



**JV240019**  
**Nickel Plated Brass**  
**Pneumatic Operated**  
**Ball Valve**  
**c/w VT Pneumatic Actuator**  
**BSPP Threaded**



The JV240019 WRAS approved brass bodied full bore ball valves are suited for a many applications offering reliability at an economical cost.

These valves are supplied completely assembled with either single (spring return) or double acting pneumatic actuators.

All valve and actuator packages are tested and issued with certification confirming the actuators functionality before despatch.

**Approvals, Features & Benefits**

- WRAS approved valve (160 Range)
- Full bore minimizes pressure loss
- Suitable for a wide range of duties
- Complete assembled package
- Air connection to Namur/VDE 3845 on actuator
- Double or single (spring return) acting actuator

**Pressure & Temperature**

Pressure range:-  
 1/4"-1" PN40 rated  
 1 1/4" PN32 rated  
 1 1/2"-2" PN30 rated  
 Temperature range\*:-  
 -20°C to 120°C

BSPP	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
<b>A</b>	64	64	64	76	88	96	103	121	165	188
<b>B</b>	11.5	15	15	20	25	32	38	45	62	76
<b>C* (s)</b>	119	119	119	122	126	150	177	184	210	220
<b>C* (d)</b>	119	119	119	122	126	131	147	154	200	210
<b>D (s)</b>	154	154	154	154	154	189	210	210	210	210
<b>D (d)</b>	154	154	154	154	154	154	154	154	189	189
<b>Torque (Nm)*</b>	3	3	3	4	5	10	15	15	20	20
<b>Kv</b>	5.4	6.0	16.2	29.4	43.0	89.0	230.0	264.0	538.0	870.0
<b>Weight Kg (s)</b>	1.8	1.8	1.6	1.9	2.1	3	3.8	4.6	7.4	9
<b>Weight Kg (d)</b>	1.5	1.5	1.3	1.6	1.8	2.1	2.3	3.2	5.7	7.3

(s) Single acting - Spring return (d) Double acting

ACTUATOR SPECIFICATIONS	
<b>Air Pressure</b>	2.5 to 8 bar (Based on 5.5 bar air supply as standard)
<b>Ambient Temp</b>	-15 to 80°C (Low and high temp versions also available)
<b>Cycle Life</b>	1,000,000 Operations
<b>Indicator</b>	Multifunctional position indicator for visual inspection
<b>Travel Stops</b>	External adjustable ± 5% in both open & closed position
<b>Body</b>	Aluminium alloy
<b>Springs</b>	Stainless Steel
<b>Piston Seals</b>	Nitrile
<b>Piston</b>	Aluminium alloy
<b>End Caps</b>	Aluminium alloy

ACTUATOR OPTIONS	
<b>APL</b>	Valve Position Monitor (Limit Switchboxes)
<b>551 Series</b>	NUMAR Solenoid Spool Valves
<b>HGO</b>	Declutch Manual Override

BALL VALVE MATERIALS	
<b>Body</b>	Brass - Nickel Plated
<b>Ball</b>	Brass - Chrome Plated
<b>Seats</b>	PTFE
<b>Stem</b>	Brass - Nickel Plated

\*Special actuator mounting kit required for temperatures above 80°C, contact sales for details and overall height dimensions