

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		Function	Voltage	Part Number
		Min	Max			
1/2	12	0	10	<b>Failsafe Control</b> Power ON valve Opens Power OFF valve Returns  <i>Failsafe requires 30 seconds Power On to recharge the Farah capacitors.</i>	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	<b>3 Wire Control</b>  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

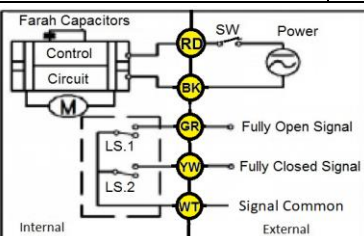
\*T Port flow direction D standard (S3TDP), flow direction A, B, E or L port (S3LP), as below

WRAS EPDM (S3TDE) or FKM (S3TDF) seals, 3 meter cable, NPT thread

Included  
Included  
TBA

### ELECTRICAL DATA

Continuous Duty 100% Open / Close 10 seconds	Open + Closed Position Switches (Volt Free – no voltage supplied)	Torque NM	Power			Enclosure	Connection
			Start	Move	Static		
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		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		16.3	90mA	2.3W	0.4W		

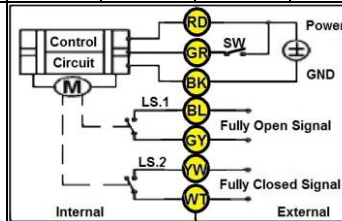


#### Failsafe – Auto Return

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.

Position Feedback: Green Open, Yellow Closed, White common



#### 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: Blue & Grey Open, Yellow & White Closed.

### CONSTRUCTION

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

### OVERALL DIMENSIONS

