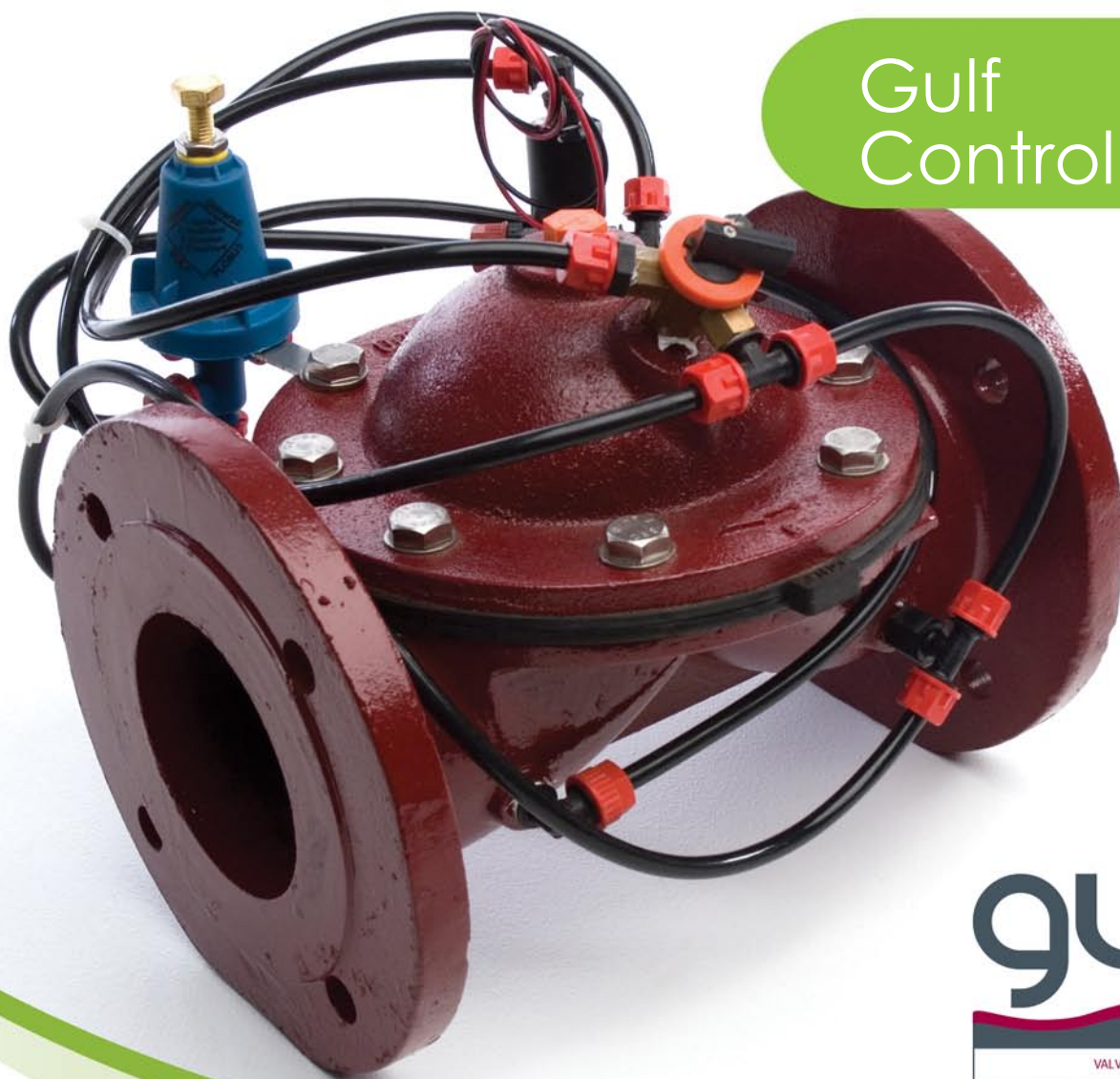


Gulf Control Valves



FEATURES

- Minimal moving parts resulting in simple construction
- Sound hydraulic performance
- Minimum Head Loss
- High quality materials and workmanship
- Easy inline maintenance
- Quiet smooth water flow during operation
- **Adaptable for almost any operating format including:**
 - Manual, Electrical, Pressure reducing, Pressure sustaining, Remote control and numerous other control combinations
- Usable with many different liquids including slurries and abrasive liquids

