Media: air – water – gas – liquid
Pressure range: 0 to 10 bar max
Media temperature: 0°C to +90°C max
Ambient temperature: -15°C to +60°C
Media viscosity: 500 centistokes max
Duty cycle: 70,000
Mounting: Any
Seals: PTFE
Mounting: ISO5211, F03, F05
Open/Close Time: 10 Seconds

Stainless Ball Valve

1/2 – 1" 3-Way T + L Port
Open/Close + Failsafe
0 – 10 Bar
TYPE ABV-S3T+L



PRESSURE

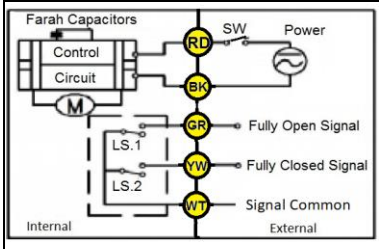
Ø Port BSP	Orifice mm	Pressure (Bar) ΔP Min	Pressure (Bar) ΔP Max	Function	Voltage	Part Number	
1/2	12	0	10	**Failsafe Control** Power ON valve Opens Power OFF valve Returns *Failsafe requires 30 seconds Power On to recharge the Farah capacitors.*	12-24DC + 24AC	ABV04S3TDP/9AR-E2-MO	
					110-240vAC	ABV04S3TDP/2AR-E2-MO	
3/4	15	0	10		12-24DC + 24AC	ABV06S3TDP/9AR-E2-MO	
					110-240vAC	ABV06S3TDP/2AR-E2-MO	
1	18	0	10		12-24DC + 24AC	ABV08S3TDP/9AR-E2-MO	
					110-240vAC	ABV08S3TDP/2AR-E2-MO	
1/2	12	0	10	**3 Wire Control** Connect Power Red & Negative Black Power to Green - Valve Opens Power off Green - Valve Closes	12-24DC + 24AC	ABV04S3TDP/9-E2-MO	
					110-240vAC	ABV04S3TDP/2-E2-MO	
3/4	15	0	10		12-24DC + 24AC	ABV06S3TDP/9-E2-MO	
					110-240vAC	ABV06S3TDP/2-E2-MO	
1	18	0	10		12-24DC + 24AC	ABV08S3TDP/9-E2-MO	
					110-240vAC	ABV08S3TDP/2-E2-MO	

OPTIONS

Visual Position Indicator, Manual Override, and E2 volt free fully open & closed position feedback switches
*T Port flow direction D standard (S3TDP), flow direction A , B, E or L port (S3LP), as below
WRAS EPDM (S3TDE) or FKM (S3TDF) seals, 3 meter cable, NPT thread

ELECTRICAL DATA

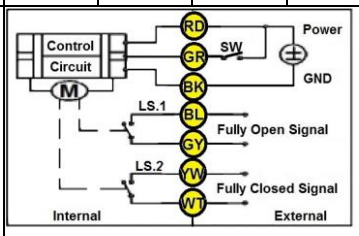
Continuous Duty 100% *Open / Close 10 seconds*	**Open + Closed Position Switches** (Volt Free – no voltage supplied)	**Torque NM**	**Power** Start	Move	Static	**Enclosure**	**Connection**
12vDC Failsafe	36vDC 0.4 Amp Max	27	3.3A	10W	0.18W	*IP67*	Cable 0.5 meter
24vDC Failsafe		24.1	1.2A	10.3W	0.29W		
110-240vAC Failsafe	220v 0.4 Amp Max	21.9	125mA	10.2W	0.5W		
12vDC Power Open/Close	36vDC 0.4 Amp Max	25.5	2.5A	2.1W	0.06W		
24vDC Power Open/Close		26	1.2A	2W	0.19W		
110-240vAC Power Open/Close	220v 0.4 Amp Max	16.3	90mA	2.3W	0.4W		



Failsafe – Auto Return

Power ON motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.

Power OFF motor actuates valve back to start position using reserve power. Valve stays in start position.



3 Wire Control

Power ON to GREEN motor actuates valve into powered position and then automatically powers off. Valve stays in powered position.

Power OFF to GREEN motor actuates valve back to start position and then automatically powers off. Valve stays in start position.

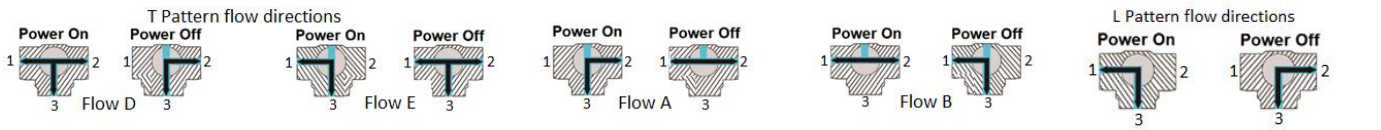
Position Feedback: Green Open, Yellow Closed, White common

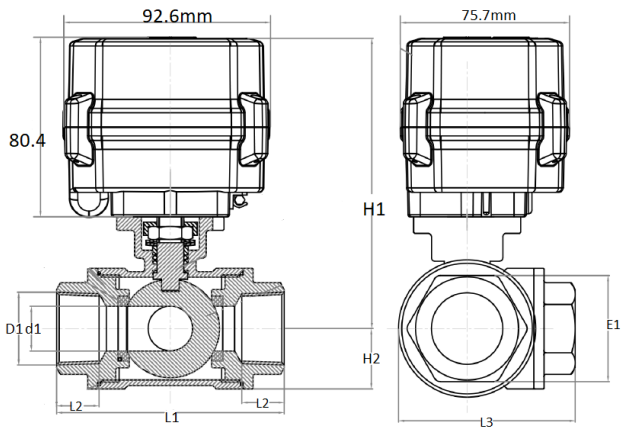
Position Feedback: Blue & Grey Open, Yellow & White Closed.

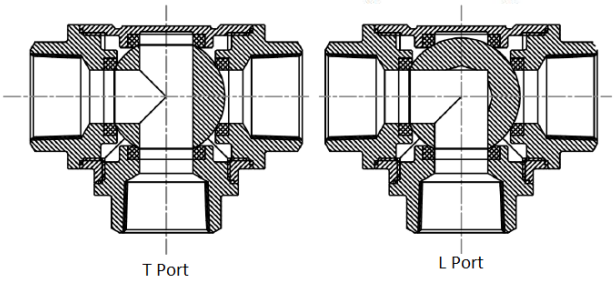
CONSTRUCTION

Valve Body: 304 stainless steel, Seals PTFE, ABV Actuator: ABS Engineering Plastic, Gears Metal

OVERALL DIMENSIONS







Description	Port D1	d1	L1	L2	E1	H1	H2	L3
ABV04S3	1/2	12	68	14	24.5	117	18	51.5
ABV06S3	3/4	15	75	16	31	120	20	60
ABV08S3	1	18	85	17	38.5	127	23.5	68

Subject to Change