

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



AN ISO 9001 : 2008 CERTIFIED COMPANY

MANUFACTURER & EXPORTER OF

Flow-age

MAKE SPECIALISED INDUSTRIAL VALVES

BALL VALVE



flow-age

" All Types of Valve for whole Project"

www.flowagevalves.com

PRESSURE REDUCING VALVE (FT-1001):

PRESSURE REDUCING VALVE (FT-1001):

"Flow age" offer Pressure Reducing Valve is among of our wide range of products. We have expertise in manufacturing this valve and aesthetically designed by keeping one crucial matter in mind that is to fulfill your requirement perfectly. Valve can be offered with IBR Certificate & 3rd Party Inspection respect to requirement of client. Available in sizes of 1/2" To 8" (larger sizes on request)

ALIENT FEATURES OF THE VALVE

- High quality S. S. Diaphragm
- Maintains Constant Outlet Pressure , irrespective to change in Inlet Pressure (Pressure Drop is very low)
- Suitable for Medium and Low Pressure (Steam, Gas, Air etc.)
- Adjustable Spring (Wide range) for better pressure control

During manufacturing we maintain the following Parameters, Service Condition (Temperature & Pressure) of Material, respect to Body Material

QUALITY IS OUR FIRST PRIORITY

How does Flow-Tek Valves & Controls design and manufacture comprehensive range of valves including Steam Stop Valve, Pressure Reducing Valve, Safety Valve, Strainer & Separator are manufactured in house and tested individually that offer superior performance, reliability and service life? The answer is total quality commitment. Since its inception Flow-Tek Valves & controls' entire philosophy has been focused on Quality. Our comprehensive Quality Assurance System is geared towards continuous improvement, process quality and stringent compliance to worldwide standard (e.g. ASME Section III, ISO 9001 2000 & PED)

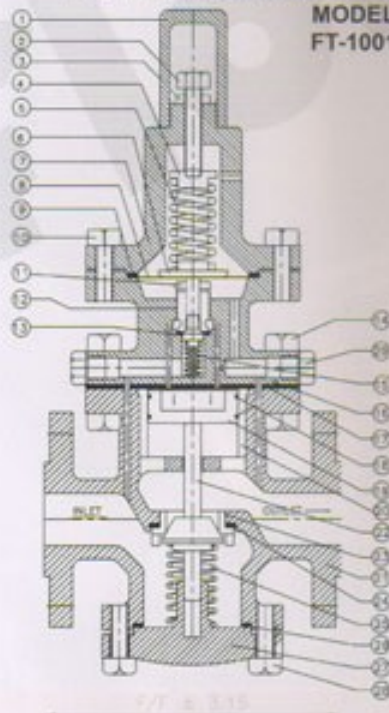
END USER HAS TO PROVIDE FOLLOWING INFORMATION REQUIRED FOR PROPER DESIGNING & SIZING

- Fluids (Flow Media) : Steam, Air, Gas
- Inlet Pressure : Min, Normal & Max
- Outlet Pressure : Min, Normal & Max
- Inlet Temperature : Min, Normal & Max
- Capacity required : Min, Normal & Max

NOMENCLATURE:

29	PLUG	C.S / S.S. 304 / S.S. 316
28	BOTTOM COVER BOLT	C.S / S.S. 304 / S.S. 316
27	BOTTOM COVER	C.S / S.S. 304 / S.S. 316
26	BOTTOM COVER GASKET	GRAPHITED ASBESTOS / SS SPW+CAF
25	MAIN VALVE RETURN SPRING	IS 4454 GR. II (SPRING STEEL)
24	MAIN VALVE SEAT GASKET	GRAPHITED ASBESTOS / SS SPW+CAF
23	MAIN VALVE SEAT	S.S. 410 / S.S. 304 / S.S. 316
22	MAIN VALVE	S.S. 410 / S.S. 304 / S.S. 316
21	BODY	C.I / C.S / S.S. 304 / S.S. 316
20	SLEEVE	S.S. 410 / S.S. 304 / S.S. 316
19	PISTON	S.S. 410 / S.S. 304 / S.S. 316
18	PISTON RING	CARBON STEEL, HARD CHROME IRON
17	BODY GASKET	GRAPHITED ASBESTOS / SS SPW+CAF
16	PILOT VALVE HOUSING	C.S / S.S. 304 / S.S. 316
15	PILOT VALVE SPRING	IS 4454 GR. II (SPRING STEEL)
14	BOLTS & NUTS/BODY	C.S / S.S. 304 / S.S. 316
13	PILOT SEAT GASKET	COPPER
12	PILOT VALVE	S.S. 410 / S.S. 304 / S.S. 316
11	PILOT VALVE SEAT	S.S. 410 / S.S. 304 / S.S. 316
10	HOUSING BOLTS	C.S / S.S. 304 / S.S. 316
9	HOUSING GASKET	GRAPHITED ASBESTOS / SS SPW+CAF
8	DIAPHRAGM	S.S. 304 / S.S. 316
7	SPRING HOUSING	C.S / S.S. 304 / S.S. 316
6	SPRING BUTTON (BOTTOM)	C.S / S.S. 304 / S.S. 316
5	SETTING SPRING	IS 4454 GR. II (SPRING STEEL)
4	SPRING BUTTON (TOP)	IS 4454 GR. II (SPRING STEEL)
3	JAM NUT	C.S / S.S. 304 / S.S. 316
2	SETTING SCREW	C.S / S.S. 304 / S.S. 316
1	LOCKING CAP	C.S / S.S. 304 / S.S. 316
NO	DESCRIPTION	MATERIAL