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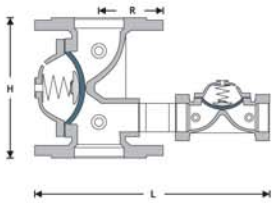
MPUMULANGA
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Fax: +27 13 755 3505

Smart Access : 086 114 853

Email : sales@agriplas.co.za

Backflush Valves

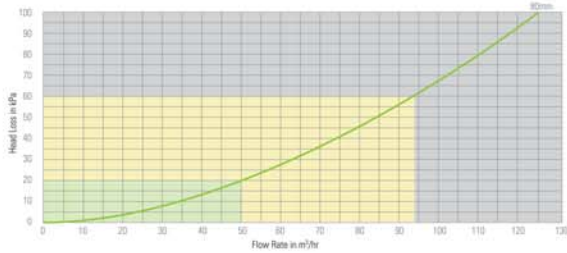
Dimensions and Weight



Valve Size	Length (mm)	Height (mm)	Width (mm)	Radius (mm)	Mass (Kg)
80x50mm	390	242	204	102	23.5



Head Loss Chart



Materials

Body & Bonnet	Cast Iron
Diaphragm	Reinforced Natural Rubber (Other options available)
Spring	Stainless Steel
Spring Retainer	Glass Reinforced Nylon
Nuts & Bolts	Stainless Steel
Coating	AD Enamel Paint UV Protected Epoxy

Operating Range

Pressure Range	0.7 to 12 Bar
Temperature Range	Water up to 60°C
Max pressure reduction ratio	3:1
Recommended flow velocity	0.3 - 3 m/sec
Maximum flow velocity	15 m/sec for 60 seconds
Connections	
Flanges	BS 10 Table D, E, F & H ANSI Class 125, 150 & 200 ISO PN16 & PN25 Others available on request
Threads	Female ISO (BSP) ANSI (NPT)
Control Parts	1/4" & 1/2" BSP

Gulf Accessories

Solenoid Valves & Operators



A complete range of plastic and brass electric solenoid valves and operators are available to suit any application.

These include normally open or normally closed solenoid valves.

Available in the 2 or 3 way operating system.

For pressures from 0 - 15 bar.

Available in various voltages from 6 volts to 420 volts.

Available in various wattages.

In AC and DC configuration as well as in DC magnetic latch format.

Various connection part sizes and configurations.

Pilot Valves



Model Number	FL08U3* *(B, Y or R for Spring Choice)
Function	Universal (Pressure reducing, sustaining or relief)
Operating system	3 Way
Adjustment range	Brown Spring (B) : 5-25 meters
	Yellow Spring (Y) : 10-50 meters
	Red Spring (R) : 25-80 meters
Maximum operating pressure	10 Bar
Suitable for valve sizes	20mm to 150mm (3/4" - 6")
Connection ports	8mm PE Tube or 1/4" BSP Male

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GULF Control Valves



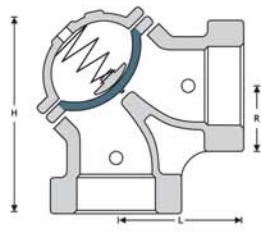
FEATURES

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Threaded Angle Valves

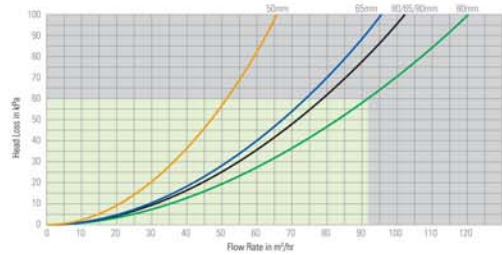
Dimensions and Weight



Valve Size	Length (mm)	Height (mm)	Hm* (mm)	Width (mm)	Radius (mm)	Mass (kg)
50mm	95.6	150	190	127	44	3.8
65mm	115	186	225	145	59	7.2
80/65/80mm	115	186	225	145	59	7.0
80mm	140	210	300	190	65	11.0

* Hm - Height when the valve is filled with optional mechanical draft (in fully open position)

Head Loss Chart



Technical and Operating Specifications apply to Angle Valves, Threaded Valves, Flanged Valves and Backflush Valves

