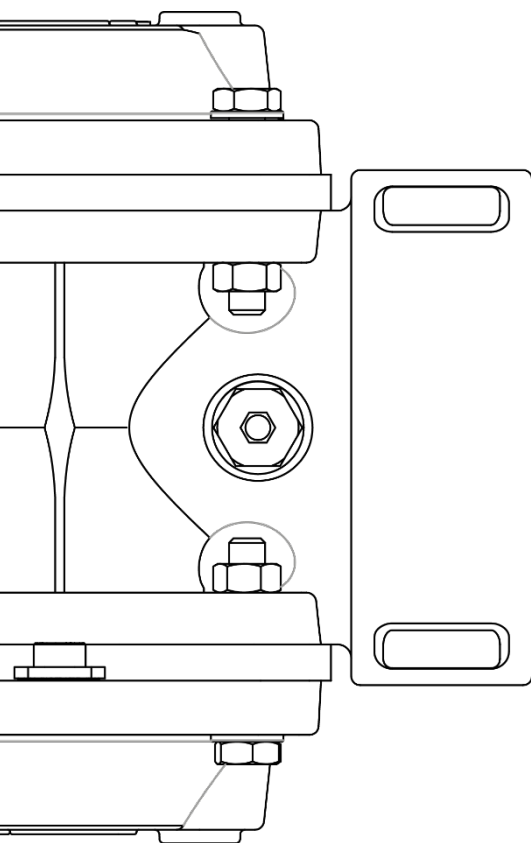


# DOUBLE BODIED HYDRAULIC VALVES

- ✓ 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.



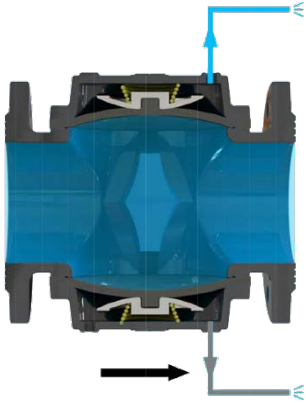
## SPECIFICATIONS

- **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

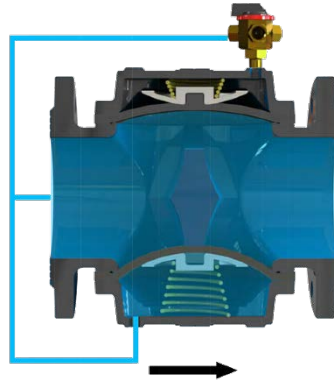
## MATERIALS

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

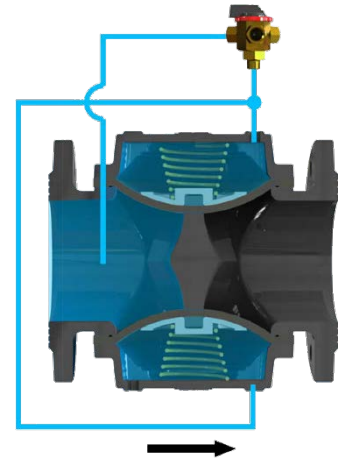
COMETAL hydraulic valves comply with the specifications of the standards **UNE - EN 1074** about valves for the supply of water with reference to **general requirements, mechanical resistance and watertightness**.



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

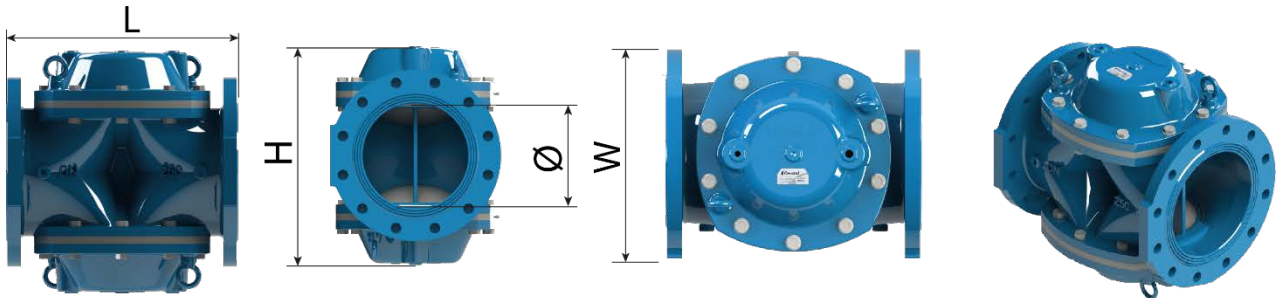


This design has the possibility of working with a chamber always closed, being able to work with two different flow rates.



