

# MECAFRANCE

**Before installation, these instructions must be fully read and understood.**

### Storage & Protection

Packed valves are to be stored off the ground in a clean, dry, indoor area.

Valves are delivered with protection covers, which should be left in place until immediately before fitting to the pipe.

### End of line

All valves can be installed in end of line.

### Operation & Maintenance

All valves are clockwise to close. Actuators on valves are set at the factory.

No routine maintenance is required other than periodic inspection to ensure satisfactory operation and sealing.

Any sign of leakage, you must depressurize the valve before operating on the valve. Please refer to Product Manual.

### Spare parts

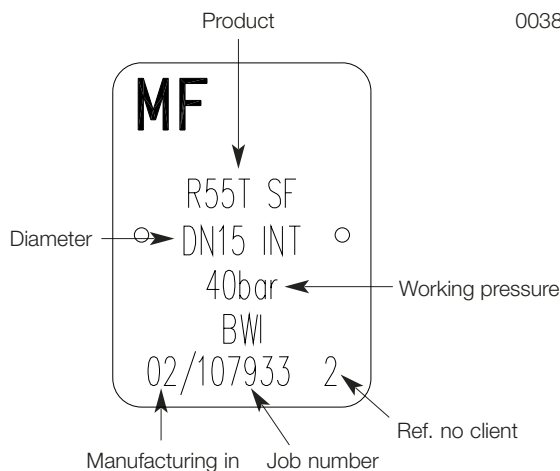
Only use Mecafrance spare parts. For detailed information please refer to Product Manual. References on the valve label shall be quoted for any spare parts inquiry.

Product Manuals (Installation, Maintenance and Operation instructions) are available on request with:

Phone : +33 (0)323 814300  
Fax : +33 (0)323 811869  
<http://www.tycovalves.com>

### CE Label: Category I, II, III

#### DN25 and smaller



### Precautions



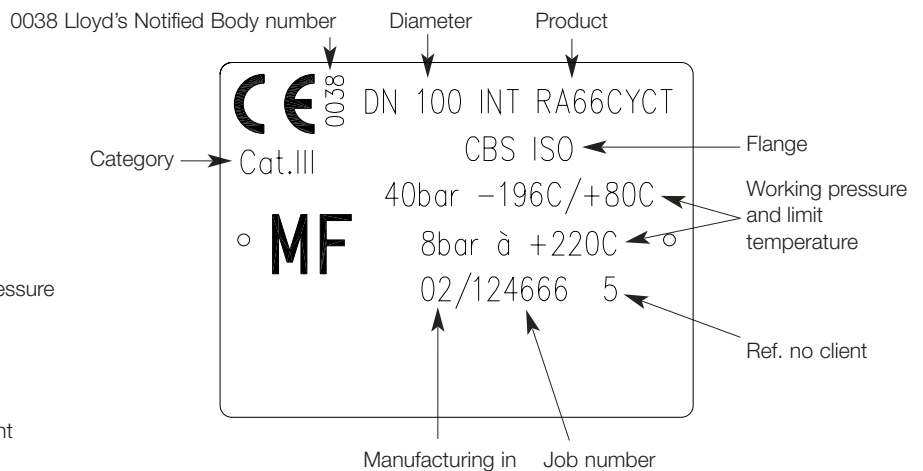
For safety reasons, it is important to take the following precautions before you start work on the valve:

1. Personnel making any adjustments to the valves should utilize equipment and clothing normally used to work with the process where the valve is installed.
2. The line must be depressurized, drained and vented before installing the valve, if necessary, to avoid injuries.
3. Personnel trained in all aspects of manual and mechanical handling techniques must carry out handling of all valves.
4. Ensure the valve pressure/temperature limitations marked on the identification label are above or equal to service conditions (P/T diagram in product manual).
5. Ensure the materials' valve with code, marked on the identification label, are compatible with the fluid process.

### Installation (detailed instructions in Product Manual)

1. Valves are bi-directional except those fitted with flow direction arrow.
2. Remove protective covers and packaging.
3. Ensure that mating flanges, gaskets and weld profiles are clean and undamaged.
4. Ensure mating pipe flanges are aligned correctly.
5. Spread the flanges to fit the valve easily.
6. The system will need to be flushed clean in case of particles in piping before installation.
7. Fit the valve onto pipework ensuring easy access of the operating mechanism.
8. In any case, tighten the bolts progressively in a diagonal pattern.
9. For welded ends, do not disassemble the valve and weld the valve fully assembled in line, valve opened without lever or actuator, do not rotate the valve before the valve has fully cooled down, do tighten the body bolts in diagonal pattern after cooling. If the valve is disassembled, body seals should be replaced.
10. During pipe flushing, valves must be partially opened to clean cavities within valve body.
11. If necessary, the customer must arrange extra support for the valves
12. For the cryogenic valves, the cryogenic extension shall be installed at any position between 10 and 2 o'clock.

#### DN32 and larger



### Mecafrance ball valves

Ball valves 1/4 turn, body in 2 or 3 parts, 2 or 3 ways, DN 8 to 250, all types of threaded, weld and flanged ends, with options; jacketed valves, stem extension housing for cryogenic applications.