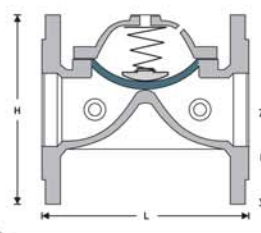
Flow Factor Table

Valve Size	40mm Threaded	50mm Threaded	50mm Flanged	65mm Threaded	65/65/65mm Threaded	80mm Threaded	80mm Flanged	100mm Flanged	150mm Flanged
Factor	0.1	0.15	0.15	0.2	0.2	0.25	0.3	0.4	0.5
K (Pa)	0.0258	0.0347	0.0258	0.0394	0.0394	0.0490	0.0590	0.0784	0.1194
K (Pa/ft³)	0.0008	0.0012	0.0008	0.0012	0.0012	0.0015	0.0018	0.0024	0.0036

$K = 0.0001 \times Q^2$ where K = local friction loss (Pa) or (ft/ft³) and Q = m³/hr

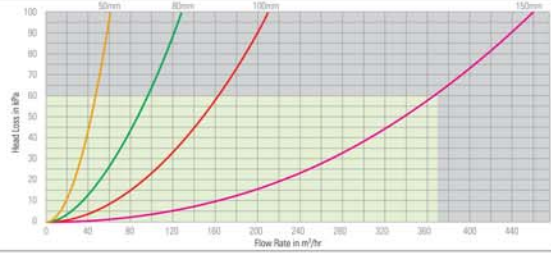
Flanged Inline Valves

Dimensions and Weight

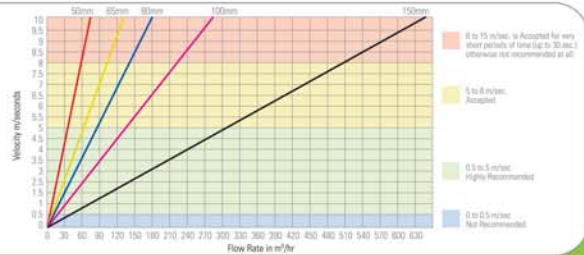


Valve Size	Length (mm)	Height (mm)	Hm* (mm)	Width (mm)	Radius (mm)	Mass (kg)
50mm	190	162	240	165	83	7.2
80mm	242	202	342	203	102	19.6
100mm	315	243	383	228	114	21.5
150mm	403	331	N.A.	305	153	54.6

Head Loss Chart

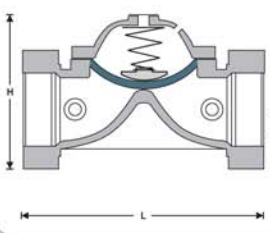


Velocity Chart



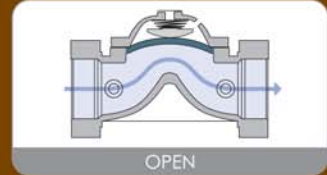
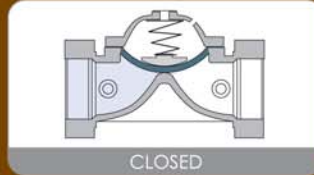
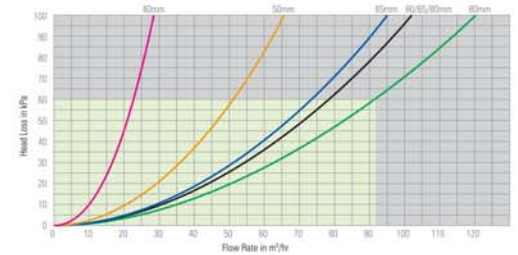
Threaded Inline Valves

