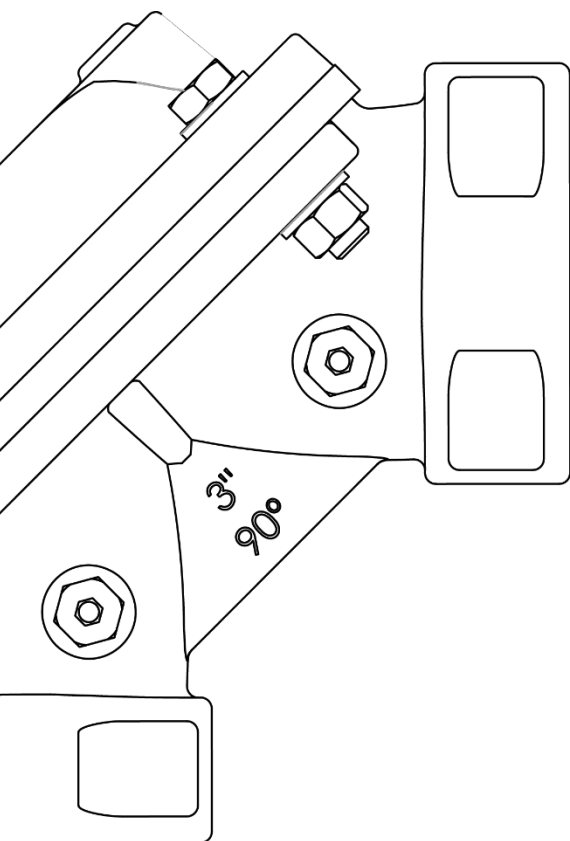
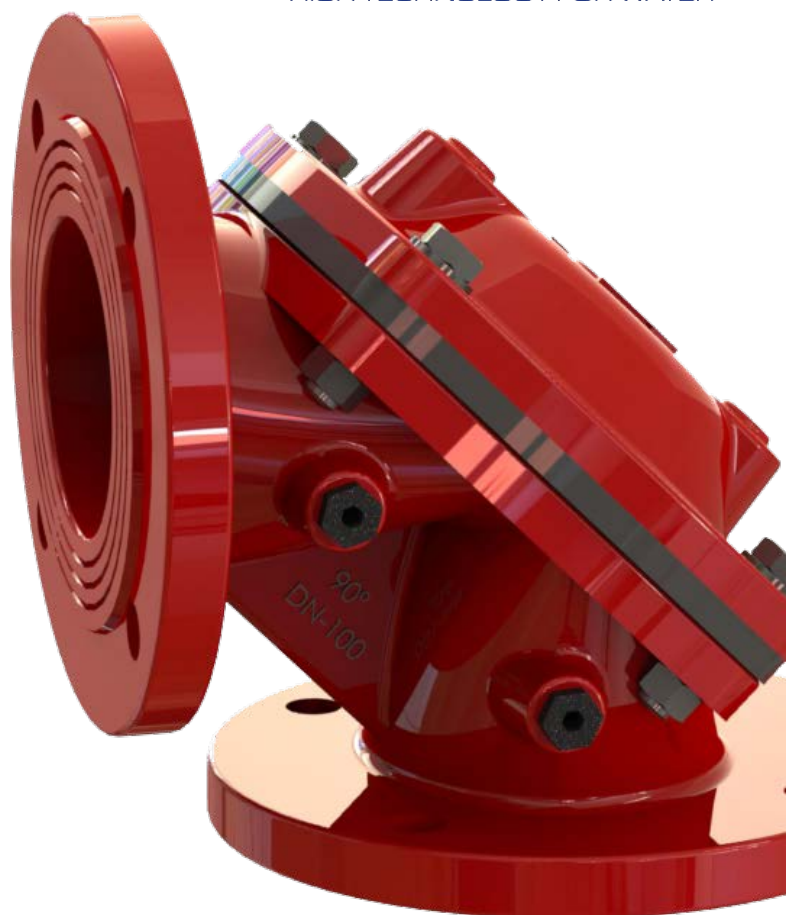


