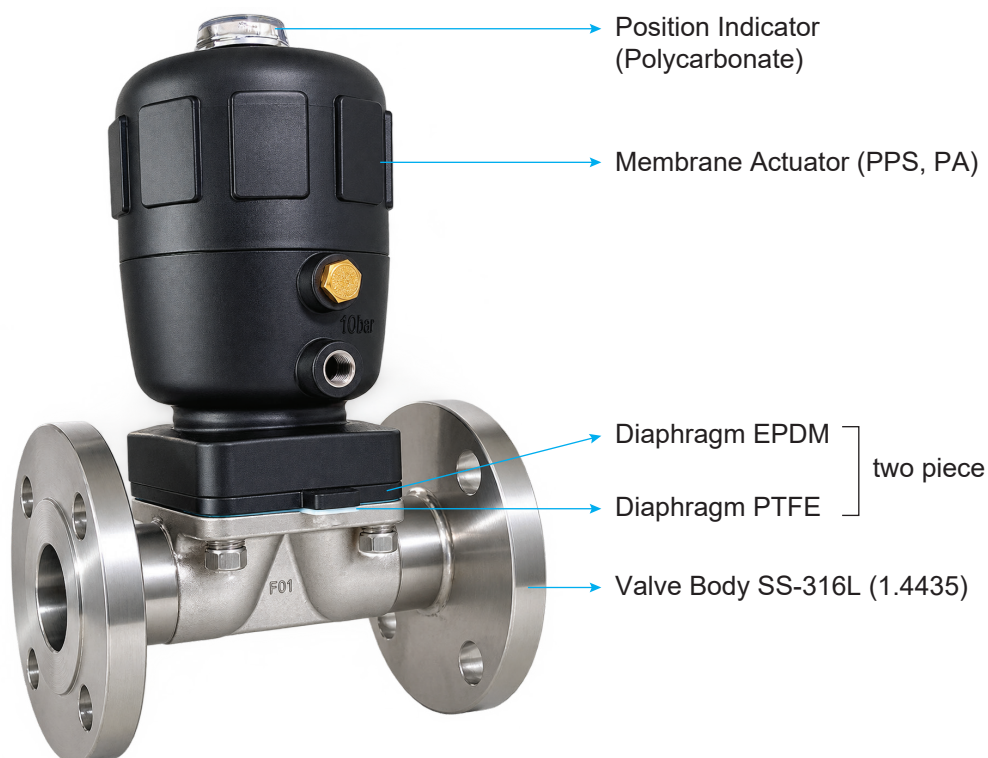


Pneumatically Operated Diaphragm Valve PDV Series

Standard Model: PDV-S6PTFE+EPDM-150L-XXX



■ DESCRIPTION

The **Fellbach PDV Series** 2/2-way diaphragm valve has a low-maintenance membrane actuator and is pneumatically operated. Normally Closed (NC), Normally Open (NO) and Double Acting (DA) control functions are available.

The **Fellbach PDV Series** externally controlled diaphragm valve consists of pneumatically operated piston actuator with SS-316L valve body ensure reliable operation in hygienic or aggressive environments.

■ TECHNICAL SPECIFICATION

Media Temperature	: -10 to 80°C
Ambient Temperature	: 0 to 60°C
Operating Pressure	: 0 to 10 bar
Nominal Sizes	: DN 15 to 65
Body Configurations	: 2/2-way body
Connection Standards	: ANSI / ASME
Connection Types	: Flange / Connection
Body Materials	: 1.4435 (316L), investment casting material, PFA lined
Diaphragm Materials	: PTFE + EPDM (two-piece)

Pneumatically Operated Diaphragm Valve PDV Series

Standard Model: PDV-S6PTFE+EPDM-150L-XXX

■ TECHNICAL DATA

Working Medium:

Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body and diaphragm material.

The valve will seal in both flow directions up to full operating pressure (gauge pressure).