--- STEM PATH TO CONTROL PRESSURE
--- STEM PATH TO REDUCED PRESSURE



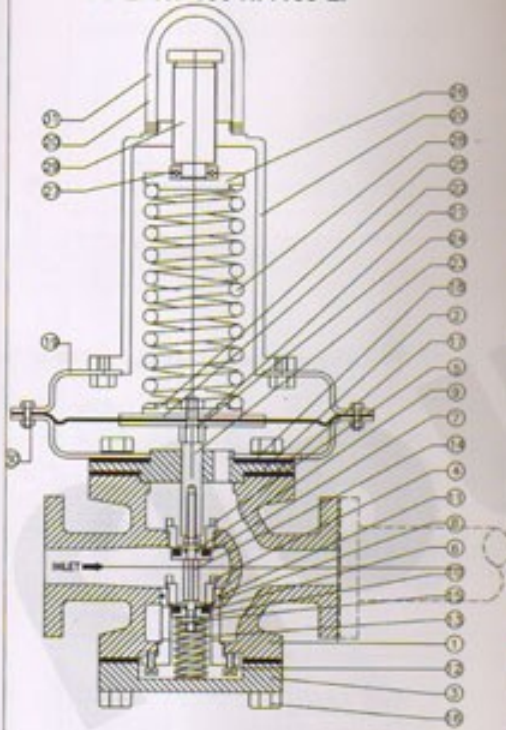
DIMENSION

SIZE(MM)	SIZE(INCH)	F/F
15	1/2"	185
20	3/4"	185
25	1"	194
40	1.5"	240
50	2"	254
65	2.5"	292
80	3"	311
100	4"	347
150	6"	433
200	8"	568

GAS REGULATOR FOR VERY LOW DOWN STREAM PRESSURE (LPRV):

- Very low pressure can be obtained in outlet (Down Stream) due to large area of diaphragm.
- Outlet pressure can be obtained as low as 0.25 PSIG.
- Very sensitive about change in downstream pressure.
- Two port designs allows very high flow rate.
- Widely use in CERAMIC & GLASS Industries to obtain very high combustion efficiency of Natural Gas.
- Available in the size of 1/2" to 12"

MODEL
FT-LPRV-166-HP/166-LP

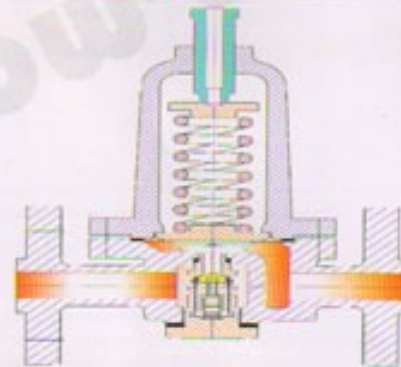


NOMENCLATURE:

