

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



AN ISO 9001 : 2008 CERTIFIED COMPANY

MANUFACTURER & EXPORTER OF

Flow-age

MAKE SPECIALISED INDUSTRIAL VALVES

**AUTOMATIC
CONTROL VALVE**



Flow-age

" All Types of Valve for whole Project"

www.flowagevalves.com

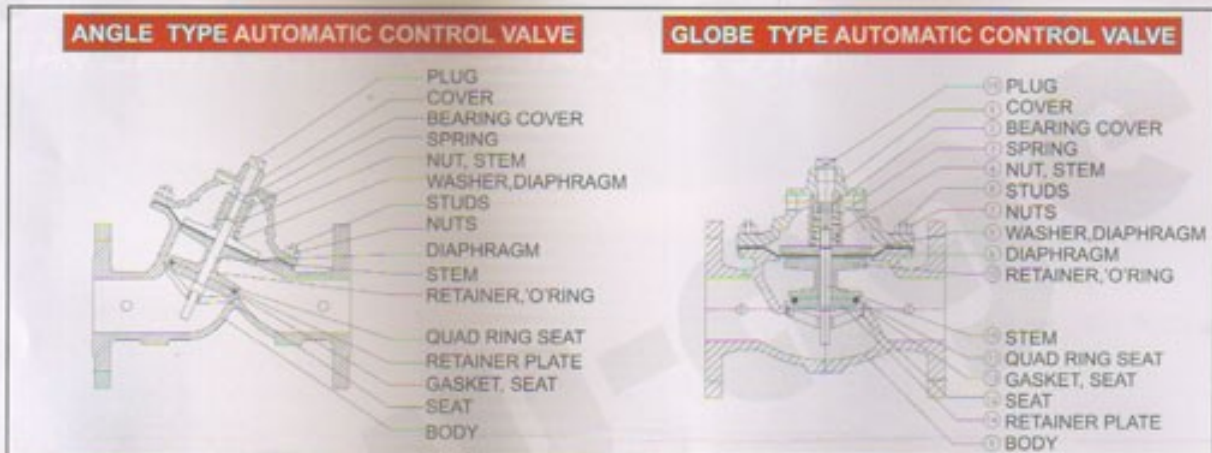
AUTOMATIC CONTROL VALVE

The **Automatic Control Valve**, the word is self explanatory. It is a highly engineered Automatic Control Valve knowledgeably designed to operate off line pressure or if desired, from an independent power source. Flowage valves are hydraulically operated, diaphragm actuated for multi-function control of non corrosive, non-abrasive fluids.

Main Valve Design

The main valve is Self Actuating Type, Pilot Operated, Globe/Angle Pattern, Top & Bottom Guided, Glandless, Hydraulically Operated, and Diaphragm Actuated for **multifunction** control of less viscous, non corrosive, non abrasive fluids. Our wide range of control pilots makes it possible to offer combination models for variety of functions. The main valve contains only one moving part. This simplicity of design promotes dependability, making the maintenance easier and extends the life of the valve.

The lower portion of main valve diaphragm assembly is a mechanical check feature, which acts independently of diaphragm position or pilot control system, and provide immediate check action when flow ceases.



SPECIFICATIONS

• BODY AND COVER	Ductile Iron ASTMA 395/ASTMA 216 Gr.WCB/CF8/CF8M
• SEAT	Stainless Steel 304/316/gun metal
• STEM	AISI 304/316
• SPRING	SPRING STEEL, SS 304/316
• ELASTOMER DIPHRAGM	Nylon reinforced Buna-N/Viton
• SEAL	Buna-N/Viton
• HYDRAULIC CONTROL PILOTS	ASTMA 351 CF8/8M with SS internals and elastomer seat & seal
• TUBING & FITTINGS	SS 304/316 with SS fittings / Copper with brass fittings
• ELECTRICAL	24 VDC /110 VAC / 230 VAC explosion proof
• WORKING PRESSURE	400 psi for threaded end valves/150 psi for flanged end valves
• OPERATING TEMPERATURE	Buna-N-160 F/EPDM-300 F/Viton - 250 F
• FLO-CLEAN STRAINER/SPEED	

CONTROL DEVICE/ISOLATION VALVE	SS 304/316 / Brass
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SELECTION

Valves are sized to provide an appropriate pressure drop for each application. The minimum pressure drop should be 5 psi for inlet to atmosphere and 10 psi from inlet to outlet.

"Flow age" valves are design for use with clean liquid (water, ATF) application for other media is possible, consult factory.

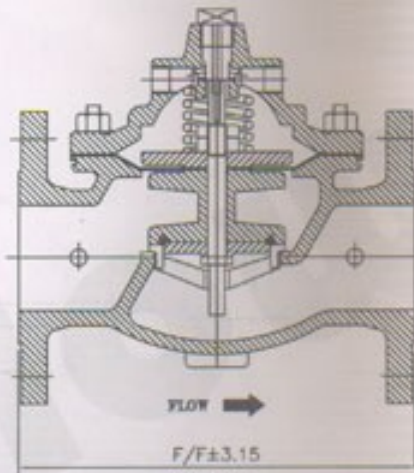
WIDELY USED IN

- Water Distribution System,
- Fire Protection,
- Irrigation,
- Industrial Petroleum & Aviation Fueling System,
- Marine Theme Park,
- Decorative Fountain etc.

AND MORE OVER THE SYSTEM APPLICATION LIKE

- Remote Control
- Pressure Regulation
- Solenoid Operation
- Rate of Flow Control
- Liquid Level Control
- Check Function and many more.