Dimensions and Weight



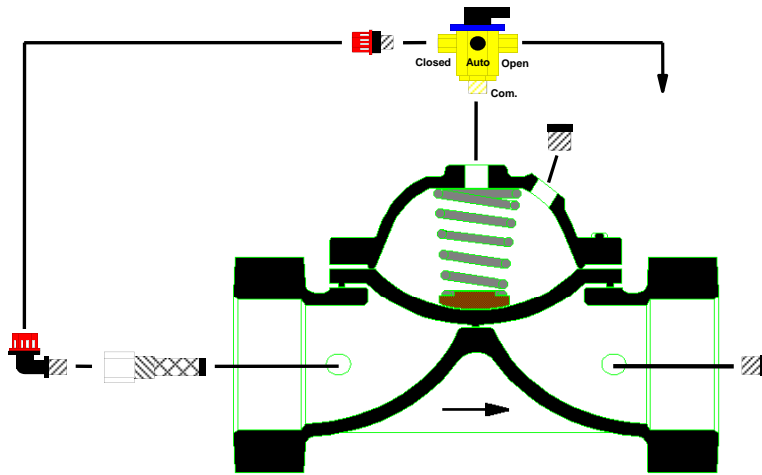
Valve Size	Length (mm)	Height (mm)	Hm* (mm)	Width (mm)	Radius (mm)	Mass (kg)
40mm	145	103	188	109	38	2.8
50mm	169	117	202	127	44	3.8
65mm	230	154	239	145	59	7.2
80/65/80mm	230	154	239	145	59	7.0
80mm	280	169	309	190	65	10.5

Head Loss Chart

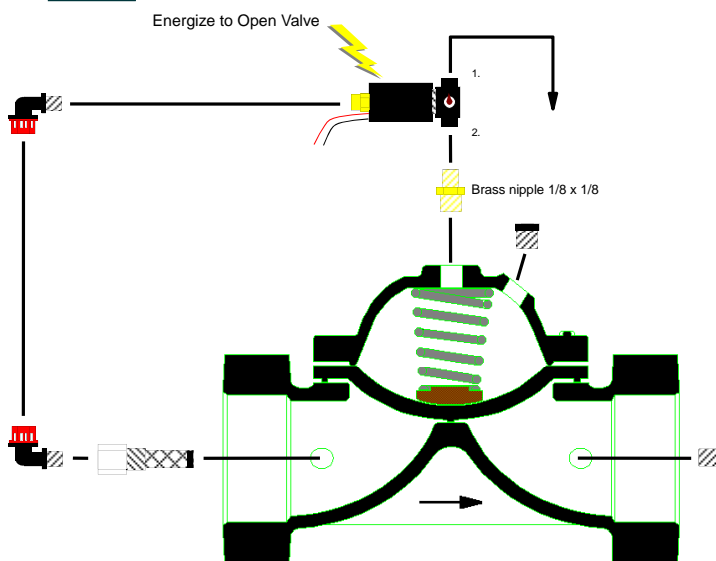




Hydraulic Control Valves.
Basic Valve with Manual Override - 3 Way

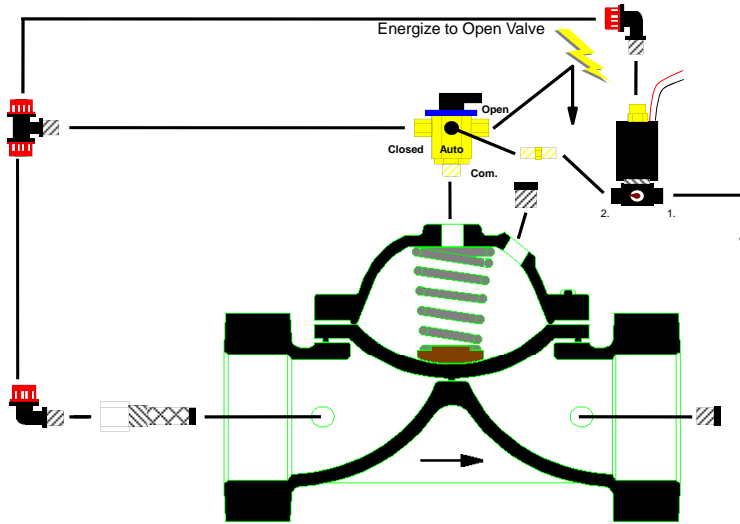


Hydraulic Control Valves.
Basic Valve with Electric Solenoid NO (light duty) - 3 Way

