

TIGHTENING TORQUE ON NON-GREASED BOLTS

DN	8	12	15	20	25	32	40	50
Tightening torque in m.kg	1.5	1.5	1.5	2.2	2.2	4	4	8

BALL VALVE MAINTENANCE

If working at high temperatures, a check on body bolt tightness is necessary during the first few uses. To carry out maintenance on internal parts, unscrew the bolts, remove one or two spacers and remove the body. Replace defective parts and put back together as indicated above.

EEC CONFORMITY

Our valves comply with European regulations (EEC) within the limits of use described in paragraph B.

CE mark on the valve indicates the conformity to the following regulations :



- **2014/30/EU** "Electromagnetic compatibility"
- **2014/68/EU** "Pressurized equipment"
- **2014/35/EU** "Low pressure"
- **2006/42/EC** "Machines"

B- Use limits

In case of dangerous gas (1) valve diameter (line) must be below 100 mm.

For use outside these limits, please contact our technical service.

(1) dangerous gas : group 1 gas , identified by a letter on the label and on the security card of the product :

E (for detonating gas), O (for fuel), F+, F and R10 (inflammable), T+ and T (toxic).

For additional information, please see regulation **1272/2008** "Labelling of dangerous products".

SPARE PARTS AND ACCESSORIES

Refer to the general documentation or contact us.

Please contact us in the event of a malfunction.



INSTALLATION INSTRUCTIONS

DBX – DBAX
BALL VALVE

www.definox.com

DEFINOX SAS

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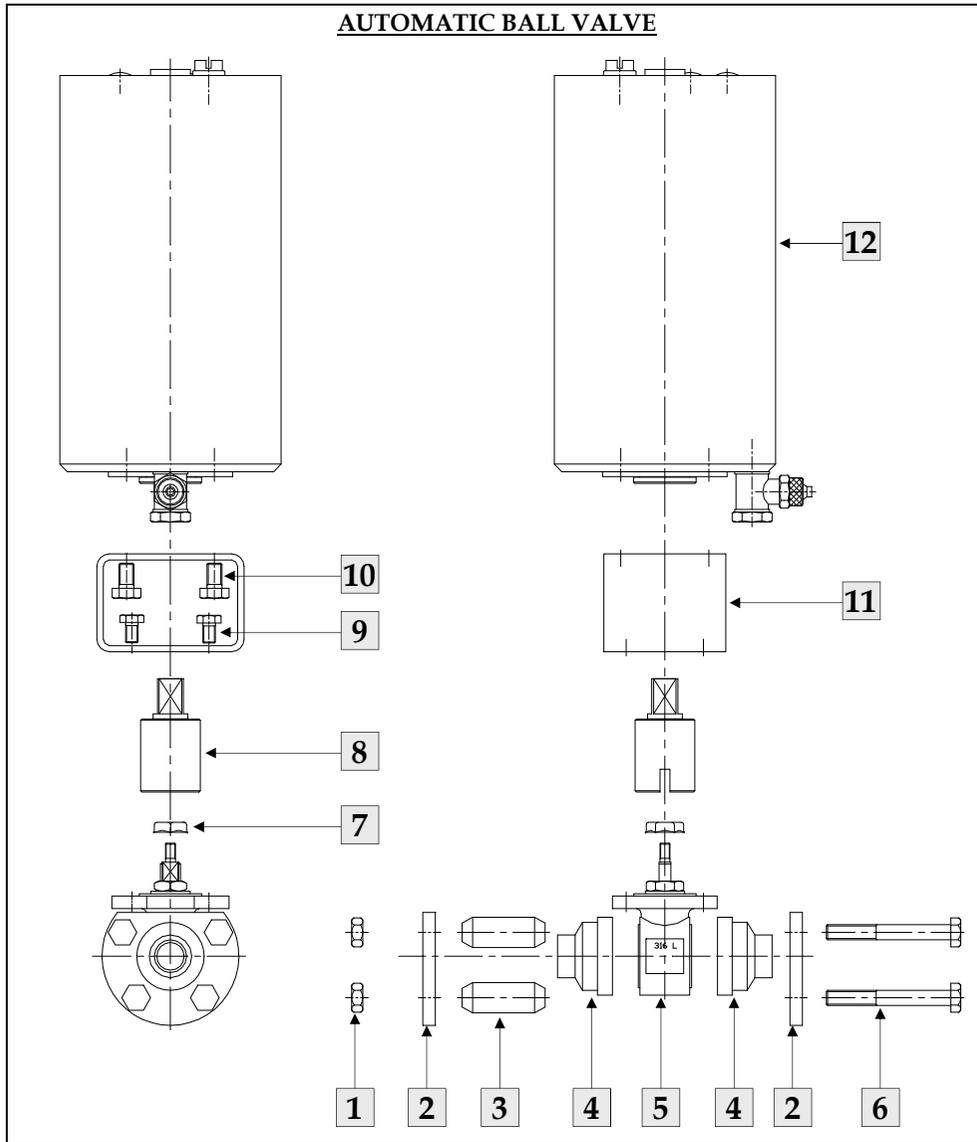
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BALL VALVES