Control Medium: Compress Air

Media Temperature: PTFE / EPDM, -10°C ~ 80°C

Ambient Temperature: 0 ~ 60°C

■ OPERATING PRESSURE

Actuator Ø Size	DN	EPDM	PTFE
50mm	15	0-10 bar	0-10 bar
63mm	20	0-10 bar	0-10 bar
80mm	25	0-10 bar	0-10 bar
80mm	32	0-10 bar	0-10 bar
100mm	40	0-10 bar	0-10 bar
100mm	50	0-10 bar	0-10 bar
100mm	65	0-10 bar	0-10 bar

■ CONTROL PRESSURE (COMPRESS AIR)

Actuator Ø Size	DN	EPDM	PTFE
50mm	15	5.5 bar	5.5 bar
63mm	20	5.5 bar	5.5 bar
80mm	25	5.5 bar	5.5 bar
80mm	32	5.5 bar	5.5 bar
100mm	40	5 bar	5 bar
100mm	50	5 bar	5 bar
100mm	65	5 bar	5 bar

■ DIAPHRAGM KIT

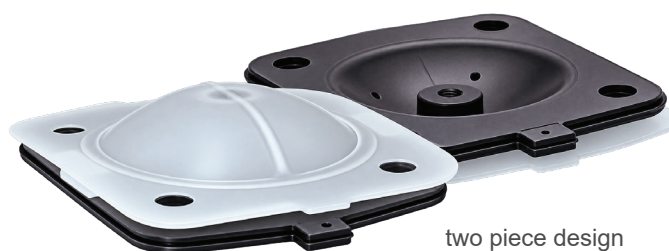
PTFE + EPDM Diaphragm

Feature

- Fabric reinforced EPDM backing
- Excellent long-term tightness and vacuum compatibility thanks to improved geometry
- Extremely long service life

Description

The diaphragm has a two-piece design and comprises a PTFE face and a peroxide cured EPDM backing. For highly permeating media. This material offers maximum chemical resistance and also features a considerably lower level of wear under steam conditions.



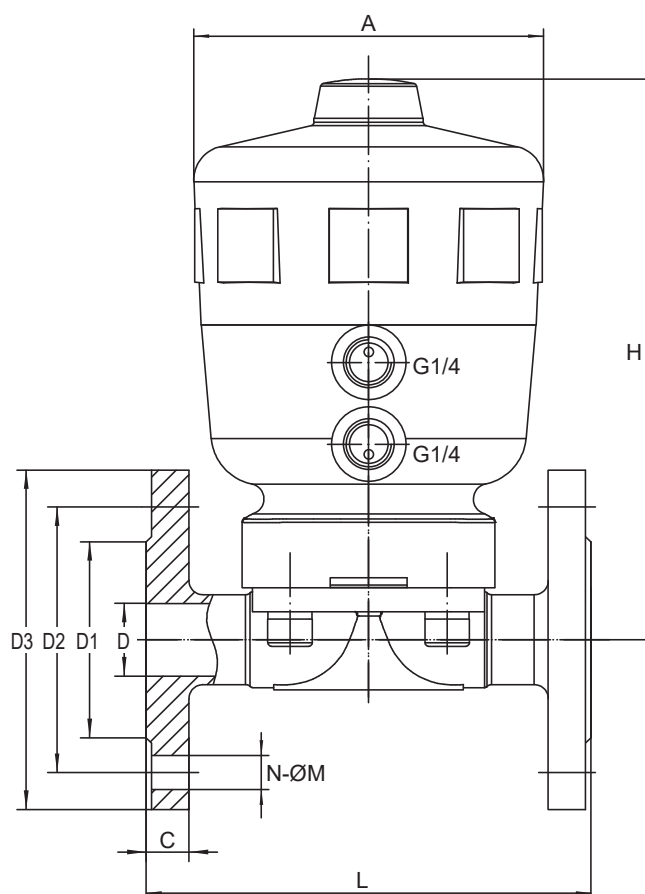
two piece design

Pneumatically Operated Diaphragm Valve PDV Series

Standard Model: PDV-S6PTFE+EPDM-150L-XXX

■ TECHNICAL SPECIFICATIONS

Applicable Temperature	: -20°C to 150°C
Nominal Pressure	: 150 LB
Control Type	: Pneumatic
Control Medium	: Neutral Gas, Air
Air Supply Pressure	: 4 bar - 8 bar
Valve Body Material	: CF3M (SS-316L)
Cylinder Material	: Polyamide (PA)
Diaphragm Material	: PTFE + EPDM
Valve Stem Material	: 304 Stainless Steel
Connection Type	: Flanged
Connection Standard	: ASME B16.5



