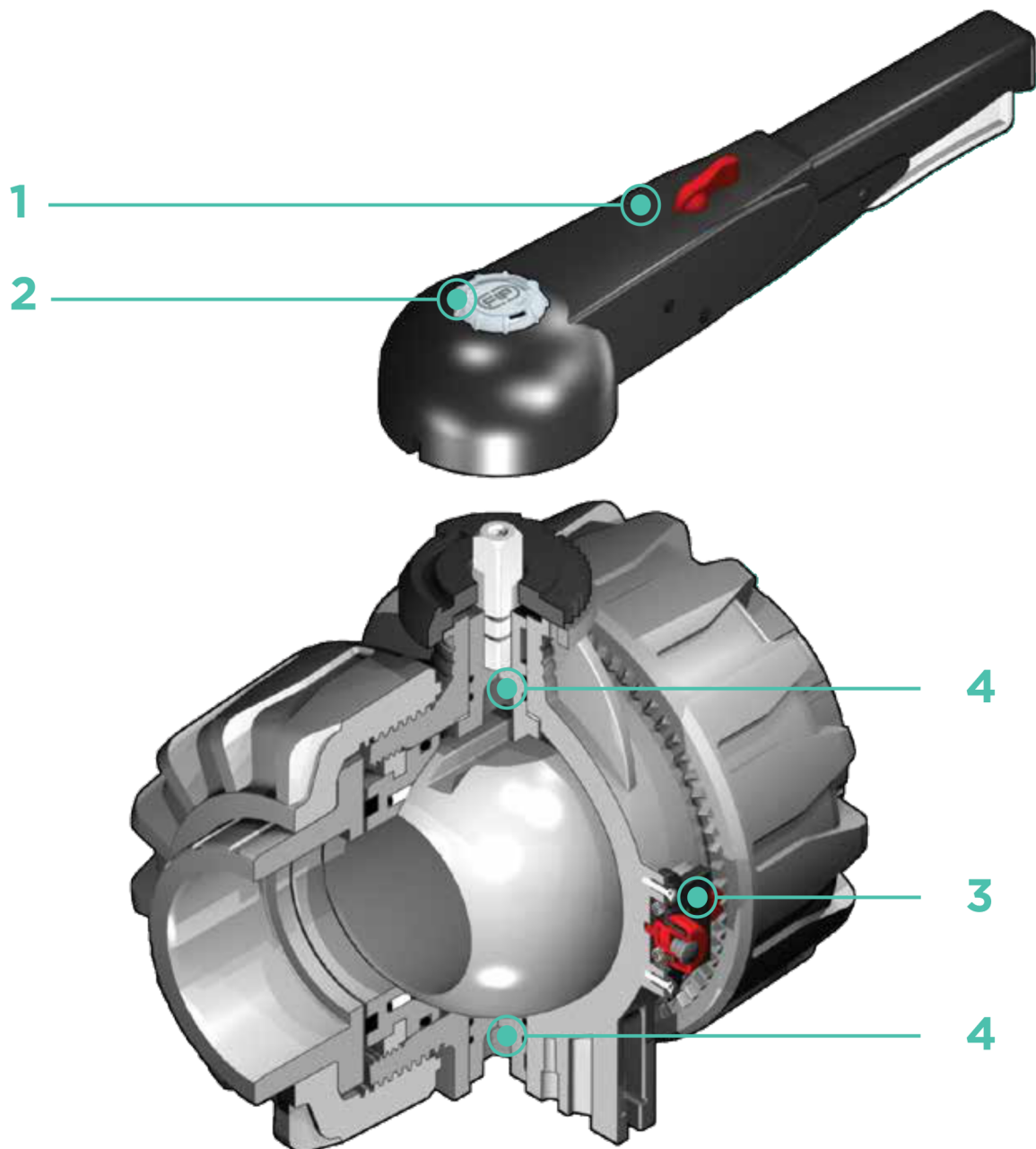


DUAL BLOCK® 2-WAY BALL VALVE

- Connection system for solvent weld, threaded and flanged joints
- Patented **SEAT STOP®** ball carrier system that lets you micro-adjust seals and minimise axial force effects
- Easy radial dismounting allowing quick replacement of O-rings and ball seats without any need for tools
- **PN16 True Union valve body** made for rigid PVC-U injection moulding equipped with built-in bores for actuation. ISO 9393 compliant test requirements
- Option of dismounting downstream pipes with the valve in the closed position
- **Full bore ball** with high surface finish
- **Integrated bracket** for valve anchoring
- Possibility of installing a manual reducer or pneumatic and/or electric actuators by applying an ISO standard bore PP-GR flange
- **STAINLESS steel co-moulded stem**, with square section as per ISO 5211