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



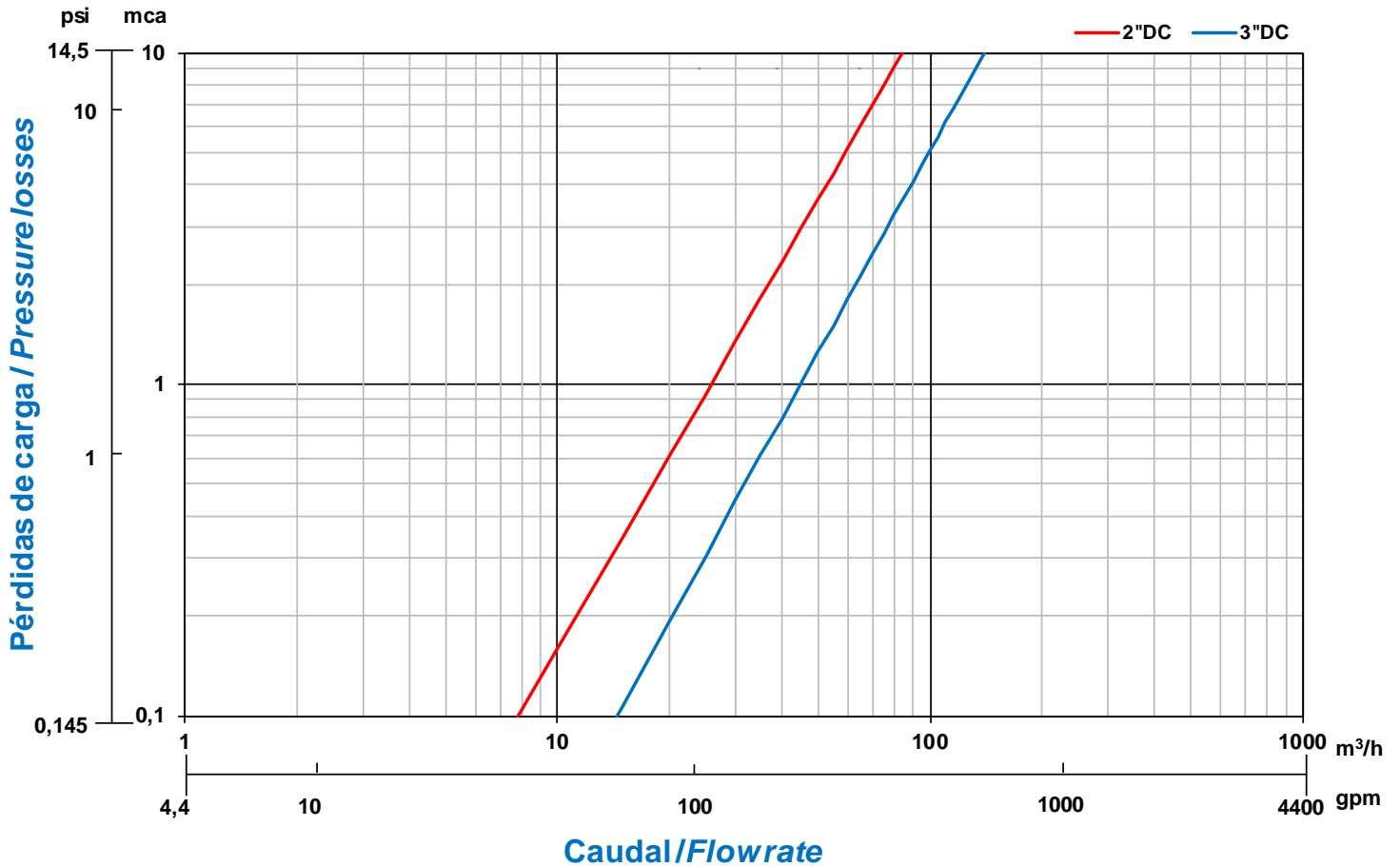
| MODEL    | CONNECTION | LENGTH (L) |       | HEIGHT (H) |       | INSIDE DIAM (Ø) | WIDTH (W) |       | WEIGHT<br>Kg |
|----------|------------|------------|-------|------------|-------|-----------------|-----------|-------|--------------|
|          |            | mm         | inch  | mm         | 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"             | 405       | 15.94 | 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

