

# "PDV" Manual Pneumatic Operated Pharma Diaphragm Valve

**"aira"** Offers Manual Hand Wheel Operated Investment Casted Diaphragm Valve For Your Bio Pharma

## Specifications

"aira" Hand Operated Valves are Available in Following Configuration

PDV-T	Tri-clamp Body To ISO 2852-1933(e)
PDV-S	Screwed End

## Finish

Screwed	Internal 0.2 to 0.4 Ra. External 0.8 Ra
Tri-clamp Bodies	Electro Polished
Working Press	Please Refer To Table Below.

## Design Feature

Hermetically Sealed Flow Path in the Body and Bonnet. Proper Selections of Diaphragms Provide, Precision Control of Critical of Ultra Pure Fluids. Fluids are Completely Isolated from The Actuator and Environment. Hygienic Design, Bi-directional Flow, Body for Low Turbulence. Also for Steam Sterilizing.

## Applications

Biotechnology, Ideally Suitable For Liquids, Highly Lustrous, Cosmetics Pharmaceutical Industries, Finish and Aesthetical Appearance, Food Industry Liquids Contaminated With Lubricants and Grit Particles. Viscous Liquids, Process Control Technology.

**Note :** Pneumatic Operated PDV also available on Req.

## Technical Specifications

SR. NO.	DESCRIPTION	MATERIAL	QTY.
01	VALVE BODY	ASTM A 351 CF8/CF 8M/CF3/CF3M	01
02	DIAPHRAGM	PTFE BACKED NBR BY Temp 155 °C	01
03	COMPRESSOR	ASTM A 351 CF8 (304)	01
04	RETAINER	NYLON	01
05	STEM	EN8 + BLACKENING	01
06	BONNET	C.I / S.S.	01
07	INDICATOR SLEEVE	P.P. (YELLOW)	01
08	WASHER	S.S. 304	02
09	TAPPER SPRING	SPRING STEEL	01
10	HANDLE WHEEL	S.S. / PLASTIC	01
11	DOWEL PIN	S.S. 304	01
12	ELEN BOLT	C.S. / S.S.	04

## Screwed End

SIZE	15mm	20mm	25mm	40mm	50mm
Model	PDV-S-15	PDV-S-20	PDV-S-25	PDV-S-40	PDV-S-50
H	72.5	88	109	143.9	166
L	80	92	108	140	175
D	61.8	61.8	78.5	120	120
TH.	1/2" NPT.	3/4" NPT.	1 NPT.	1 1/2" NPT.	2" NPT.
KV	5.0	12.5	22.0	42	72
M <sup>3</sup> /hr.					
WP at One End	10	10	10	10	10
WP at Other End	10	10	10	10	10
Weight Approx	0.300	0.920	1.440	2.780	3.940

## Tri Clover End

SIZE	15mm	20mm	25mm	40mm	50mm
Model	PDV-T-15	PDV-T-20	PDV-T-25	PDV-T-40	PDV-T-50
H	85	85	92	140	115
L	75	115	115	177	180
D	61.8	61.8	78.5	120	120
ØE	25	50.5	50.5	50.5	64
ØF	10	17	22.5	35.5	48
ØJ	21	46	46	46	59.5
ØK	17	42	42	42	55.5
A	3	3	3	3	3
KV	5.0	12.5	22.0	42.0	72
M <sup>3</sup> /hr.					
WP at One End		10	10	10	10
WP at Other End	10	10	10	10	10
Weight Approx	0.300	0.920	1.440	2.780	3.940