Technical specifications	
Construction	2-way True Union ball valve with locked carrier and union nuts.
Size range	DN 65 ÷ 100
Nominal pressure	PN 16 with water at 20° C
Temperature range	0 °C ÷ 60 °C
Coupling standards	Solvent welding: EN ISO 1452, EN ISO 15493, BS 4346-1, DIN 8063, NF T54-028, ASTM D 2467, JIS K 6743. Pipe coupling as per EN ISO 1452, EN ISO 15493, DIN 8062, NF T54-016, ASTM D 1785, JIS K 6741.
	Thread: ISO 228-1, DIN2999, ASTM D 2467, JIS B 0203.
	Flanging system: ISO 7005-1, EN ISO 1452, EN ISO 15493, EN 588-1, DIN 2501, ANSI B.16.5 cl.150, JIS B 2220.
	Construction criteria: EN ISO 16135, EN ISO 1452, EN ISO 15493
Reference standards	Test methods and requirements: ISO 9393
	Installation criteria: DVS 2204, DVS 2221, UNI 11242
	Actuator couplings: ISO 5211
Valve material	PVC-U
Seal material	EPDM, FPM; PTFE (ball seats)
Control options	Manual control; electric actuator; pneumatic actuator



1 HIPVC ergonomic multifunctional handle for quick operation, **lock and graduated adjustment in 10 positions**. Possibility of inhibiting rotation with a lock

2 Customisable Labelling System: LCE module made of a transparent protection plug and **customisable tag holder** using the LSE set (available as accessory). The customisation lets you identify the valve on the system according to specific needs

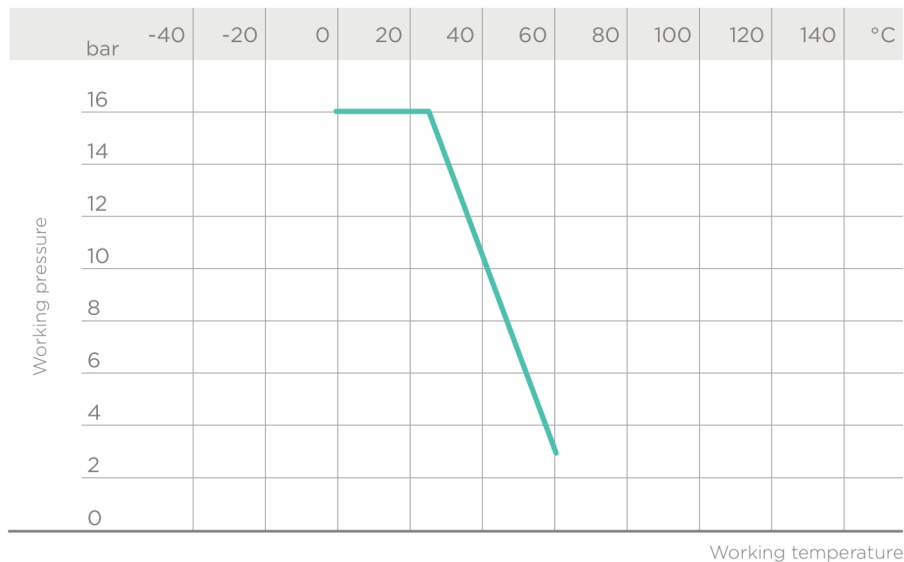
3 **DUAL BLOCK®** patented lock system that ensures union nut tightening hold even in severe conditions such as vibrations or heat dilation

4 **Double stem** with double O-Rings for ball centring and operating torque reduction

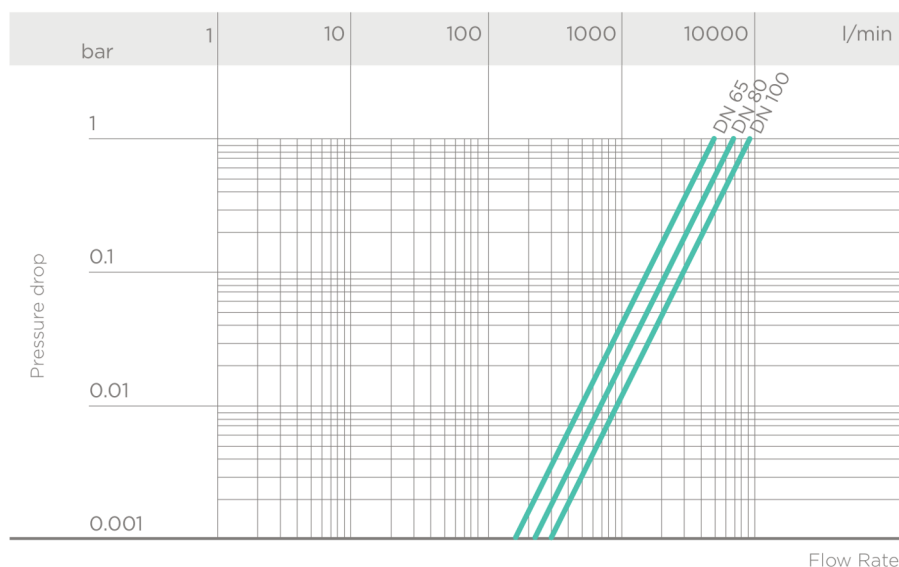
TECHNICAL DATA

PRESSURE VARIATION ACCORDING TO TEMPERATURE

For water and harmless fluids to which the material is classified as CHEMICALLY RESISTANT. In other cases, a reduction of the nominal PN pressure is required (25 years with safety factor).



