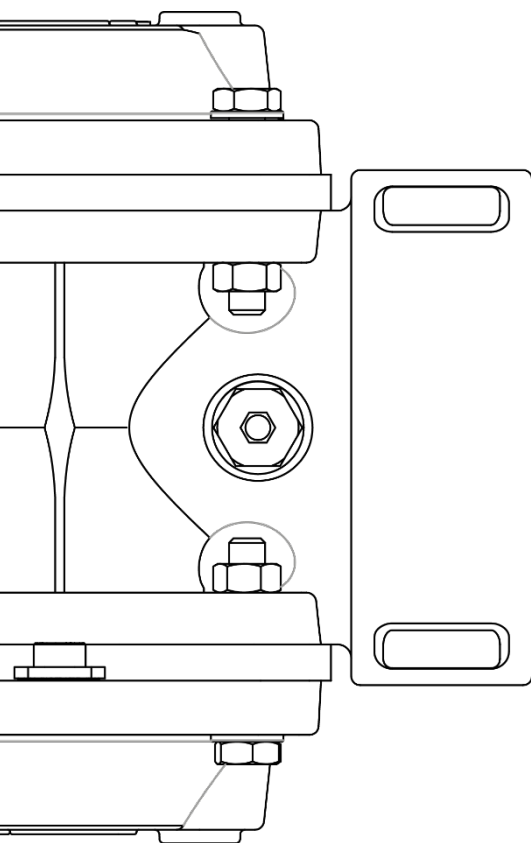


DOUBLE BODIED HYDRAULIC VALVES

- ✓ Allows a greater flow range than a single chamber valve of the same size.
- ✓ **ACCESS AND MAINTENANCE:** It allows an easy access to the inner part of the valve only manipulating the screws between covers and bodies.
- ✓ **POSITION:** Horizontal or vertical position of the valve, does not affect the operation or hydraulic specifications of the product.



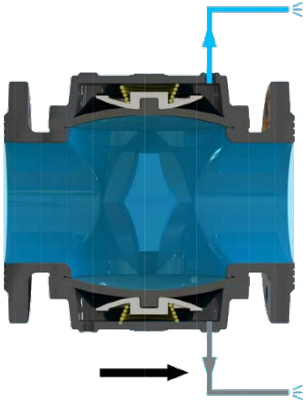
SPECIFICATIONS

- **CONNECTIONS:** Flanges ISO-7005-2 (ANSI or BS under request)
Female BSP thread (NPT under request)
- **DESIGN:** Double bodied line valve.
- **SIZES RANGE:**
Threaded: 2"-3"
Flanged: DN125 -DN150
- **NOMINAL PRESSURE (bar):** PN16.
(psi): PN232.
- **MINIMUM ACTIVATION PRESSURE:**
PN16: 1,5 bar

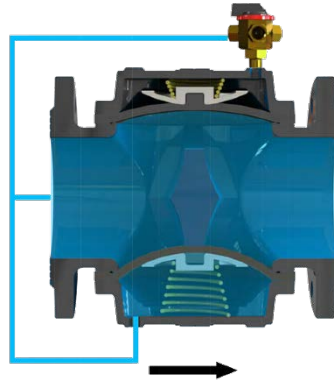
MATERIALS

- **BODY AND COVER:** GG Cast Iron.
- **DIAPHRAGM:** Natural rubber reinforced with nylon.
- **SPRING:** Stainless steel.
- **COVERING:** Epoxy-polyester double covering.

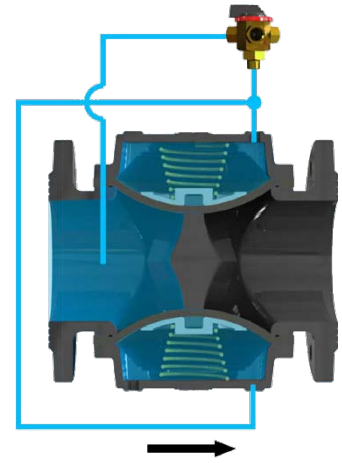
COMETAL hydraulic valves comply with the specifications of the standards **UNE - EN 1074** about valves for the supply of water with reference to **general requirements, mechanical resistance and watertightness**.



