

Pneumatic Control Valve In Two Way Form PN 16/25, 1.4308 G-X6CrNi18 9

Body: 1.4308 (A351 CF8 ASTM), 2 Way Form

- For Water & Steam
- Pressure Range: PN 16, PN 25
- Flanges Acc, To DIN (As Standard)
- Spindle Sealing: Spring Loaded PTFE-V-Ring Packing + Graphite
- For Media Temperature Up To 200°C
- Internert Part: Stainless Steel **Equal Percentage**
- Leakage: Acc. To Class IV

Valve Seat Design

- Unbalanced Parabolic Column Plug Top Guided Type.
- Metal To Metal Seat 1.4571

Actuator: Diaphragm Area: 180cm² To 720cm², Ø270mm To Ø400mm

- Control Signal / Closing Pressure
- Operating Mode (Reversible)
- Standard: Spring Closes N/C
- Optional: Spring Opens N/O
- Air Connection: G1/8" (DA1 & DA2), G1/4 (DA3)
- Operating Pressure: Standard Type: Min. 3 Bar, Max. 6 Bar
Reference Guide: 3 Units Springs 3 - 6 Bar
: 6 Units Springs 4.5 - 6 Bar



Accessories

- Positioner
- Electro-Pneumatic Transformer
- Limit Switch

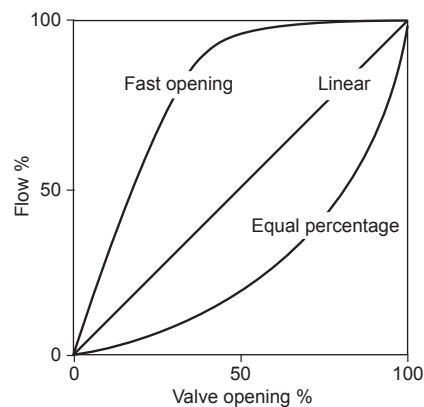
DN	Model No		Kvs	Stroke	Actuator Type	Pneumatic Signal	Max. Operating Temp.
	N/C	N/O					
15	737 200	737 201	4	16	DA1	3 (4.5) to 6 Bar	200°C
20	737 300	737 301	4	16	DA1	3 (4.5) to 6 Bar	200°C
25	737 400	737 401	10	16	DA1	3 (4.5) to 6 Bar	200°C
32	737 500	737 501	10	16	DA1	3 (4.5) to 6 Bar	200°C
40	737 600	737 601	25	16	DA2	3 (4.5) to 6 Bar	200°C
50	737 700	737 701	40	16	DA2	3 (4.5) to 6 Bar	200°C
65	737 800	737 801	63	16	DA2	3 (4.5) to 6 Bar	200°C
80	737 900	737 901	100	30	DA3	3 (4.5) to 6 Bar	280°C
100	737 A00	737 A01	160	30	DA3	3 (4.5) to 6 Bar	280°C

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PCV-737 Valve Characteristic - Options:

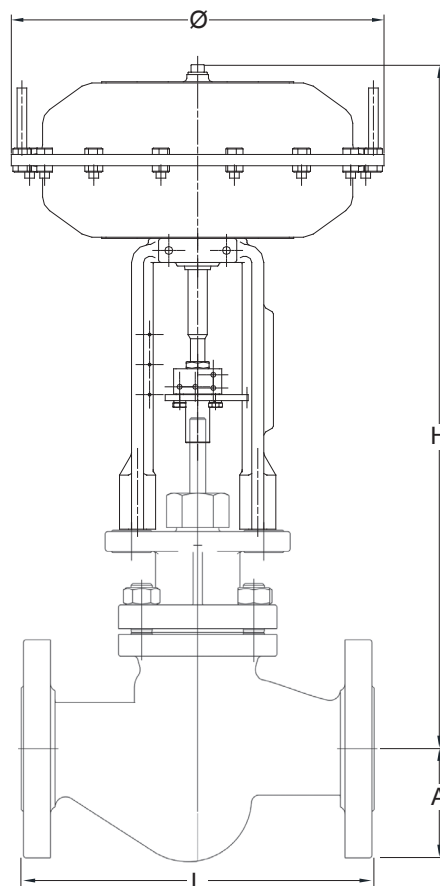
PCV-E	Equal Percentage (E)
	• Suitable for most modulating process control applications providing good control at all flowrates.
PCV-F	Fast Opening (F)
	• For on / off applications only.
PCV-L	Linear (L)
	• Primarily for liquid flow control where the differential pressures across the valve is constant.

Typical flow characteristic curves



TECHNICAL DATA

Plug design		Parabolic	
Leakage	Metal-to-metal	Balanced	Class IV
		Unbalanced	Class VI
	Soft seal		
Rangeability		50:1	
Travel	DN15 to DN65	16 mm	
	DN80 to DN100	30 mm	



Dimension (mm)

DN	15	20	25	32	40	50	65	80	100
Height (H)	480	480	480	480	480	480	480	665	700
Center (A)	46	51	55	65	73	77	90	107	137
Length (L)	130	150	194	200	220	254	276	298	350
Actuator Type	DA1	DA1	DA1	DA1	DA2	DA2	DA2	DA3	DA3
Diameter Ø	250	250	250	250	270	270	270	400	400
Weight (Kg)	20.5	22.5	23	24	31	33	41.5	96	119