PRESSURE DROP GRAPH



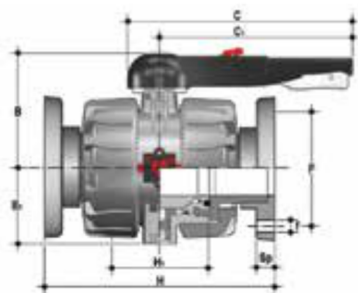
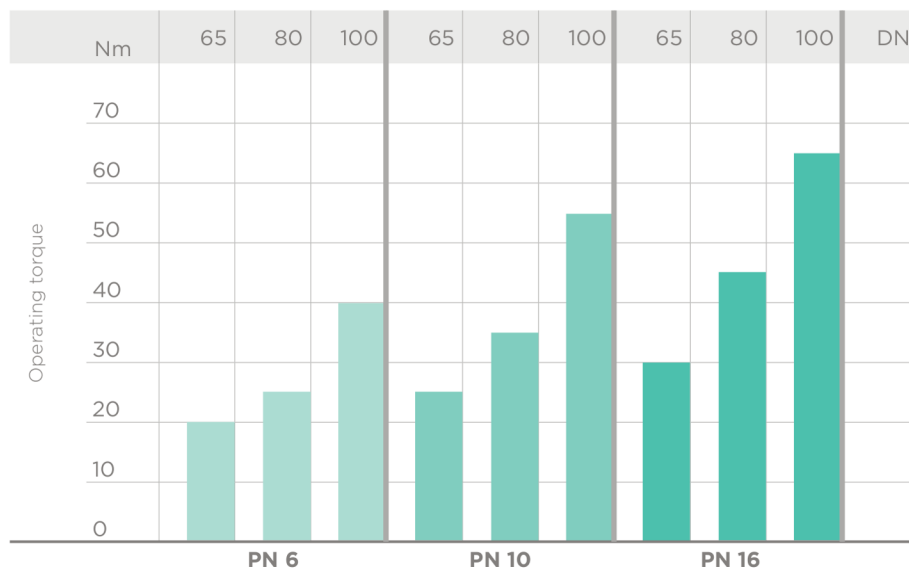
K_v100 FLOW COEFFICIENT

The K_v100 flow coefficient is the Q flow rate of litres per minute of water at a temperature of 20°C that will generate $\Delta p = 1$ bar pressure drop at a certain valve position.

The K_v100 values shown in the table are calculated with the valve completely open.

