## **Instruction Manual**

Ball valves basic version

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#### INSTALLATION, MAINTENANCE AND OPERATIVE INSTRUCTIONS

#### Installation

The valves are bi-directional: they manage the flow in both the directions.

- -Ones have to be sure that the two pipes are correctly allied
- -Ones have to apply the assembling tool at the end that is nearest to the pipe;
- -the sealing materials (teflon or hempen cloth) must be limited at the threat zone.
- -Possible impurities must be filtered.

## Disassembling

Before to unscrew the junctions

- wear the proper protective clothing
- -Take out the pressure inside the line and operate in this way:
  - -positioning the valve in opened position and than empty the line;
  - -handle the valve to put down the residue pressure contained inside
  - -apply the screw tool at the end of the valve nearest the pipe

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# Instruction Manual Ball valves basic version



#### Applies to the following articles:

| Ball valve for potable water                   |                      |  |
|--|----------------------|--|
| Article No.                                    | Type No.             |  |
| 103406 to 103413                               | 3350.701 to 3350.708 |  |
| Ball valve, Manual lever, basic design, IT/IT, |                      |  |

| Article No.      | Type No.             |
|------------------|----------------------|
| 103093 to 103102 | 329.02-R to 329.11-R |

| Ball valve, Manual lever, basic design, IT/ET |                      |
|---|----------------------|
| Article No.                                   | Type No.             |
| 103103 to 103110                              | 329.22-R to 329.29-R |

| Ball valve, Butterfly handle, basic design, IT/IT |                      |  |
|---|----------------------|--|
| Article No.                                       | Type No.             |  |
| 103111 to 103116                                  | 329 42-R to 329 47-R |  |

| Ball valve, Butterfly handle, basic design, IT/ET |                      |  |
|---|----------------------|--|
| Article No.                                       | Type No.             |  |
| 103117 to 103122                                  | 329 52-R to 329 57-R |  |

| Ball drain valve, nickel-plated brass |                  |
|---------------------------------------|------------------|
| Article No.                           | Type No.         |
| 103/16 to 103/19                      | KAH 38 to KAH 10 |

| Ball drain valve, stainless steel 1.4401 |                        |
|--|------------------------|
| Article No.                              | Type No.               |
| 103420 to 103422                         | KAH.12-ES to KAH.10-ES |