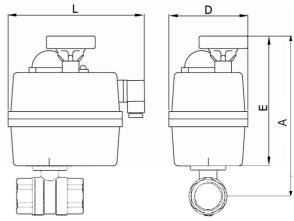


$VFE\mathchar`-160$ - Electrically Actuated 2 Way Brass Ball Valve

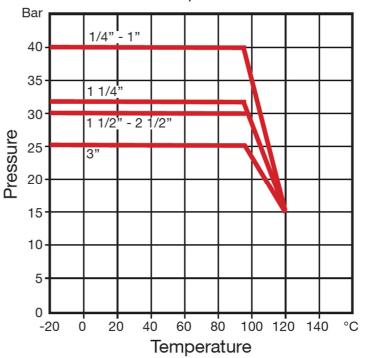
Actuator	VF-0S							VF-1S		
DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
A	198	198	198	202	206	211	227	233	286	296
E	169	169	169	169	169	169	169	169	196	196
L	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
D	110	110	110	110	110	110	110	110	110	110
Operating Time	10s	10s	10s	10s	10s	10s	10s	10s	13s	13s



	Actuator Specification	Valve Specification		
Enclosure	Weatherproof IP67	Body	Chrome Plated Brass CW617N	
Power	24V to 240V AC / 24V to 110V DC	Seats	PTFE	
Limit Switches	4X SPDT microswitches (2 motor stop and 2 confirmations)	Seals	PTFE / Viton	
Anti-Condensation Heater	3.5W	Connection	Screwed BSP Taper	
Connector	Large = EN175301-803 Form A / Small = DIN 43650/C	Maximum Pressure	1/4" - 1" - 40 Bar	
Operating Temperature	-20°C to +70°C		1 1/4" - 32 Bar	
Manual Override	Declutching Handwheel		1 1/2" - 2 1/2" - 30 Bar	
Cover, Body, Cams Material	Polyamide A6			
Options:	Battery Failsafe		3" - 25 Bar	
	Digital Positioning System (4-20mA, 0-10V)	Valve Operating Temperature	-20°C to +120°C	
	180° and 270° operation	Ambient Temperature	-10°C to +50°C	
	12V AC/DC power supply	Bore	Full Bore	



Pressure / Temperature:



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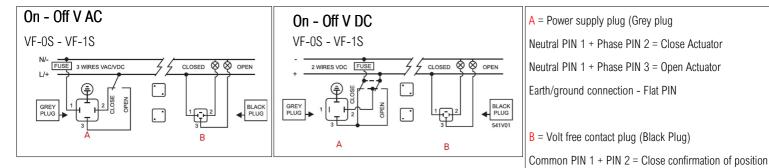
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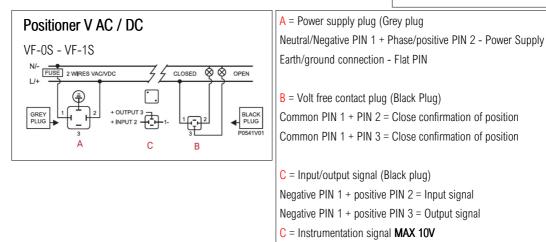
VFE-160 - Electrically Actuated 2 Way Brass Ball Valve

LED Status Indication					
No power	LED off				
Actuator Fully Open	Red Led Solid				
Actuator Fully Closed	Green Led Solid				
Moving Open > Closed	Red and Orange Flash				
Moving Closed > Open	Green and Orange Flash				
Torque lim. Engaged Open > Closed	Red Blinking				
Torque lim. Engaged Closed > Open	Green Blinking				
Manual Mode Engaged	Orange Blinking				
Battery Failsafe Activated Normally Open	Red Intermittent				
Battery Failsafe Activated Normally Closed	Green Intermittent				
Battery Failsafe Needs Charging	Orange Intermittent				
Digital Positioning System Stationary	Blue Solid				
Digital Positioning System Opening	Blue and Green Flash				
Digital Positioning System Closing	Blue and Red Flash				

Standard Electrical Connections



Common PIN 1 + PIN 3 = Close confirmation of position



Digital Positioner System: Earth should not be connected to avoid self adjustment of the actuator position

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