When pressure upstream is the minimum activation one, both chambers are completely open. The load loss is minimal.

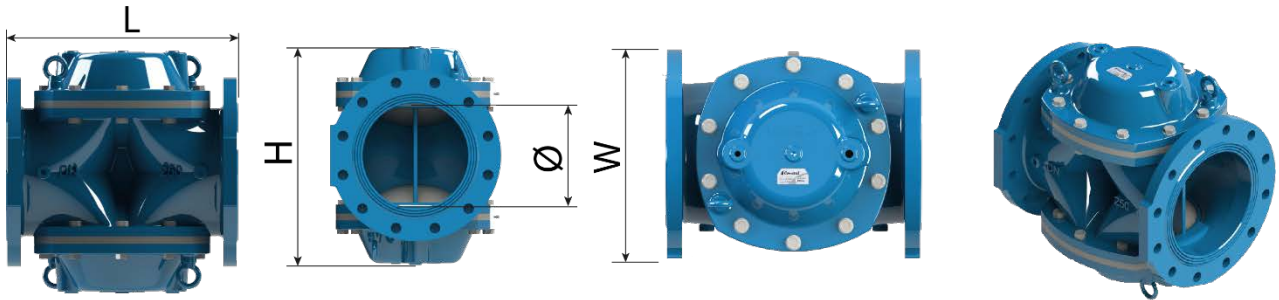


This design has the possibility of working with a chamber always closed, being able to work with two different flow rates.



Linking the two chambers, it works like a valve of simple chamber. In this case the openings and closures should be included in two stages.

