

ASSEMBLY AND MAINTENANCE INSTRUCTIONS FOR DN80 to 150 REDUCE BORE AND DN65 to 100 FULL BORE RA BALL VALVES 3rd WAY HORIZONTAL WITH CRYO EXTENSION AND LEVER

Important :

Please notice supplementary assembly and maintenance instructions. Especially, the MECAFRANCE cryo ball valve must not be leaning at more than 45° from the vertical.

Storage:

MECAFRANCE ball valves must be stored in a dry and clean place, preferably at room temperature. Ensure that the clean bag is safe.

Installation:

The MECAFRANCE ball valve is ready for installation once the clean bag has been removed.

Maintenance:

Apart from exchanging worn parts, MECAFRANCE ball valve requires virtually no maintenance. During operation, ensure that the MECAFRANCE ball valve is always in the open or closed position. Intermediate position can damage the seats (5) and must therefore be avoided. Depending on operating conditions, check the packing gland (7) and tighten the seal if necessary (13).

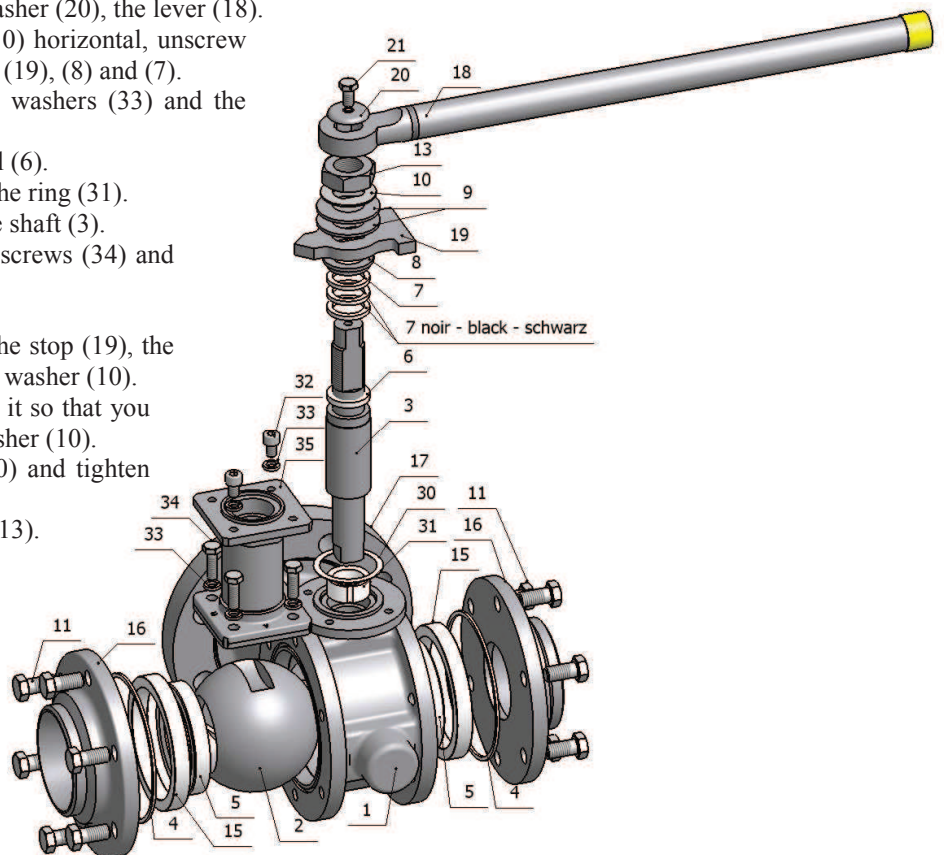
Exchanging the ball and the seats:

Caution: The ball valve may still contain medium.

- Open the MECAFRANCE ball valve with the lever (18).
- Remove all the screws (11).
- Remove the body (1), move the ball (2) to the closed position and remove together with the seats (5) and the centering rings (15).
- Examine the ball for damage and replace it if necessary.
- Insert the ball (2) with new seats (5) and the centering rings (15).
- Replace the body gaskets (4).
- Reassemble the valve.


Exchanging the shaft seals:

- Detach the MECAFRANCE ball valve as described.
- Unscrew the screw (21), remove the washer (20), the lever (18).
- Bend the tongue of the lock washer (10) horizontal, unscrew the nut (13) and remove parts (10), (9), (19), (8) and (7).
- Unscrew the screws (34), remove the washers (33) and the extension body (35).
- Remove the shaft (3) with the shaft seal (6).
- If necessary, replace the seal (30) and the ring (31).
- Reinstall the new shaft seal (6) with the shaft (3).
- Replace the extension body (35) with screws (34) and washers (33).
- Replace the new shaft packing (7).
- Assemble the shaft seal follower (8), the stop (19), the two Belleville washers (9) and the lock washer (10).
- Tighten the shaft nut (13) and position it so that you can roll back the tongue of the lock washer (10).
- Replace the lever (18), the washer (20) and tighten the screw (21).
- After 48 hours, retighten the shaft nut (13).



Examination:

Performance and leak tests have been carried out to the same extent as for the first examination. The corresponding technical rules have to be respected. For guarantee, original MECAFRANCE spare parts should be used only.

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