10	under seat	9	10	
RPP210STJ00	63	50	730	0	10	under seat	9.4	10	
RPP207LTY00	90	25	250	0	10	under seat	3	8	
RPP209LTK00	90	40	640	0	10	under seat	5	8	
RPP210LTJ00	90	50	730	0	10	under seat	7	8	

(1) steam: working pressure max 10 bar (9 barg);

(2) Minimum pilot pressure at max working pressure; for lower working pressure see selection chart of "PAV" M&M Catalogue  
For the different code e.g. PP205STW00 see the equivalent code PG205STW00.

## PERFORMANCE TABLE ISO 2852 VERSION

BD	VALVE	actuator Ø	DN orifice	flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>	
	Code	(mm)	(mm)	(l/min)	min (bar)	max (bar)		min (bar)	max (bar)
	BPC205CTW00	45	15	65	0	10	1 → 2 / 2 → 1	6.2 / 5	10
BPC206CTX00	45	20	120	0	10	1 → 2 / 2 → 1	8.7 / 5	10	
BPC205STW00	63	15	85	0	10	1 → 2 / 2 → 1	5.5 / 3.8	10	
BPC206STX00	63	20	160	0	10	1 → 2 / 2 → 1	6 / 3.8	10	
BPC207STY00	63	25	260	0	10	1 → 2 / 2 → 1	6.5 / 3.8	10	
BPC208STZ00	63	32	420	0	10	1 → 2 / 2 → 1	6.8 / 3.8	10	
BPC209STK00	63	40	700	0	10	1 → 2 / 2 → 1	9 / 3.8	10	
BPC210STJ00	63	50	810	0	10	1 → 2 / 2 → 1	9 / 3.8	10	
BPC207LTY00	90	25	260	0	10	1 → 2 / 2 → 1	4 / 3.3	8	
BPC208LTZ00	90	32	420	0	10	1 → 2 / 2 → 1	5 / 3.3	8	
BPC209LTK00	90	40	700	0	10	1 → 2 / 2 → 1	6 / 3.3	8	
BPC210LTJ00	90	50	810	0	10	1 → 2 / 2 → 1	8 / 3.3	8	

NC	VALVE	actuator Ø	DN orifice	flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>	
	Code	(mm)	(mm)	(l/min)	min (bar)	max (bar)	(1 → 2)	min (bar)	max (bar)
	PC205CTW00	45	15	65	0	10	over seat	3.8	10
PC206CTX00	45	20	120	0	10	over seat	5.8	10	
PC205STW00	63	15	85	0	10	over seat	3.7	10	
PC206STX00	63	20	160	0	10	over seat	4.4	10	
PC207STY00	63	25	260	0	10	over seat	5.9	10	
PC208STZ00	63	32	420	0	10	over seat	9	10	
PC209STK00	63	40	700	0	10	over seat	9	10	
PC210STJ00	63	50	810	0	10	over seat	8	10	
PC207LTY00	90	25	260	0	10	over seat	2	8	
PC208LTZ00	90	32	420	0	10	over seat	3.5	8	
PC209LTK00	90	40	700	0	10	over seat	4	8	
PC210LTJ00	90	50	810	0	10	over seat	6.5	8	

NA	VALVE	actuator Ø	DN orifice	flow rate Kvs	Working pressure <sup>(1)</sup>		Flow direction	Pilot pressure <sup>(2)</sup>	
	Code	(mm)	(mm)	(l/min)	min (bar)	max (bar)	(2 → 1)	min (bar)	max (bar)
	RPC205CTW00	45	15	65	0	10	under seat	4	10
RPC206CTX00	45	20	120	0	10	under seat	6.2	10	
RPC205STW00	63	15	85	0	10	under seat	2.5	10	
RPC206STX00	63	20	160	0	10	under seat	4.3	10	
RPC207STY00	63	25	260	0	10	under seat	5.5	10	
RPC208STZ00	63	32	420	0	10	under seat	6.5	10	
RPC209STK00	63	40	700	0	10	under seat	9	10	
RPC210STJ00	63	50	810	0	10	under seat	9.4	10	
RPC207LTY00	90	25	260	0	10	under seat	3	8	
RPC208LTZ00	90	32	420	0	10	under seat	4	8	
RPC209LTK00	90	40	700	0	10	under seat	5	8	
RPC210LTJ00	90	50	810	0	10	under seat	7	8	

(1) steam: working pressure max 10 bar (9 barg);

(2) Minimum pilot pressure at max working pressure; for lower working pressure see selection chart of "PAV" M&M Catalogue

For the different code e.g. PC205STW00 see the equivalent code PG205STW00.