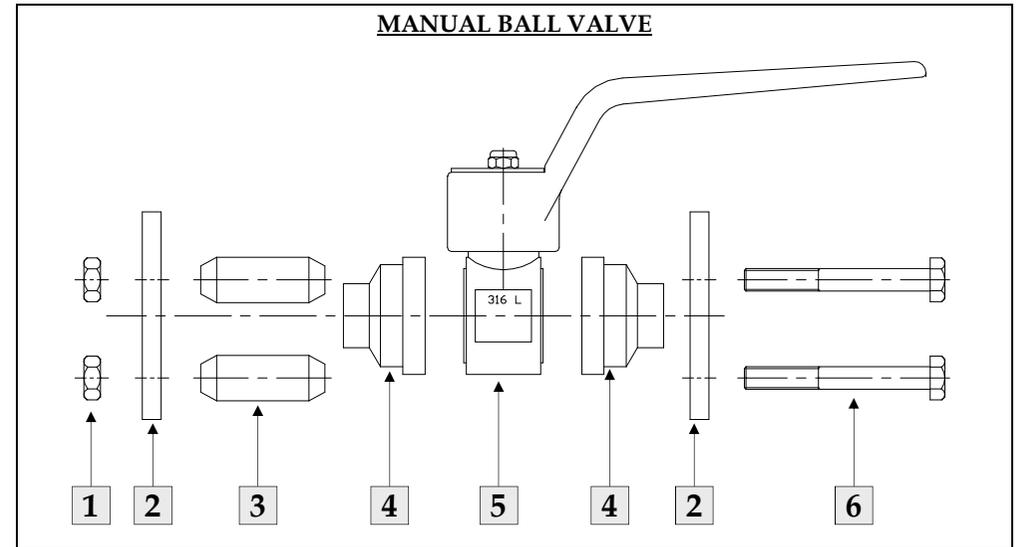
AUTOMATIC BALL VALVE



- 1: Hu nut (Qty 4)
- 2: Flange (Qty 2)
- 3: Spacer (Qty 4)
- 4: End cap (Qty 2)
- 5: Valve body
- 6: Hex. hd. screw (Qty 4)

- 7: Check nut plate
- 8: Driving shaft
- 9: Hex. hd. screw (Qty 4)
- 10: Hex. hd. screw (Qty 4)
- 11: Shackle
- 12: Pneumatic actuator

MANUAL BALL VALVE



Comply with the installation and operating instructions. Take actual working conditions into consideration and observe the technical characteristics of the valve as indicated in the DEFINOX catalogue.

VALVE IDENTIFICATION

DEFINOX ball valves have an identification number. You will need this number in order to identify the spare parts you may request.

SEAL MATERIALS

Standard seals are in PTFE.

INSTALLING A BALL VALVE

Store your valve in its original packaging to avoid damaging it. Unscrew the nuts (1) to release the end caps (4) from the rest of the valve. Thread the flanges (2) onto the tubes before welding. Tack the end caps using a jig to the size of the body (5) or the body itself by removing the seats. Make sure that the faces are parallel and the end caps are aligned before welding.

REFITTING A BALL VALVE

Remove any foreign matter from the inside of the tubes as the slightest particle of metal can scratch the ball and cause a leak. Insert the body assembly between the end caps - it should enter freely (1 to 2 mm clearance) - then position the spacers (3). Do not attempt to force the body in as this would damage the seats which could leak as a result. The body centres itself on the spacers. Adjust the direction of the body around its axis in the "free flange" version. Tighten each of the bolts (1 - 6) gradually to the torque indicated in the table below while ensuring that the end caps are parallel.

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