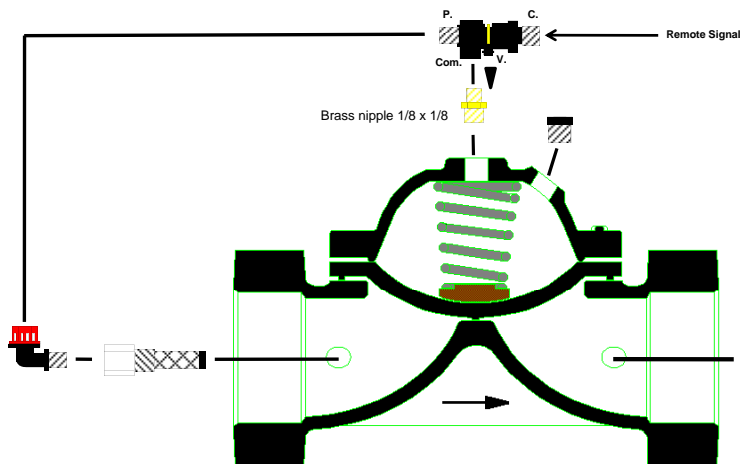




Hydraulic Control Valves.
Basic Valve with Manual Override and
Electric Solenoid NO (Light Duty) - 3 Way

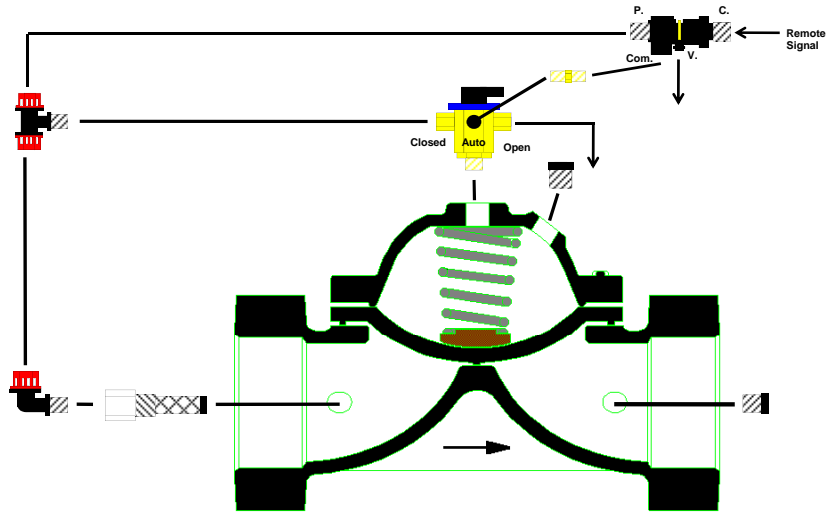


Hydraulic Control Valves.
Basic Valve with Hydraulic Relay for Remote Operation

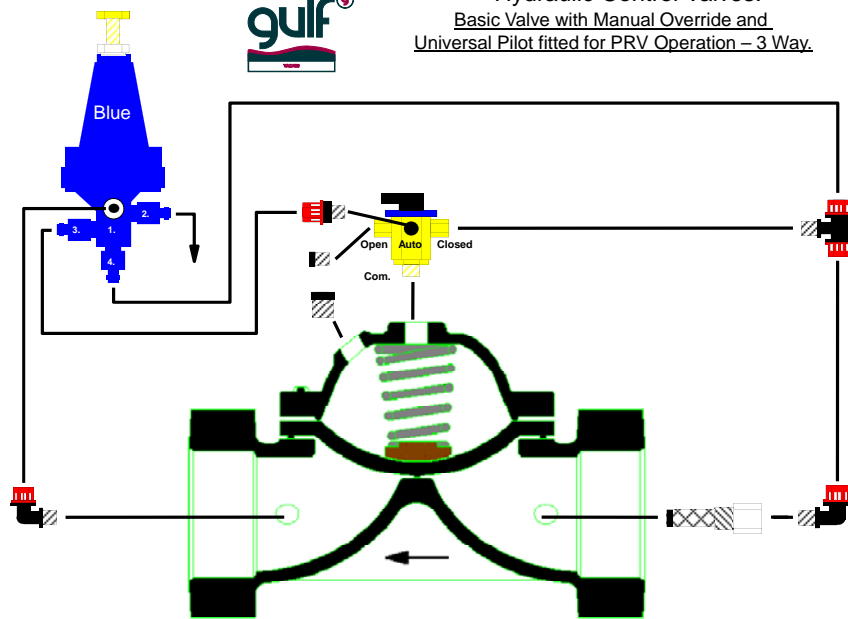




Hydraulic Control Valves.
Basic Valve with Manual Override and
Hydraulic Relay for Remote Operation

