

## BIDIRECTIONAL "BASIC" BALL VALVES



### INTRODUCTION

The incorporation of the Bidirectional ball valves supposes an evolution in the family of HIDROTEN ball valves improving a product supported by years of experience in the market.

### Features

- Bidirectionality by its threaded closing ball port (indicative of tightening on the port teflon).
- Ergonomic and symmetric handle with adjusting torque system.
- EPDM and VITON o-rings .
- Posterior chance of installation of actuator by clamp (Ø20-Ø50) or by support (Ø63-90).
- SPHERIC and machined ball and PTFE ball seats.
- Outlets from Ø20 to Ø90 and from 1/2" to 3".
- Solvent socket, female threaded, solvent socket/female threaded and PE outlets.
- Minimum drop pressure.
- Nominal pressure: PN 16 bar in Ø20-63 and PN 10 in Ø75-90.

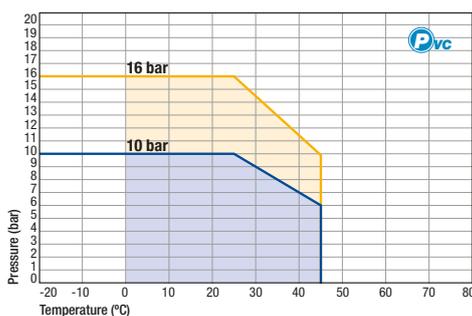
### Applications

The main applications of these valves are in the next sectors:

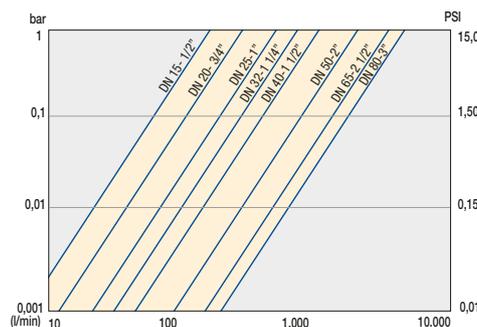
- Industry, swimming pools, agriculture and water treatments.



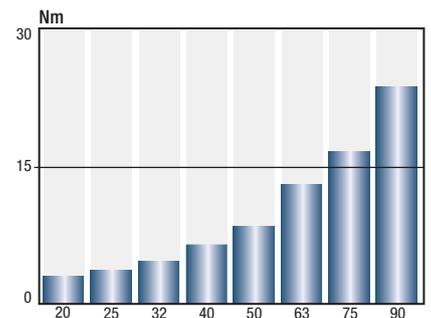
### PRESSURE/TEMPERATURE



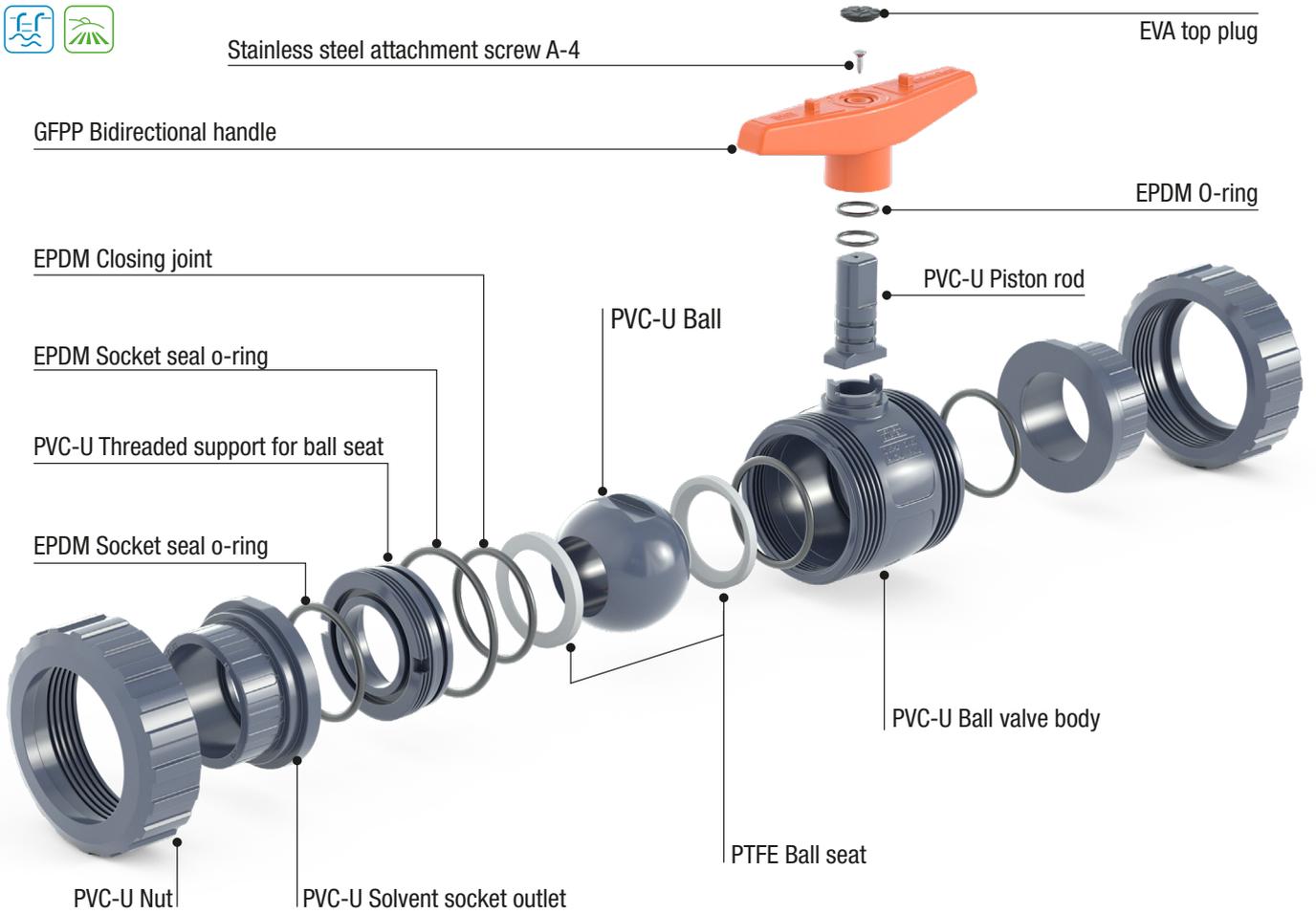
### LOAD LOSS CURVES



### OPERATION TORQUE



**COMPONENTS**



**ASSEMBLY INSTRUCTIONS**



**1.** Remove the valve body from the installation. Loosen the nuts according to the arrows.



**2.** Holding the valve in the closed position, unscrew the nut and remove the handle.



**3.** Adjust the handle to the port teflon. Introducing the serrated part of the handle into the two grooves.



**4.** Tighten up port the port teflon, following the direction marked on port teflon.



**5.** The handle is placed in the initial position and screwed into place.



**6.** We put the valve back into the installation and tighten the nuts again.