DN	65	80	100
K _v 100 l/min	5250	7100	9500

OPERATING TORQUE AT MAXIMUM WORKING PRESSURE

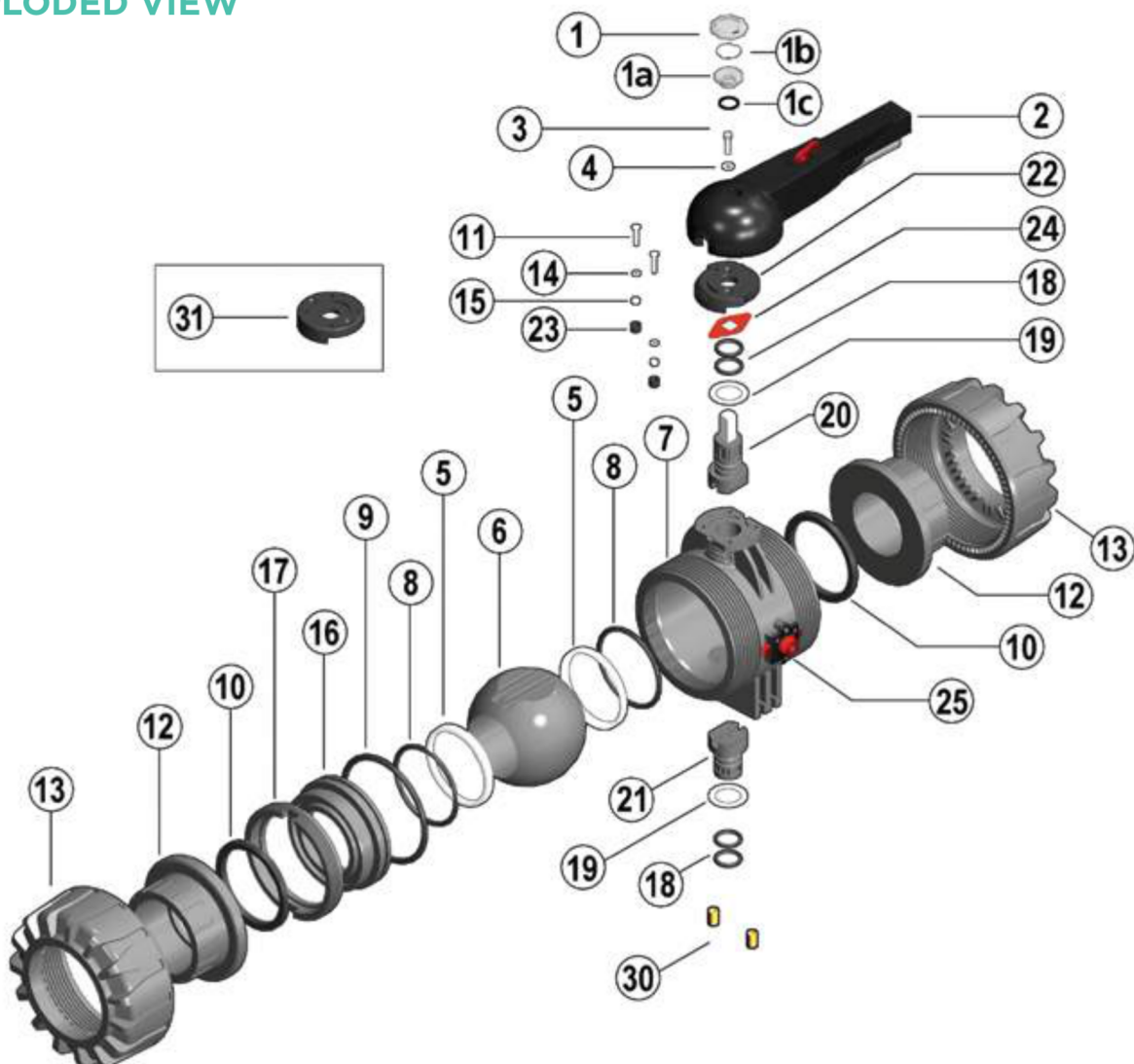


DUAL BLOCK® 2-way ball valve with fixed flanges, drilled ANSI B.16.5 cl.150 #FF.
Face to face according to EN 558-1

d	DN	PN	B	B ₁	C	C ₁	F	f	H	H ₁	Sp	U	g
2" 1/2	65	16	164	87	225	175	139.7	18	290	133	21	4	6610
3"	80	16	177	105	327	272	152.4	18	310	149	21.5	8	9330
4"	100	16	195	129	385	330	190.5	18	350	167	21.5	8	13815

COMPONENTS

EXPLODED VIEW



1-1a · Transparent protection plug (PVC - 1)

1b · Tag holder (PVC - 1)

1c · O-Ring (NBR - 1)

2 · Handle (HIPVC - 1)

3 · Screw (Stainless steel - 1)

4 · Washer (STAINLESS steel - 1)

5 · Ball seat (PTFE - 2)*

6 · Ball (PVC-U - 1)

7 · Body (PVC-U - 1)

8 · Ball seat O-ring (EPDM-FPM - 2)*

9 · Radial seal O-Ring (EPDM- FPM - 1)*

10 · Socket seal O-Ring (EPDM-FPM - 2)*

11 · Screw (STAINLESS steel - 2)

12 · End connector (PVC-U - 2)

13 · Union nut (PVC-U - 2)

14 · Washer (STAINLESS steel - 2)

15 · Nut (STAINLESS steel - 2)

16 · Ball seat carrier (PVC-U - 1)

17 · Threaded ring (PVC-U - 1)

18 · Stems O-Ring (EPDM-FPM - 4)

19 · Anti-friction disk (PTFE - 2)*

20 · Upper stem (PVC/Stainless steel- 1)

21 · Lower stem (PVC-U - 1)

22 · Plate (PP-GR - 1)

23 · Protection plug (PE - 2)

24 · Position indicator (PA - 1)

25 · DUAL BLOCK® (PP-GR + various- 1)

30 · Threaded inserts (Brass - 2)**

31 · Actuation plate (PP-GR - 1)**

* Spare parts

** Accessories

The component material and quantity supplied are indicated in the parentheses.

Abbildungen unverbindlich, Konstruktions-, Maß- und Werkstoffänderungen vorbehalten
illustrations are non-binding, all designs, configurations, measurements and materials are subject to change without prior notice