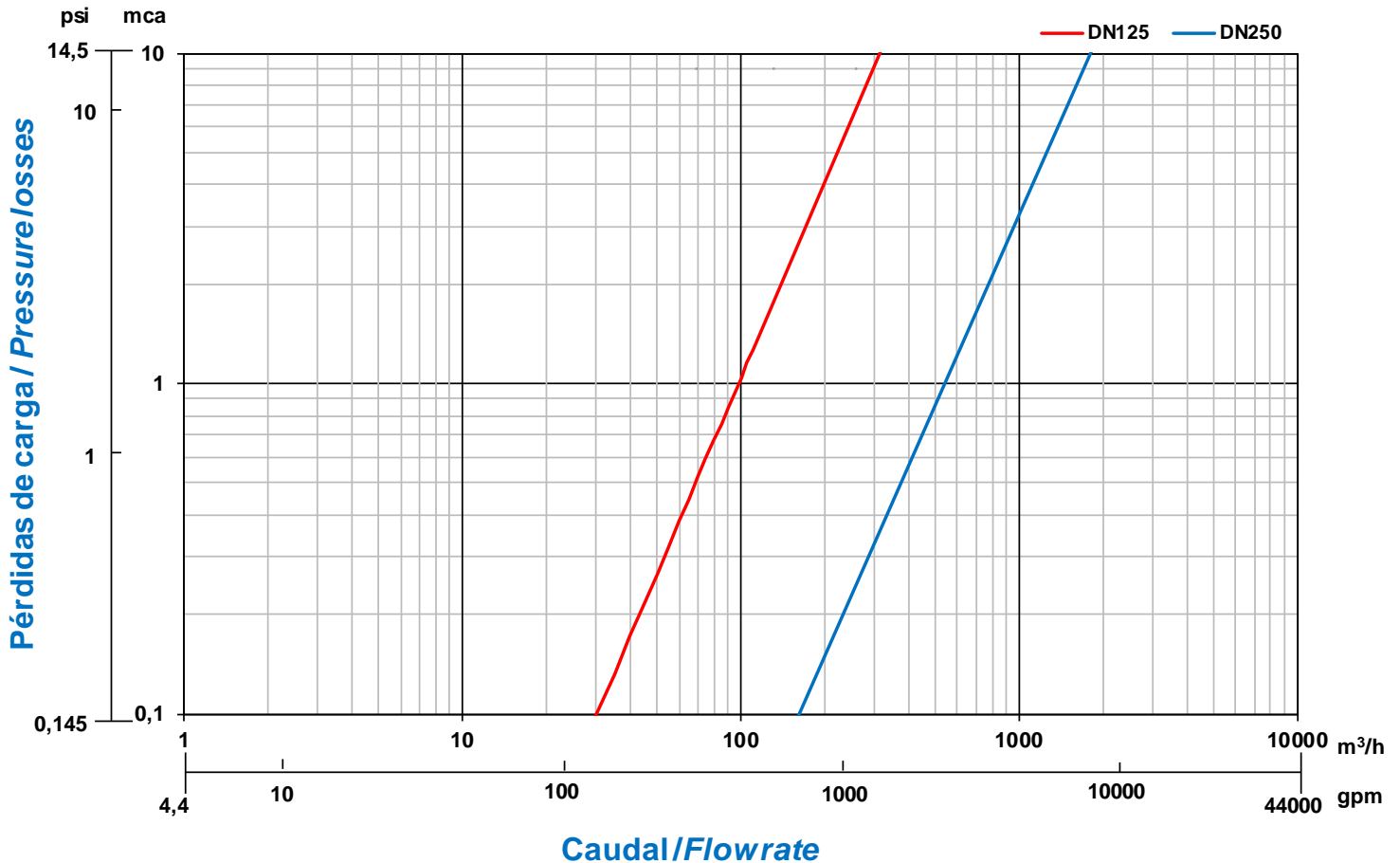
COMETAL hydraulic valves comply with the specifications of the standards UNE-EN 1267 and ISO 9644 in terms of friction head loss tests.

| 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                   |