

**FLOW-TEK VALVES  
& CONTROLS INC.**



AN ISO 9001 : 2008 CERTIFIED COMPANY

MANUFACTURER & EXPORTER OF

**Flow-age**

MAKE SPECIALISED INDUSTRIAL VALVES

DIAPHRAGM VALVE



Flow-age

" All Types of Valve for whole Project"

[www.flowagevalves.com](http://www.flowagevalves.com)

# DIAPHRAGM VALVE

## GENERAL INTRODUCTION:

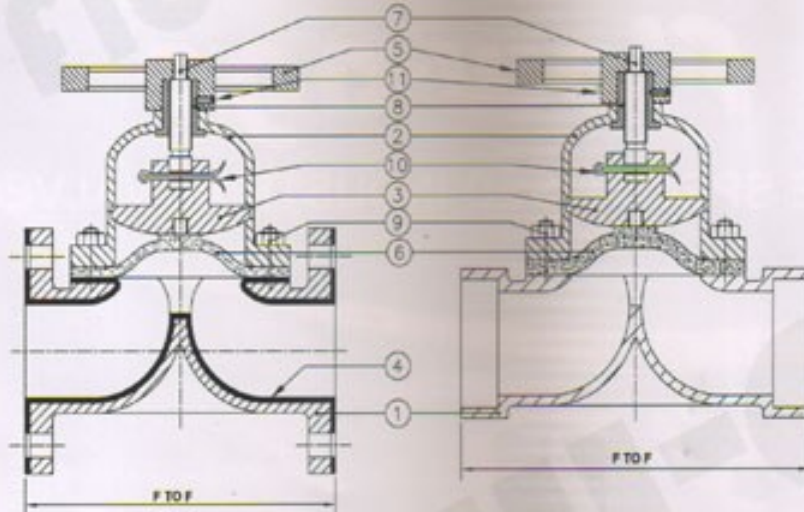
"Flow age" Diaphragm Valves have been developed to satisfy market demand for a valve to handle sludge, slurries and give high flow performance with minimum turbulence, while giving 100% leak tight closure.

A wide choice of materials, methods of operation and body connections meet the needs of most industrial applications. Extended life, reliability, safety and ease of use, combined with essentially simple design, result in low maintenance for minimum running costs. "Flow-Tek" straight through bore Diaphragm Valves (DN 15 To DN 350) positively benefit your company with a unique range of features.

All the valves are manufacturing as per international Design and standards to get the Total Interchangeable, Finest Quality and Workmanship.

## CHOICE OF DIAPHRAGMS:

Diaphragm life depends not only upon the nature of the fluid handled but also upon the temperature, pressure and frequency of operations.



## DESIGN DESCRIPTION:

- DESIGN STD. : BS 5156
- DIAPHRAGM VALVES : ANSI B 16.34
- FACE TO FACE : ANSI B 16.10
- END DRILLED : ANSI B 16.5
- BUTT WELD ENDS : ANSI B 16.25
- INSPECTION AND TEST : BS 5156

## DIMENSION (F T O F)

VALVE SIZE	15	20	25	40	50	65	80	100	125	150	200	250	300
A	114	123	133	165	198	227	260	313	364	414	529	645	759
T	3.0						4.0			5.0			
TEST PRESSURE (IN BAR)													
SHELL	21.00	18.00	15.75	12.25	10.50	7.50	6.50						
SEAT	14.00	12.00	10.50	8.75	7.00	5.00	4.25						
NR SEAT	5.00												

ALL DIMENSION ARE IN MM.

## NOMENCLATURE:

PART NO	PART NAME	MATERIAL
1	BODY	C.I. TO IS 210 FG 200 / 220 / 260 / WC6/ ASTM A 216 GR.WCB /ASTM A 105/
2	BONNET	ASTM A 351 GR.CF8 / ASTM A 182 GR.F-304 /AISI 304 ASTMA351 GR.CF8M /ASTMA 182 GR.F-316 /AISI 316
3	COMPRESSOR	C.I. TO IS 210 GR. FG 200 /8M / 3 / 3M / CN-7
4	BODY LINING	EBONITE / P.T.F.E / NEOPRENE / HYPALON / BUTYLE
5	HAND WHEEL	C.I. TO IS 210 GR. FG 220
6	DIAPHRAGM	NEOPRENE / BUTYLE / NEOPRENE WITH TEFLON COATED
7	STEM	AISI 410 / 316 / 304 / 316L / 304L / C.S.
8	STEM NUT	GUN METAL / BRASS / C.S.
9	NUT & BOLT	ASTMA 193 GR B7 / 194 GR. 2H / S.S. 304 / 316 / C.S.
10	COTTER PIN	CARBON STEEL / S.S.
11	GRUB SCREW	

## DIAPHRAGM MATERIALS AND CONFIGURATIONS

GRADE	MATERIAL	TEMP °C		TYPICAL SERVICES
		MIN.	MAX.	
A	Natural Rubber	-30	80	Water, Gases, Sewage, Slurry Sludge, Brine, Acids, Alkalis, Salts
WA	White Natural Rubber	-10	80	Pigments/Pharmaceuticals
N	Neoprene	-25	95	Weak Chemicals, Hot Compressed Air, Acids, Alkalis, Oils
E	Ethylene Propylene	-30	150	Chemicals, Acids, Abrasives
B	Black Butyl	-25	120	Chemicals, Gases, Strong Acids, Chlorine
WB	White Butyl	-25	105	Food, Beverages
H	Hypalon	-15	105	Oxidizing Agents, Concentrated Sulphuric Acid, Phosphoric Acid, Chlorine
R	Buna - N	-10	80	Animal, Vegetable and Mineral Oils, Paraffin, Kerosene
S	Soft Natural Rubber	-15	80	Abrasive Fluids
V	Viton	-25	185	Hydro Carbons, Strong Acids, Solvents, Chlorine
EP	EPDM	-20	110	Radio Active Fluid, Chemical resistance similar to TG
T	PTFE (With Neoprene)	-30	175	All Chemicals and Food

\* Please contact us for any type of customized automation in Diaphragm Valves for typical applications.

**OTHER MFG. RANGE:** Pressure Reducing Valve, Safety Relief Valve, Globe Valve, Ball Valve, Gate Valve, Butterfly Valve, Plug Valve, Non Return Valve, Automatic Control Valve, Pneumatic Control Valve, Motorised Control Valve, Knife Edge Gate Valve, Flush Bottom Valve, Strainer, Filter, Pressure Reducing Station, Gas Skid & All type of manual / actuator / cylinder operated valves with any type of automation.

\* Please note this a condensed catalogue for a complete version please contact Flow-Tek directly.



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