

## KLEPSAN VALVES OPERATING MANUAL

### MANUFACTURER :

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Dear customer ;

We are thanking to you for choosing our products. Klepsan valves are ISO 9001: 2000 certified by UKAS QUALITY MANAGEMENT and certified by Turkish Standard Institute (TSE) and produced according to TS 3148 and TS 3147 standards. Our products are not harmful for the human health and environment. Klepsan ball valves and gate valves must be installed in accordance with the following instruction.

### WORKING CONDITIONS :

Pressure PN: For 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" max. 40 bar  
For 2", 2 1/2", 3", 4" max. 25 bar

Pressure PN : 16 bar, 25 bar, 40 bar

Temperature: Min. -10 C, Max. +120 C

Installation Position : vertical or horizontal

Flow direction : Either direction

Time of Life : 5 year

1. Suitable for water, non acidic water, air, oil. Can be used in agriculture, greenhouse, and fuel trucks.
2. Installer has the responsibility to ensure that the valves do not exceed the allowable limit of pressure and temperature of the valve.
3. It is not suitable for flammable gas, LPG, Natural gas,
4. Ball valves can be fitted in vertical and horizontal position.
5. Ball valves are designed to be operated using the operating mechanism to the directions shown on the (lever, butterfly, set, etc.). Additional aids should not be necessary.
6. The position chosen for the installation must allow easy access to the valve for maintenance.
7. The fittings used for installing valves should be in standard sizes and tolerance.
8. Threaded valves settle with proper sealers for threads.
9. It is very important that the centers of the valve and pipes section belong to the same line. This is to reduce the risk of uncontrolled loadings on the valve.
10. Piping supports must be carefully lined up and they must have a correct distance according to the size and to the model of pipe. It is important to pay attention to add not unpredictable stress because of an incorrect position of the piping supports.
11. Before installing the ball valves and gate valves, pipes have to be cleaned carefully.
12. During carrying and installing do not drop and harm the valves.
13. During the installation the valve must be held with a spanner the head, to avoid distortion of the valve; never do the opposite. Pipe must be taken not so far from the threaded area to avoid an excessive torsion moment. The male thread on the pipe must have fully formed undamaged threads.
14. The valve should be operated only opened and closed position. The handle should be moved at least twice a year.
15. Make sure to use always original KLEPSAN spares.
16. The valve must be replaced if leakage comes from the valve body or body end connection.
17. To avoid freezing isolate the valve body or empty water from installation.
18. To avoid particle damages coming from the pipe system KLEPSAN Y-Strainers should be installed and the Y-Strainers must be cleaned periodically.



### SERVICE :

For any questions or any spare part requirements please do not hesitate to contact KLEPSAN.

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