Media: air – water – liquid - vacuum
Pressure range: 0 to 10 Bar max
Media temperature: +2°C to +90°C max
Ambient temperature: +2°C to +50°C
Mounting: Any
Cycles: 50,000
Opening/Closing : 15 Seconds
Duty cycles: 100%

Actuated UPVC Ball Valve
1/2'' – 2''
FAILSAFE & STANDARD
2 WAY
0 – 10 Bar
TYPE ABVP04-20S

PRESSURE

Port BSP	Orifice mm	Operating Time Secs	Pressure (Bar) ΔP Min	Pressure (Bar) ΔP Max	Function	Voltage	Seal	Part Number	
1/2	15	15	0	10	**Failsafe Closed** Power ON valve Opens Power OFF automatic valve Close *Requires initial 30 second power ON time thereafter minimum 10 seconds to recharge the reserve power.*	9v to 35v AC/DC	PE=EPDM PV=Viton	ABV04PE/9AR	
1/2						110v to 240vAC		ABV04PE/2AR	
3/4	20	15	0	10		9v to 35v AC/DC		ABV06PE/9AR	
3/4						110v to 240vAC		ABV06PE/2AR	
1	25	15	0	10		9v to 35v AC/DC		ABV08PE/9AR	
1						110v to 240vAC		ABV08PE/2AR	
11/4	32	15	0	10		9v to 35v AC/DC		ABV12PE/9AR	
11/4						110v to 240vAC		ABV12PE/2AR	
11/2	40	15	0	10		9v to 35v AC/DC		ABV14PE/9AR	
11/2						110v to 240vAC		ABV14PE/2AR	
2	50	15	0	10		9v to 35v AC/DC		ABV20PE/9AR	
2						110v to 240vAC		ABV20PE/2AR	

OPTIONS

Visual Position Indicator & E2 Volt free fully Open & fully Closed position feedback switches	**Included**
Failsafe Open (AR-NO)	**+10%**
Viton valve sealing	**+10%**
3 wire control	**+£0.00**

ELECTRICAL DATA

Duty	Position Feed Back Switch Volt Free – No voltage is supplied from actuator	Torque	Power	Enclosure	Electrical connections
Continuous duty 100% Open Close 15 seconds	Switch rating: 0 to 36vDC 0.4 Amp Max	10 Nm	22 Watt	*IP67*	2 lead wires 0.5 meter

OVERALL DIMENSIONS
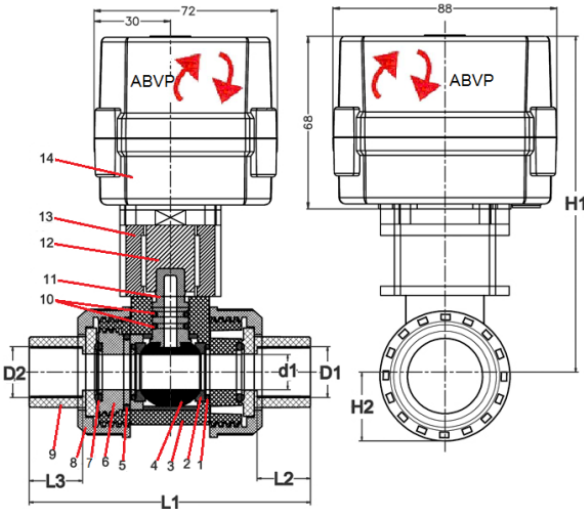
Port G	L1	L2/L3	H1	H2
1/2	104.8	22.3	130	27.5
3/4	113	25.5	134.5	32
1	127	28.6	146.3	37.5
11/4	142	32	156.8	42.8
11/2	157	35	163.6	50
2	174	36	163.6	50

1	O Ring	EPDM or Viton
2	Sealing	PTFE
3	Body	UPVC
4	Ball	UPVC
5	O Ring	EPDM or Viton
6	Bonnet	UPVC
7	O ring	EPDM or Viton
8	Gland	UPVC
9	Socket	UPVC
10	O Ring	EPDM or Viton
11	Stem	UPVC
12	Adaptor	304 Stainless
13	Adaptor	304 Stainless
14	Actuator	PPA6
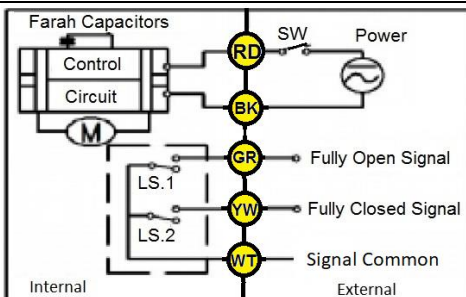
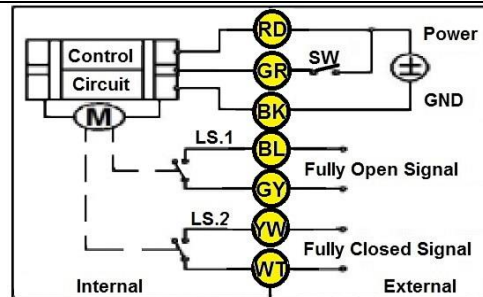| **Failsafe – Automatic Return**	**3 Wire Control**
Power ON motor actuates valve into powered position and then automatically powers off. Valve stays in powered position. Power OFF motor actuates valve back to start position using reserve power. Valve stays in start position.	Power ON to GREEN motor 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 Feed Back: Green Open, Yellow Closed, White Common	**Position Feedback: Blue & Grey Open, Yellow & White Closed**