DIMENSIONS AND WEIGHTS

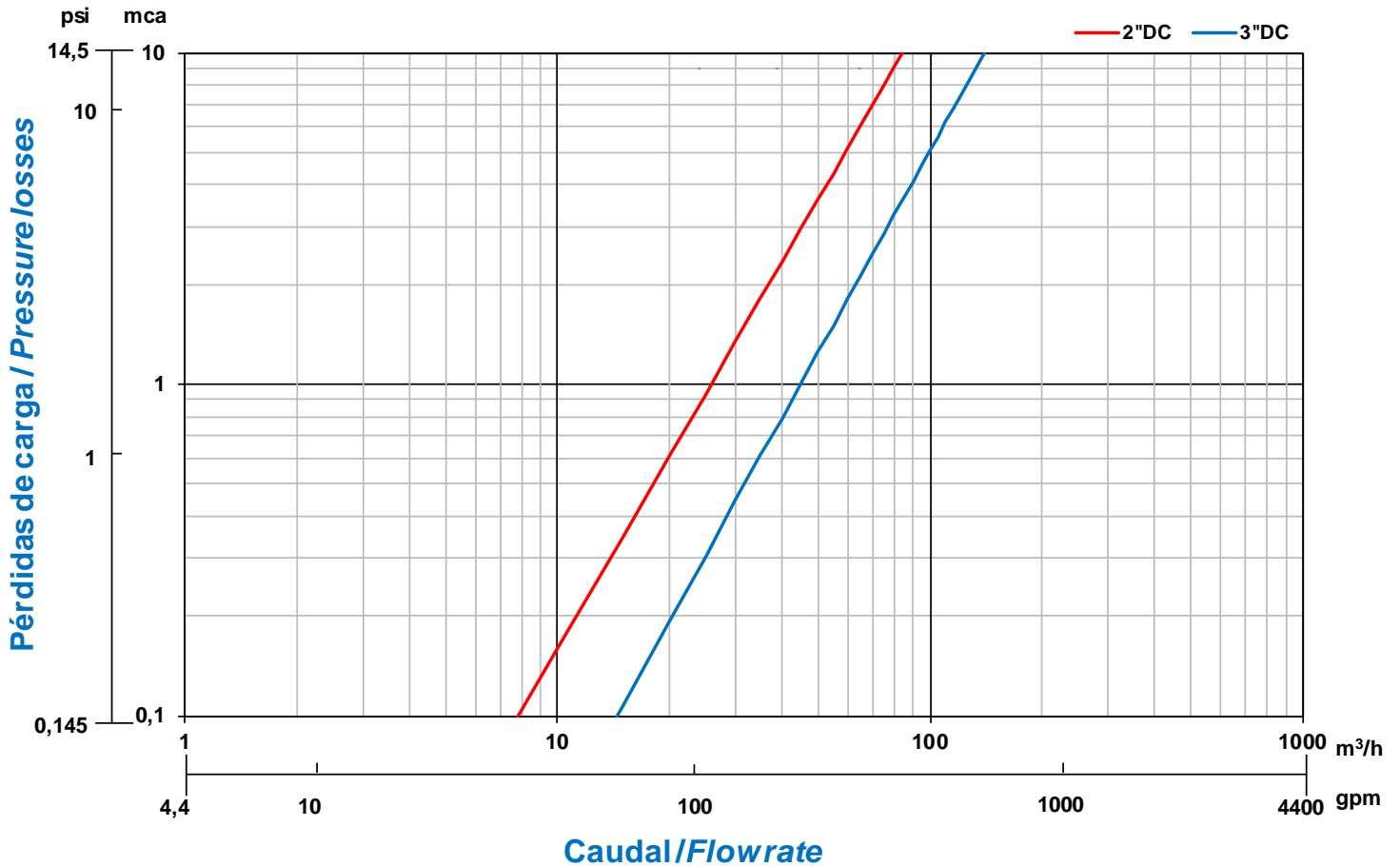


| MODEL | CONNECTION | LENGTH (L) | | HEIGHT (H) | | INSIDE DIAM (ø) | WIDTH (W) | | WEIGHT Kg |
|----------|------------|------------|-------|------------|-------|-----------------|-----------|-------|--------------|
| | | mm | inch | mm | inch | | mm | inch | |
| 2" | ROSCA | 187 | 7.36 | 145 | 5.71 | 2" | 125 | 4.92 | 6,02 |
| 3" (323) | ROSCA | 210 | 8.27 | 175 | 6.88 | 3" | 125 | 4.92 | 8,28 |
| DN125 | BRIDA | 300 | 11.81 | 275 | 10.83 | 5" | 250 | 9.84 | 34,1 |
| DN250 | BRIDA | 496 | 19.53 | 540 | 21.26 | 10" | 380 | 14.96 | 150,3 |

THREAD VALVES



COMETAL valves comply with the following standards for threaded connections:
 BSP. 7.1 ISO - 228.1 ISO - UNE - EN 10226 - BS-EN 10226. ISO standard and European standards.
 NPT. ASME-ANSI B 1.20. American standard.



