

hidroten®

NETWELL
SISTEMAS

Sistemas y Tecnología del agua / Water System Technology

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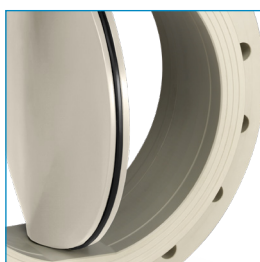
Implex *butterfly valve*



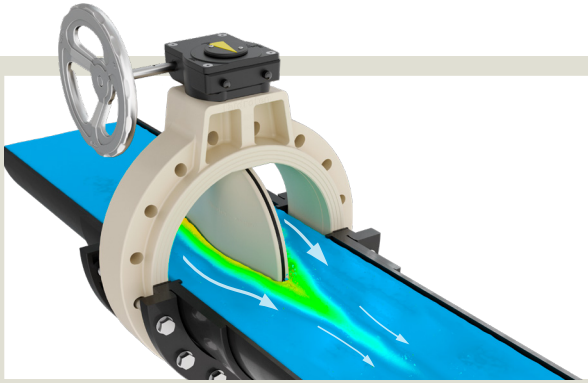
Ø **400**
PN 6



BUTTERFLY VALVES



Hidroten's butterfly valve range includes a **Ø400** model, making it the only domestic manufacturer to produce this size. Manufactured from WRAS-certified PP-R, it features an A-2 stainless steel shaft and precision-machined components to ensure maximum reliability. Operation is smooth and effortless thanks to the gearbox and the **seal integrated into the butterfly disc**, which delivers lower and more consistent operating torque than conventional sealing systems.



■ In large-diameter valves, **minimizing internal turbulence is essential** to improve hydraulic efficiency and reduce the energy losses associated with fluid flow.

The DN 400 butterfly valve incorporates an optimized **disc with an elliptical profile and a perfectly smooth surface**, ensuring a more stable flow through the valve. **This design helps minimize pressure loss and reduce energy consumption in pumping systems.**

■ Direct actuator mounting. ■ Perimeter reinforcement. ■ Elliptical butterfly disc, hydrodynamically optimized to prevent cavitation and minimize pressure loss. ■ Seal integrated into the butterfly disc. ■ PN 6 bar.



Manual gearbox with Inox A-4

PP-R valve body

EPDM or FPM O-ring

Hole for bolt tightening

AISI 420 Inox shaft

PP-R butterfly

EPDM or FPM seal

NYLON shaft guide bush

PP bottom cap

Materials

EPDM (Ethylene-propylene-diene terpolymers)

PP (Polypropylene)

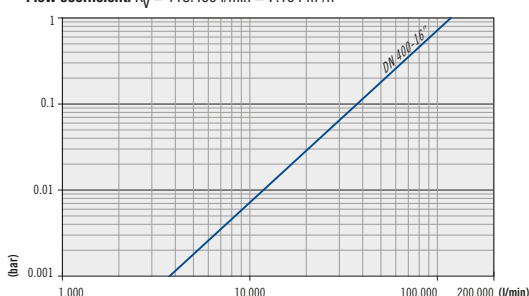
FPM (Fluorinated rubber)

PP-R (Polypropylene random)

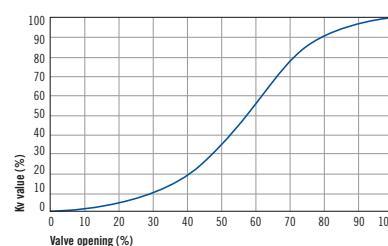
INOX (Acero inoxidable AISI 420)

LOAD LOSS CURVES

Flow coefficient. $K_v = 118.400 \text{ l/min} = 7.104 \text{ m}^3/\text{h}$



FLOW CHART



PRESSURE-TEMPERATURE CHART