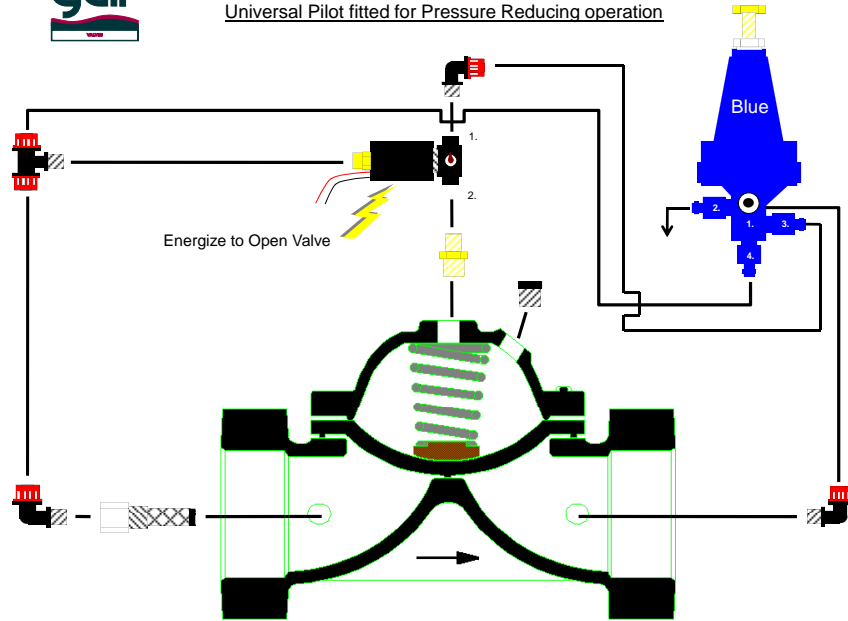


Hydraulic Control Valves.
Basic Valve with Manual Override and
Universal Pilot fitted for PRV Operation – 3 Way.

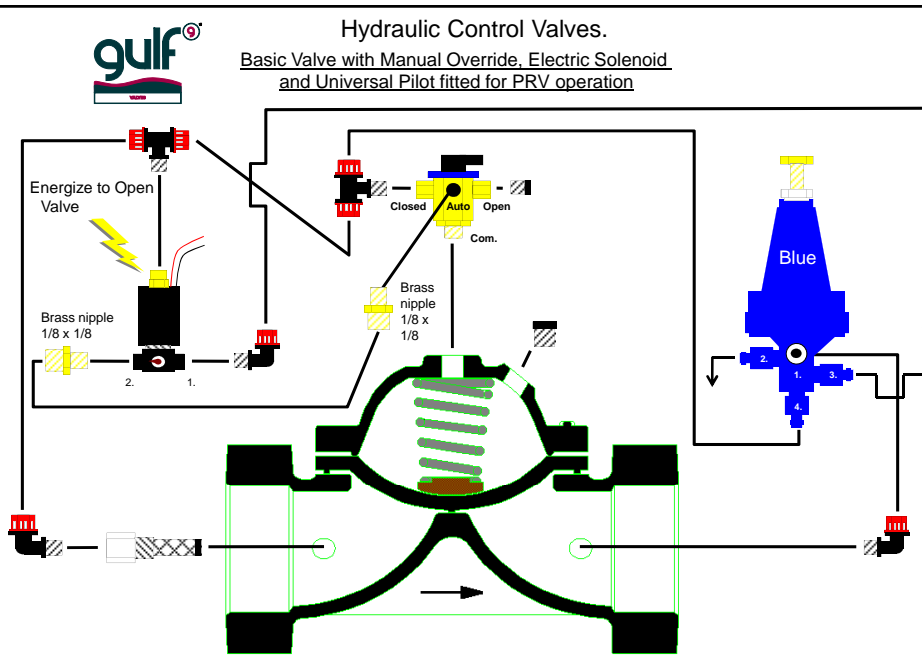




Hydraulic Control Valves.
Basic Valve with Electric Solenoid and
Universal Pilot fitted for Pressure Reducing operation

