

Stainless Steel Ball Valve

2 inch • DN50 • With AT75 pneumatic actuator

DN50

NOMINAL SIZE

PN63

VALVE PRESSURE CLASS

3-8 bar

ACTUATOR AIR SUPPLY



Supplier product photograph [1]

ASSEMBLY AT A GLANCE

Valve	DN50 SS304, two-piece [2]
Actuator	AT75, double acting [3]
Drive reducer	14 mm to 11 mm [1]
Listed weight	5.6 kg [1]
Barcode	5903148301082 [1]

Package: valve + actuator + drive reducer. A 5/2 NAMUR solenoid and electrical position feedback are available separately. [1]

VALVE SPECIFICATIONS [1, 2, 4]

Parameter	Value
Nominal size	DN50 / 2 inch
Body / ball	Stainless steel SS304
Construction / flow	Two-piece; full bore
Seats / O-ring	R-PTFE 15% / Viton [4]
Operating pressure	0-63 bar (PN63)*
Medium temperature	-20 to +150 °C [1]*
Process connections	2-inch female thread*
Mounting / stem	ISO 5211; 11 mm square*
Installation / service	Any position; listed as maintenance-free

ACTUATOR SPECIFICATIONS [1, 3, 6]

Parameter	Value
Model / action	AT75; double acting
Rotation	90° [3]
Air pressure	3-8 bar
Air ports / interface	G $\frac{1}{4}$ inch; NAMUR
Ambient temperature	-20 to +80 °C [1]*
Protection	IP65
Position indication	Mechanical indicator
Mounting / drive	F05 / F07; 14 mm square [6]
Opening / closing	Air-pressure and flow dependent; no fixed time stated
Service	Listed as maintenance-free

SELECTION & ORDERING

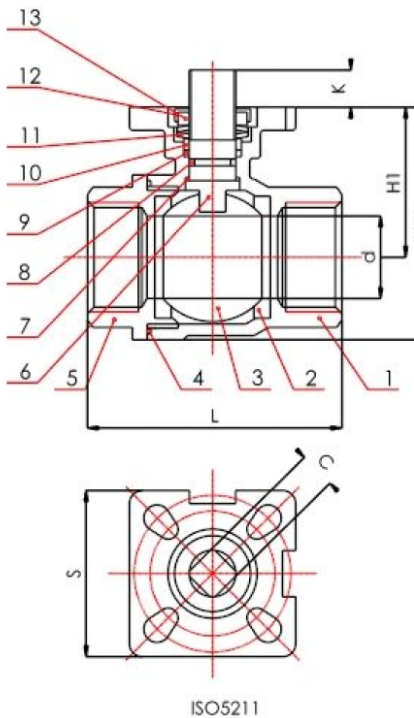
Send JPC the medium, operating pressure and temperature, connection type and quantity. We can confirm the valve, actuator and control arrangement and provide a quotation.

Contact JPC: +356 7908 6997 | www.jpcmalta.com

Dimensions & Connections

DN50 valve body • Source symbols retained • Dimensions in mm

VALVE DRAWING & DN50 DIMENSIONS [4]



Supplier valve drawing; not overall assembly. Not to scale.

Symbol	2-inch / DN50 value
d	50
L	125
K	14
H1	67.5
H2	113
C	11
N·m (listed torque)	25
ISO 5211 (drawing)*	F03 / F04

AT75 DIMENSIONS & OUTPUT TORQUE [3, 5]

Drawing symbol	Value (mm)
A / B	207 / 99.5
C / D	80.2 / 125

Air (bar)	3	4	5	6	7	8
Torque (N·m)	35.3	47	58.8	70.5	82.3	94

Double-acting AT75 values; torque varies with air supply.

SUPPLIER DATA & CONFIGURATION NOTES

Valve rating: description gives –20 to +150 °C; additional/body data give –20 to +180 °C; the drawing gives –25 to +180 °C. PN63 is not a constant rating across that range. Confirm the pressure-temperature duty. [1, 2, 4]

Actuator rating: webpage gives –20 to +80 °C; the AT manual gives –5 to +80 °C for the standard version. Confirm the supplied version. [1, 3]

Mounting / threads: body page lists F03/F04/F05; DN50 drawing lists F03/F04. Confirm the flange pattern and process-thread standard; the package includes a 14-to-11 mm reducer. [1, 2, 4]

Air and control: use dried air filtered to ≤40 µm. The manual calls for oil-mist lubrication above four operations per minute. Double-acting AT75 has no spring return. [3]

SUPPLIER SOURCES & LINKED DOCUMENTS

[1] Complete DN50 / AT75 product listing

[3] AT pneumatic actuator manual

[5] Pneumatic valve / actuator catalogue

Valve CE declaration

[2] DN50 valve body specifications

[4] Valve drawing / dimensions / materials

[6] AT75 actuator specifications

Pneumatic actuator CE declaration