Friction Head Loss is measured from A to B

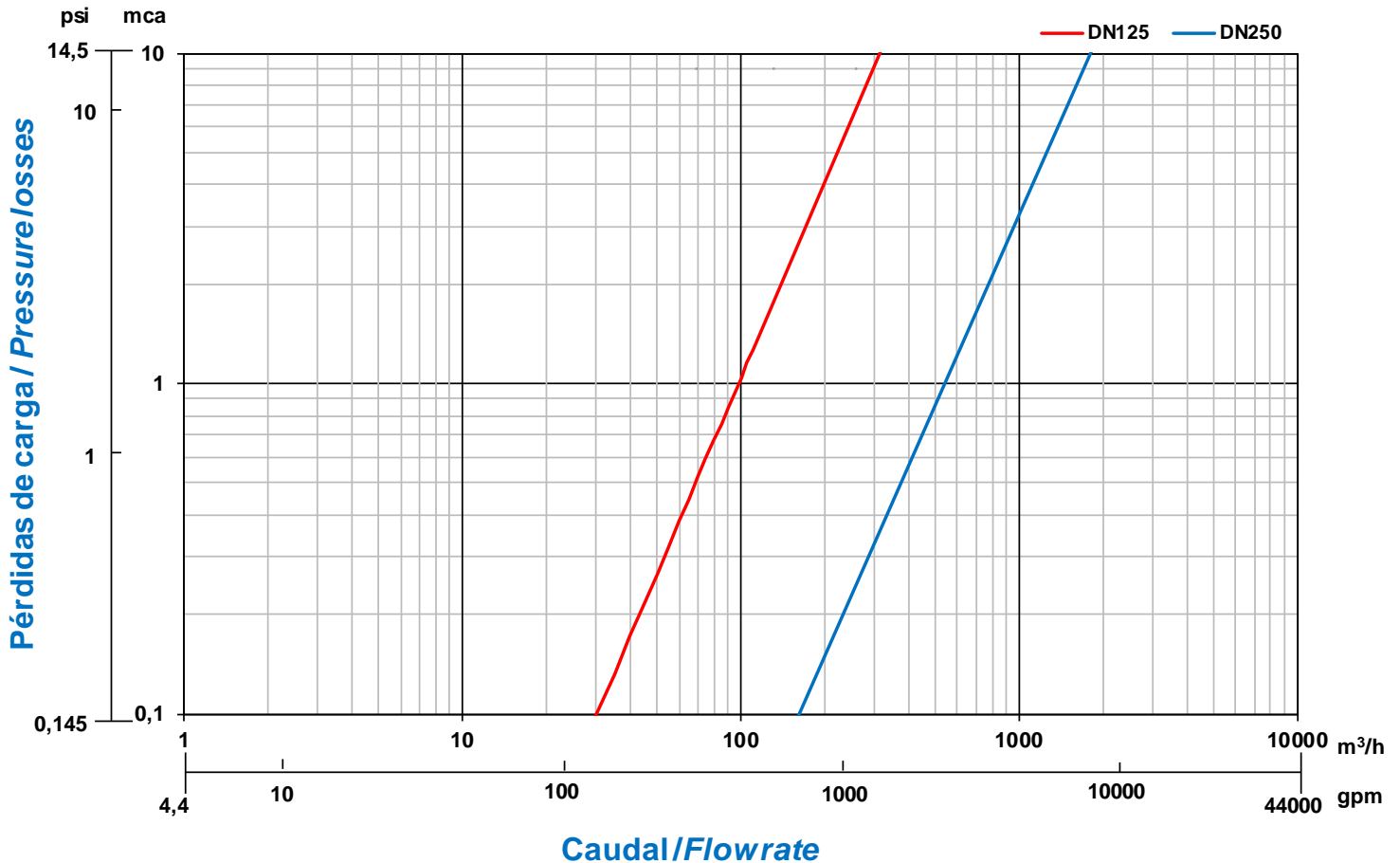
COMETAL hydraulic valves comply with the specifications of the standards UNE-EN 1267 and ISO 9644 in terms of friction head loss tests.

| MODEL | CONNECTION | KV | | CONTROL CHAMBER VOLUME |
|-------|------------|------|-----|------------------------|
| | | m3/h | gpm | litres |
| 2" | THREAD | 85 | 374 | 0,29 |
| 3" | THREAD | 140 | 616 | 0,34 |

FLANGED VALVES



COMETAL valves comply with the following standards for flanged:
 ISO 7005 - DIN - UNE-EN 1092-BS-EN 1092. ISO standard and European standards.
 ASME-ANSI B 16.1 - 16.5 B. American standard.
 AS 2129. Australian standard.



Friction Head Loss is measured from A to B

COMETAL hydraulic valves comply with the specifications of the standards UNE-EN 1267 and ISO 9644 in terms of friction head loss tests.

| MODEL | CONNECTION | KV | | CONTROL CHAMBER VOLUME |
|-------|------------|------|--------|------------------------|
| | | m3/h | gpm | litres |
| DN125 | FLANGED | 315 | 1386.9 | 1,40 |
| DN250 | FLANGED | 1810 | 7969.2 | 9,10 |