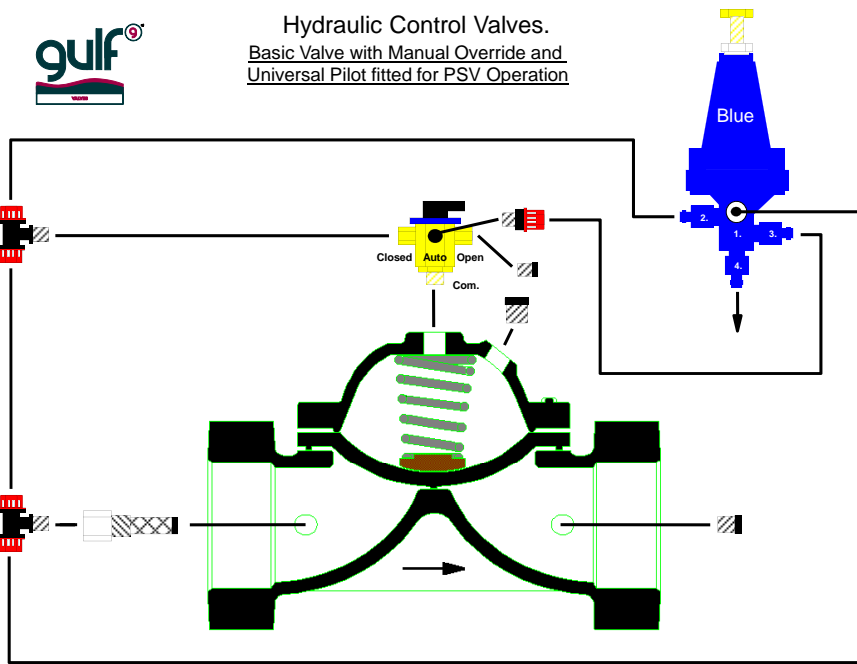


Hydraulic Control Valves.
Basic Valve with Manual Override, Electric Solenoid
and Universal Pilot fitted for PRV operation