FUNCTIONS



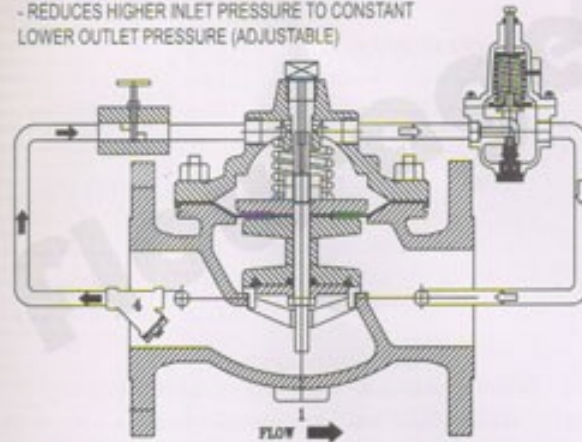
DIMENTION [MM] ISO #

VALVE SIZE	MM	INCH	F TO F
25	1"	152	
40	1½"	165	
50	2"	203	
65	2½"	241	
80	3"	267	
100	4"	343	
150	6"	432	
200	8"	559	
250	10"	757	
300	12"	864	
350	14"	991	
400	16"	1060	

PRESSURE REDUCING

Automatic Control Valve and hence offers pilot operated pressure reducing valve, design to reduce higher inlet pressure (up-stream pressure) to a constant stabilized lower outlet pressure (down-stream pressure) regardless of varying of up stream pressure & flow rates.

VALVE FUNCTION
- REDUCES HIGHER INLET PRESSURE TO CONSTANT LOWER OUTLET PRESSURE (ADJUSTABLE)

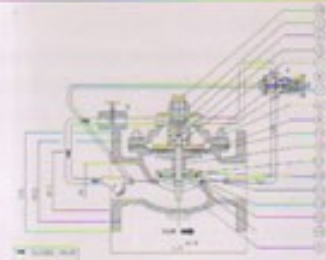


➡ CLOSES VALVE
⇨ OPEN VALVE

PRESSURE REDUCING VALVE - FIG.116

PRESSURE RELIEF

- A hydraulically operated pilot controlled modulating type pressure relief valve is design to maintain constant up stream pressure and to minimize surging. Installed on a by-pass line, mainline pressure is accurately controlled by relief excess pressure. This valve can be used for pressure relief, back pressure, up stream pressure control and many more.



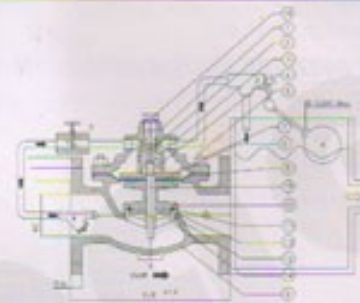
PRESSURE RELIEF VALVE - (FIG-116)

LEVEL CONTROL

- Modulating float control valve to maintain constant liquid level in storage tanks and reservoirs by compensating for variations in supply or demand, keeping the tank full.

LEVEL CONTROL VALVE -FIG-100-10 VALVE FUNCTION

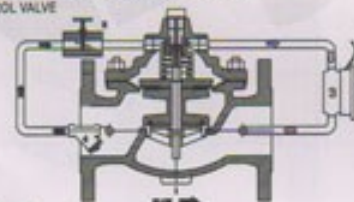
- MAINTAINS A CONSTANT LIQUID LEVEL IN A TANK, POND OR OTHER RESERVOIR
- REMOTE MOUNTED PILOT IS SENSITIVE TO SLIGHT CHANGES IN LEVEL AND CONTROLS MAIN VALVE TO :
- OPEN WHEN LEVEL DROPS
- CLOSE WHEN LEVEL RISES



SOLENOID CONTROL (ON OFF VALVE)

- Operated by two way - three way solenoid pilot valve, BTA-311 a Solenoid Control Valve is an on-off control valve that either open or closes upon receiving an electrical signals to the solenoid pilot control, provides two position [On-Off] Operation. The main valve opens fully or closes drip tight depending upon the actuation position of the solenoid, energized to open/energized to close. The valve may be remotely operated by timers, relays, probes or any triggered device to the solenoid.

VALVE FUNCTION ELECTRICALLY OPERATED ON/OFF (OPEN/CLOSE) CONTROL VALVE

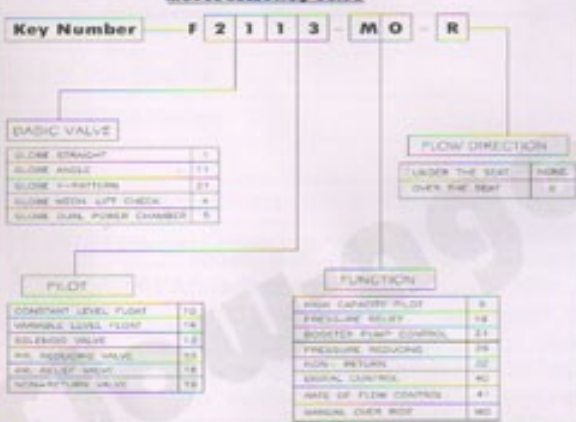


SOLENOID CONTROL VALVE FIG - 113-R

MORE FUNCTIONS:

- Rate of Flow Control
- Pump Control
- Hydraulic Check Control
- Altitude Control
- Surge Anticipation
- Digital Set Stop
- Filter Separator Control

MODEL SELECTION GUIDE



* Please contact us for any type of customized automation in Automatic Control Valve for typical applications

OTHER MFG. RANGE: Pressure Reducing Valve, Safety Relief Valve, Globe Valve, Ball Valve, Gate Valve, Plug Valve, Non Return 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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