31	LOCKING CAP	C.S. / S.S. 304 / S.S. 316	1
30	BOLTS&NUTS DIAPH.CASE	C.S. / S.S. 304 / S.S. 316	1
29	ADJUSTING SCREW	C.S. / S.S. 304 / S.S. 316	1
28	SETTING SPRING	IS 4454 GR. II (SPRING STEEL)	1
27	BEARING	S.S. 304 / S.S. 31604	1
26	SPRING SEAT TOP	C.S. / S.S. 304 / S.S. 316	1
25	SPRING SEAT BOTTOM	C.S. / S.S. 304 / S.S. 316	1
24	O-RING UPPER STEM	NITRILE	1
23	UPPER STEM	S.S. 304 / S.S. 316	1
22	DIAPHRAGM PLATE	C.S. / S.S. 304 / S.S. 316	2
21	DIAPHRAGM	NEOPRENE WITH NYLONE RAINFORCE	1
20	SPRING HOUSING	C.S. / S.S. 304 / S.S. 316	1
19	UPPER DIAPHRAGM CASE	C.S. PRESSED STEEL	1
18	LOWER DIAPHRAGM CASE	C.S. PRESSED STEEL	1
17	GASKETS	GRAPHITED ASBESTOS	1
16	BOLTS	S.S. 304 / S.S. 316	1
15	LOCK NUTS	S.S. 304 / S.S. 316	2
14	LOWER STEM	S.S. 304 / S.S. 316	1
13	BOTTOM SPRING	IS 4454 GR.II (SPRING STEEL)	1
12	LOCK SCREW, CAGE	S.S. 304 / S.S. 316	2
11	O-RING CAGE	NITRILE	1
10	CAGE	S.S. 304 / S.S. 316	1
9	O-RING WASHER	S.S. 304 / S.S. 316	2
8	O-RING STEM	NITRILE	2
7	UPPER DISC ASSLY.	S.S. 304 / 316 WITH NITRILE RUBBER	1
6	LOWER DISC ASSLY.	S.S. 304 / 316 WITH NITRILE RUBBER	1
5	UPPER SEAT RING	S.S. 304 / S.S. 316	1
4	LOWER SEAT RING	S.S. 304 / S.S. 316	1
3	BOTTOM COVER	C.S. / S.S. 304 / S.S. 316	1
2	TOP COVER	C.S. / S.S. 304 / S.S. 316	1
1	BODY	C.S. / S.S. 304 / S.S. 316	1
NO	DESCRIPTION	MATERIAL	QTY.

HIGH PRESSURE REDUCING VALVE (FT-HP-32):

- This design is suitable for high pressure difference (? p)
- This valve operates at Maximum inlet pressure of 200 kg/cm² and outlet pressure varies as per selection of springs.
- Available in complete S.S.316
- This valve specially designed for ANALYTICAL SAMPLING SYSTEM IN LABORATORIES AND R & D CENTRE.
- Available in the size of 1/4", 3/8", 1/2", 3/4" NPT (F) or SW.





AUTOMATIC CONTROL VALVE (FT-115)

Pressure Reducing Function

Flow-Tek Valves & Controls offers the most reliable AUTOMATIC Control Valve (Pilot Operated – Pressure Reducing Valve, very much suitable for any clean liquid application). We have engineering expertise in manufacturing this valve and aesthetically designed using vanguard technique for customer's requirement.

SALIENT FEATURES

- It gives steady flow
- Downstream pressure is highly affected due to large area of Nylon Reinforced Diaphragm (BUNA-N).
- Downstream pressure can be easily set by adjusting the setting screw of pilot valve.
- Due to soft seat its leakage class is VI.
- Available in complete SS 304 / SS 316 (Pilot Valve)
- Sizes available: 25 NB to 300 NB.
- This design is worthy of being chosen especially for any Purified Water.

PRESSURE REDUCING STATION (PRS):

Flow-Tek Valves & Controls offers the most reliable (IBR & NON IBR) of Pressure Reducing Station. We have expertise in manufacturing this valve and aesthetically designed by keeping one crucial matter in mind that is to fulfill your requirement perfectly. Custom engineered complete IBR approved Pressure Reducing Station for Steam service and NON IBR Station for Air, Gas, & Water service.



GAS SKIDS:

Complete natural gas LNG, CNG application for pressure regulating and metering SKIDS are being supplied with GAS Filters, Isolation Valves, Meters Safety Shut Off Valves & Regulating Valves ideal for individual industrial units and as a stand along unit.

** Please contact us for any type of customized automation in Pressure Reducing Valves for typical applications.*

OTHER MFG. RANGE: 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, Diaphragm Valve, Flush Bottom Valve, Strainer, Filter & 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.*



Unit : 1 FLOW-TEK VALVES & CONTROLS

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