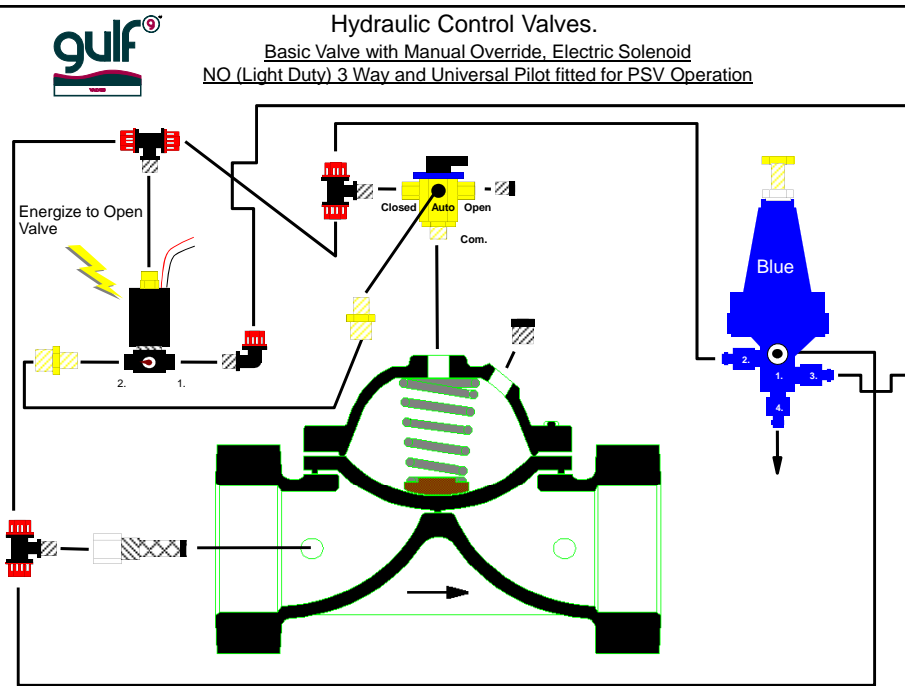


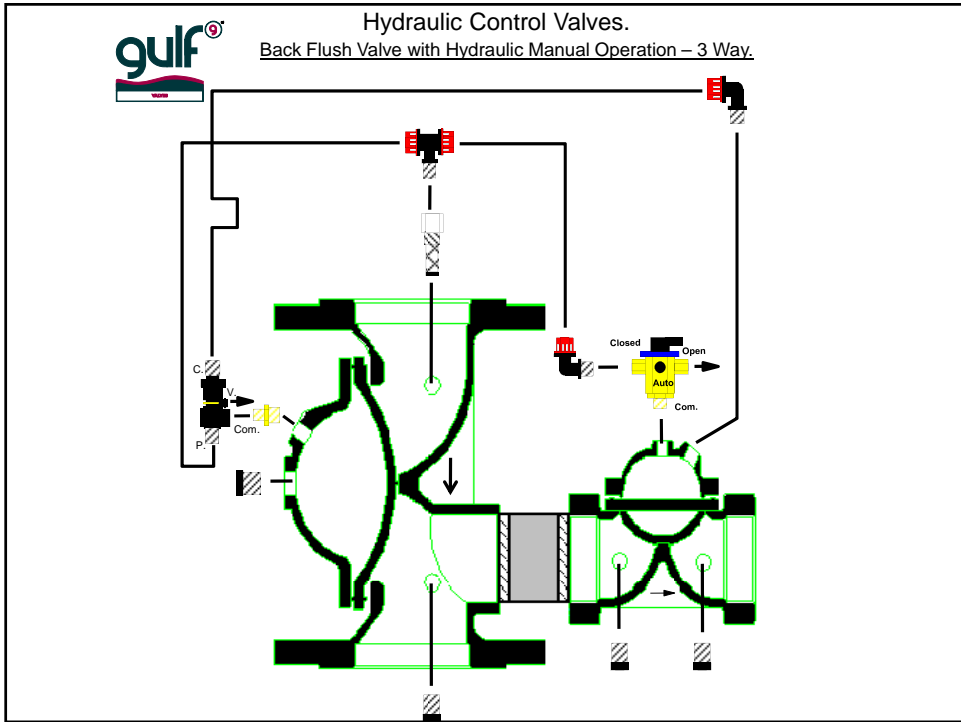
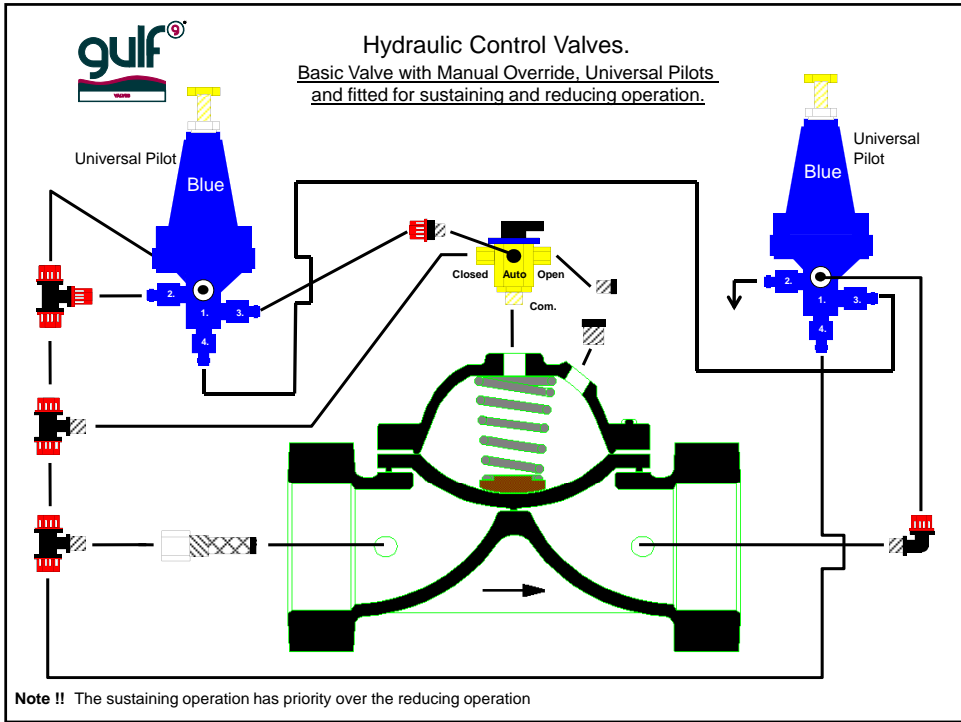


Hydraulic Control Valves.
Basic Valve with Manual Override and
Universal Pilot fitted for PSV Operation



Hydraulic Control Valves.
Basic Valve with Manual Override, Electric Solenoid
NO (Light Duty) 3 Way and Universal Pilot fitted for PSV Operation





Hydraulic Control Valves.

Back Flush Valve with Hydraulic Manual Operation and Electric NO Solenoid (Light Duty) – 3 Way.