PCD

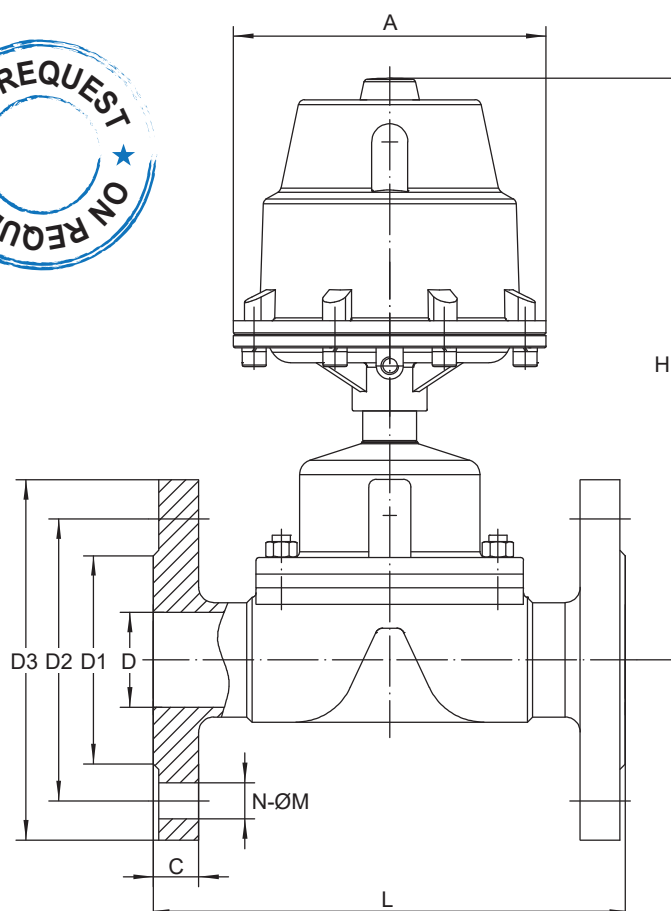
Model	L	D	D1	D2	D3	C	N-ØM	H	A	Actuator Ø
DN15	100	9.4	34.9	60.3	90	11.6	4 - Ø16	125	64	Ø50
DN20	130	15.8	42.9	69.9	100	13.2	4 - Ø16	147	80	Ø63
DN25	140	22.1	50.8	79.4	110	14.7	4 - Ø16	170	100	Ø80
DN32	155	28.5	63.5	88.9	115	16.3	4 - Ø16	175	100	Ø80
DN40	180	34.8	73	98.4	125	17.9	4 - Ø16	225	126	Ø100
DN50	210	47.5	92.1	120.7	150	19.5	4 - Ø19	238	126	Ø100
DN65	235	60.2	104.8	139.7	180	22.7	4 - Ø19	251	126	Ø100

Pneumatically Operated Diaphragm Valve PDV Series

Standard Model: PDV-S6PTFE+EPDM-150L-XXX

■ TECHNICAL SPECIFICATIONS

Applicable Temperature	: -20°C to 150°C
Nominal Pressure	: 150 LB
Control Type	: Pneumatic
Control Medium	: Neutral Gas, Air
Air Supply Pressure	: 4 bar - 8 bar
Valve Body Material	: CF3M + FDA
Cylinder Material	: YL113
Diaphragm Material	: PTFE + EPDM
Valve Stem Material	: 304 Stainless Steel
Connection Type	: Flanged
Connection Standard	: ASME B16.5



PCD

Model	L	D	D1	D2	D3	C	N-ØM	H	A	Actuator Ø
DN80	275	72.2	127	152.4	190	24.3	4 - Ø19	391	220	Ø160
DN100	340	97.4	158	180	220	20	8 - Ø18	418	220	Ø160