

# Ball valve industry series

## IOM

### PRECAUTION OF USE :

Before any intervention on the valve, please respect the Indications :

- Before installing the valve, clean the pipes (solder residue, metal shavings, materials sealing, ...).
- Cut the piping upstream and downstream.
- Purge the piping in order to bring it to pressure and ambient temperature.
- Do not use force to align the pipes so as not to exert stress on the valve body.
- Wear the necessary safety equipment for this type of intervention (gloves and glasses).

### INSTALLATION :

Before assembly, carefully check the cleanliness of the sealing surfaces of weld ends or threads.

For all unbalanced devices check their orientation with respect to the normal direction of flow **and mount them in their operating position.**

**Fit the valves with the ball in the open position.**

There are three types of connections depending on the valve model:

- Threaded valves: For installation they must be screwed on the piping.
- Flanged valves: For installation it is necessary to slide, between the valve flange and the counter flange of the piping, the appropriate gasket before proceeding with bolting the flanges together.
- Welding valves: For installation, disassemble the valve flanges must necessarily be welded separately on the piping.

### MAINTENANCE :

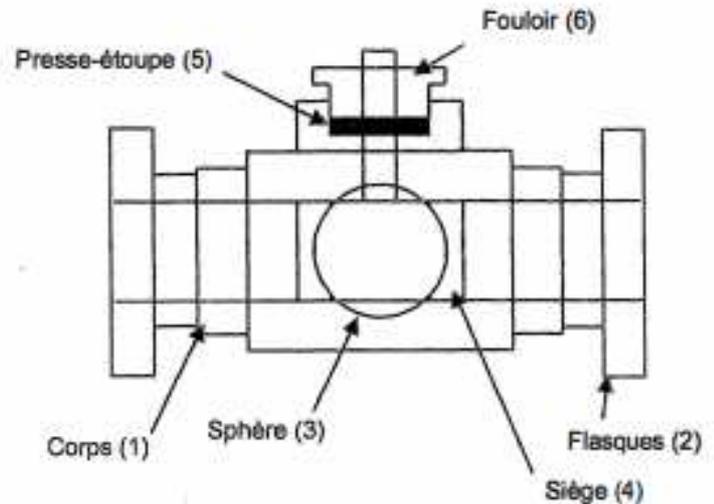
Regularly check for leaks at the level of the cable gland (5). Tighten it up if a leak appears while checking the maneuverability of the valve.

For this operation, dismantle the motor if necessary.

**Warning : All maintenance and upkeep operations must be carried out under the best possible conditions of safety. Before any intervention, the valve must be removed from the installation, respecting the usual precautions mentioned above, which are suitable for both assembly and disassembly.**

Replacing the cable gland (5):

Remove the engine. Unscrew the gland packing gland (6), extract the used rings and replace them with new ones. For the list of spare parts of each valve, please consult our service technical at: +33 (0) 478241461.



- Replacing the seats (4): Flasks (2) Seat (4) Remove the valve from the pipeline. Remove the flanges (2) by unscrewing the tie rods for the 3-piece valves or the flanged valves, by directly unscrewing the end shields for monobloc valves. Remove the sphere (3) and used parts and replace them with new. For a list of spare parts for each valve, please consult our technical department at: +33 (0) 478241461. Reassemble the sphere then the flasks.
- Replacement of the sphere (3): Remove the valve. Remove the flanges (2) by unscrewing the tie rods for the 3-piece valves or flanged valves, directly unscrewing the flanges for monobloc valves. Remove the sphere (3) and replace it. For a list of spare parts for each valve, please consult our technical service at: +33 (0) 478241461. Ride up the sphere, the cable gland then the flanges.

DN (mm)	ISO PN 16				ISO PN 40			
	Boulonnerie		Serrage (Nm)		Boulonnerie		Serrage (Nm)	
	Nbre	Ø	Acier	Inox	Nbre	Ø	Acier	Inox
10	4	M12	84.8	53	4	M12	84.8	53
15	4	M12	84.8	53	4	M12	84.8	53
20	4	M12	84.8	53	4	M12	84.8	53
25	4	M12	84.8	53	4	M12	84.8	53
32	4	M16	205	128	4	M16	205	128
40	4	M16	205	128	4	M16	205	128
50	4	M16	205	128	4	M16	205	128
65	4	M16	205	128	8	M16	205	128
80	8	M16	205	128	8	M16	205	128
100	8	M16	205	128	8	M20	400	250
125	8	M16	205	128	8	M24	691	432
150	8	M20	400	250	8	M24	691	432