

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

Only Cat.I valves can be installed in end of line. Others categories on request. For detailed information, please refer to Product Manual.

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 from packing gland (JHP) should be addressed immediately by depressurizing the valve and tightening the gland screws and evenly (JHP). If there is any leakage, please refer to Product Manual.

Spare parts

Only use Sapag 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

E-mail : sapaginfo@sapag-valves.com

Other languages on website:

<http://www.sapag-valves.com>

Precautions



WARNING

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

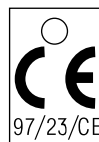
1. Personnel making any adjustments to the valves should utilize equipment and clothing normally used to work with the process where the valve is installed.
2. The line must be depressurized, drained and vented before installing the valve, if necessary, to avoid injuries.
3. Personnel trained in all 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)

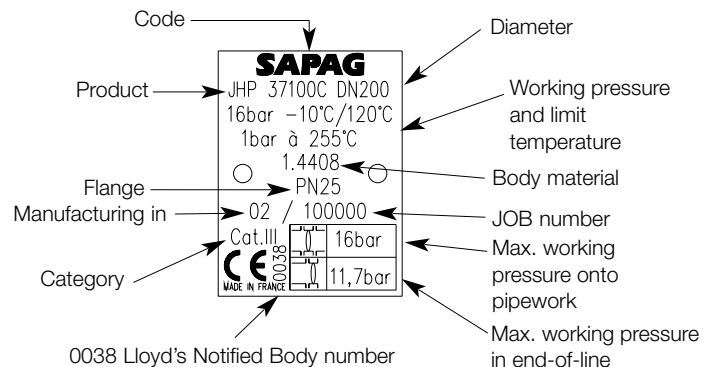
1. Valves are bi-directional except Clasar, Monovar, JHP in special conditions.
2. Remove protective covers.
3. Ensure that mating flanges, valves faces and gaskets are clean and undamaged.
4. Ensure mating pipe flanges are aligned correctly.
5. Spread the flanges to fit the valve easily.
6. The system 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. Tighten the flange bolts in a diagonal pattern.
9. Check the valve operation (no interference between disc and pipe).

Important: Do not finish weld the flanges to the pipe with the valve in place.
Do not install the valves JMC, JMH, JMA, Climat with gaskets.

CE Label: Category I



CE Label: Category II, III



Product list

| Sapag Products | Code (5 numbers) first two numbers for type of valve | Fluid Group | | | | Ref. Product Manual | |
|-------------------------|--|----------------|----------------|-------------------|-------------------|------------------------|--------|
| | | Gas Group 1 | Gas Group 2 | Liquid Group 1 | Liquid Group 2 | | |
| JMC DN50 to DN1000 | 31 / 32 / 33 / 71 / 72 000 | | | X | X | 1 | 158200 |
| JHP DN50 to DN900 | 37 / 77 000 | X | X | X | X | 3 | 158201 |
| RTS DN8 to DN150 | 17 / 18 / 67 / 68 000 | | | X | X | 1 | 158202 |
| JMA DN50 to DN300 | 81 000 | | | X | X | 1 | 158203 |
| JMH DN50 to DN600 | 38 000 | | | X | X | 1 | 158204 |
| Climat DN50 to DN300 | Climat | | | X | X | 1 | 158210 |
| JPL DN50 to DN300 | 39 000 | | | X | X | 1 | 158205 |
| JMC DN1050 to DN2400 | 51 / 61 000 | | | X | X | 1 | 158200 |
| Clasar DN80 to DN1800 | Clasar | | | X | X | 1 | 158206 |
| Monovar DN100 to DN2000 | Monovar | | | X | X | 1 | 158207 |