



JV241045

**Electrically Actuated
Stainless Steel**

2-Piece Full Bore Ball Valve

Actuator: JV-M Electric Actuator

Flanged PN40 / PN16 (Depending on size)

**ATEX, Fire-Safe API 607, NACE MR0175
& Exd**

**DNV-GL type approved on request -
(dimensionally differently)**



The JV241045 Stainless Steel bodied full bore, two piece ball valve is flanged and drilled to PN16/40 and is suitable for various applications.

This valve is supplied completely assembled with a JV-M Exd electric actuators which is small, lightweight and compact in design but still offering high output torques.

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

Approvals, Features & Benefits

- Fire-Safe certified to API 607 4th Edition (valve)
- ATEX & Anti-Static device (valve)
- Exd Enclosure (actuator)
- Various voltage options
- Manual override on actuator
- Visual position indicator on actuator

Pressure & Temperature

Pressure range:

DN15-DN50: PN40
DN65-DN250: PN16

Temperature range**:

-29°C to 180°C

**heat prevention kit may be required above 70°C, please consult sales team.

DN	15	20	25	32	40	50	65	80	100	125	150	200
A	144	144	144	144	144	144	178	178	178	303	303	303
B**	**	**	**	**	**	**	**	**	**	**	**	**
L	115	120	125	130	140	150	170	180	190	325	350	400
Operation Time 90°	15	15	15	15	15	15	30	30	30	48	48	48
Actuator Type	JV-M1	JV-M1	JV-M1	JV-M1	JV-M1	JV-M1	JV-M2	JV-M2	JV-M2	JV-M4	JV-M4	JV-M4
Weight Kgs	6	6	7	8	11	14	26	30	38	68	89	140

BALL VALVES MATERIALS

Body	Stainless Steel (CF8M)
Ball	Stainless Steel (316L)
Stem	Stainless Steel (316L)
Seats	TFM1600
O-Ring	Viton

ACTUATOR SPECIFICATIONS

Enclosure	Anti-Explosive Exd IIC T6Gb - IP67	Travel Angle	90° ± 5°
Power Supply	110v AC (50/60Hz) / 220v AC (50/60Hz) / 24V DC	Casing Material	Polyester Powder Coated Aluminium Alloy
Indicator	Visual Position Indicator	Terminal Block	Push Button
Limit Switches	1 Each For Open & Close Position. 1 Each For Feedback Open & Close Position (250v, 10A)	Ambient Temperature	-20 to +70°C
Anti-condensation Heater	5W (110V, 220VAC) 15W (24VDC)	Manual Override	Hand wheel (Self-contained)

ACTUATOR OPTIONS

PK	Potentiometer unit (0~1KΩ)
CT	Position current feedback (4~20mA)
RPC	Input/output 4~20mA, 0~10V, etc.
ATS	Over-torque protection output (1pc)
ALS	Auxiliary limit switch (up to 4pcs)
ICM	LCD display, field operation unit