ANGLE HYDRAULIC VALVES

- ✓ **PATENT MODEL:** Perimeter ring in the platform of the valve body which avoid the diaphragm displacement.
- ✓ **THREE TYPES OF DIAPHRAGMS:** Three models of diaphragms and springs depending on the necessities. PN16 irrigation high pressure, PN06 standard pressure and PN04 irrigation low pressure (valve opens with 4mca).
- ✓ **ACCESS AND MAINTENANCE:** It allows an easy access to the inner part of the valve only manipulating the screws between covers and bodies.
- ✓ The angular model, allows you to save items in the installation, such as elbows.
- ✓ **ONLY SUITABLE FOR AGRICULTURAL USE**



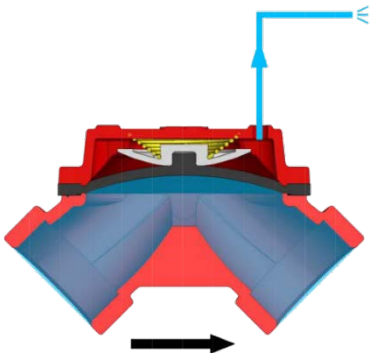
SPECIFICATIONS

- **CONNECTIONS:** Flanges ISO-7005-2 (ANSI or BS under request)
Female BSP thread (NPT under request)
Grooved
- **DESIGN:** Single chamber angle design.
- **SIZES RANGE:**
Threaded: 2"-2½"-3"
Flanged: DN80 -DN100
Grooved: 2"-4"-6"
- **NOMINAL PRESSURE (bar):** PN04, PN06 or PN16.
(psi): PN58, PN87 or PN232.
- **MINIMUM ACTIVATION PRESSURE:**
PN04: 0,4 bar
PN06: 1,0 bar
PN16: 1,5 bar

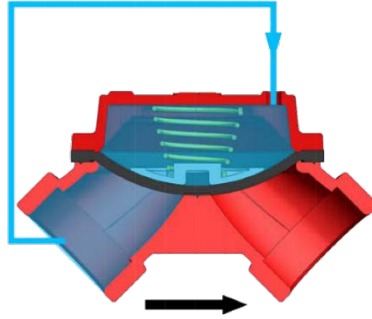
MATERIALS

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

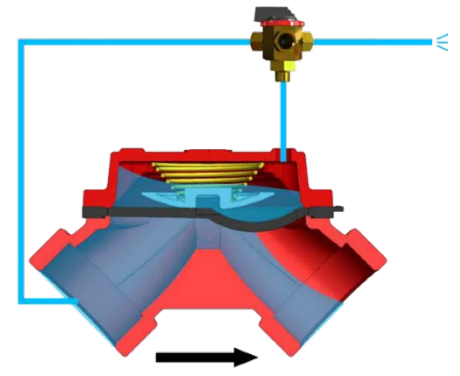
COMETAL hydraulic valves comply with the specifications of the standards **UNE - EN 1074** about valves for the supply of water and **ISO 9635** about irrigation valves with reference to **general requirements, mechanical resistance and watertightness**.



When the sum of the Control Chamber powers is less than the upstream pressure, the valve will open.

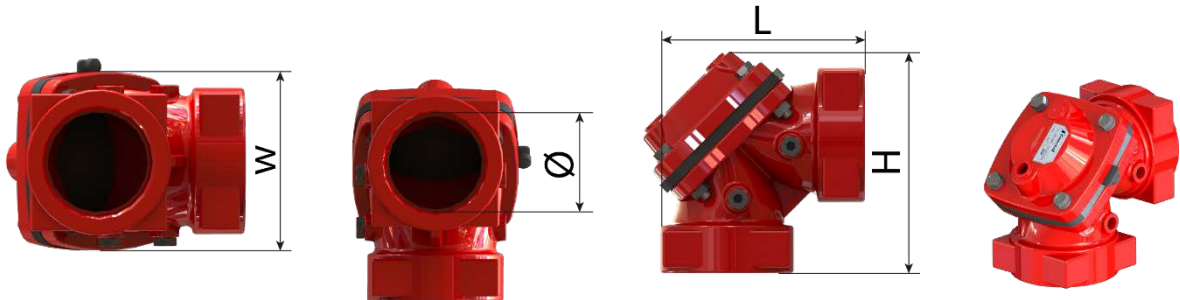


When the sum of the Control Chamber powers is higher or equal than the upstream pressure, the valve will close.



When the Control Chamber is partially full, the valve can be opening, closing or regulating.

DIMENSIONS AND WEIGHTS

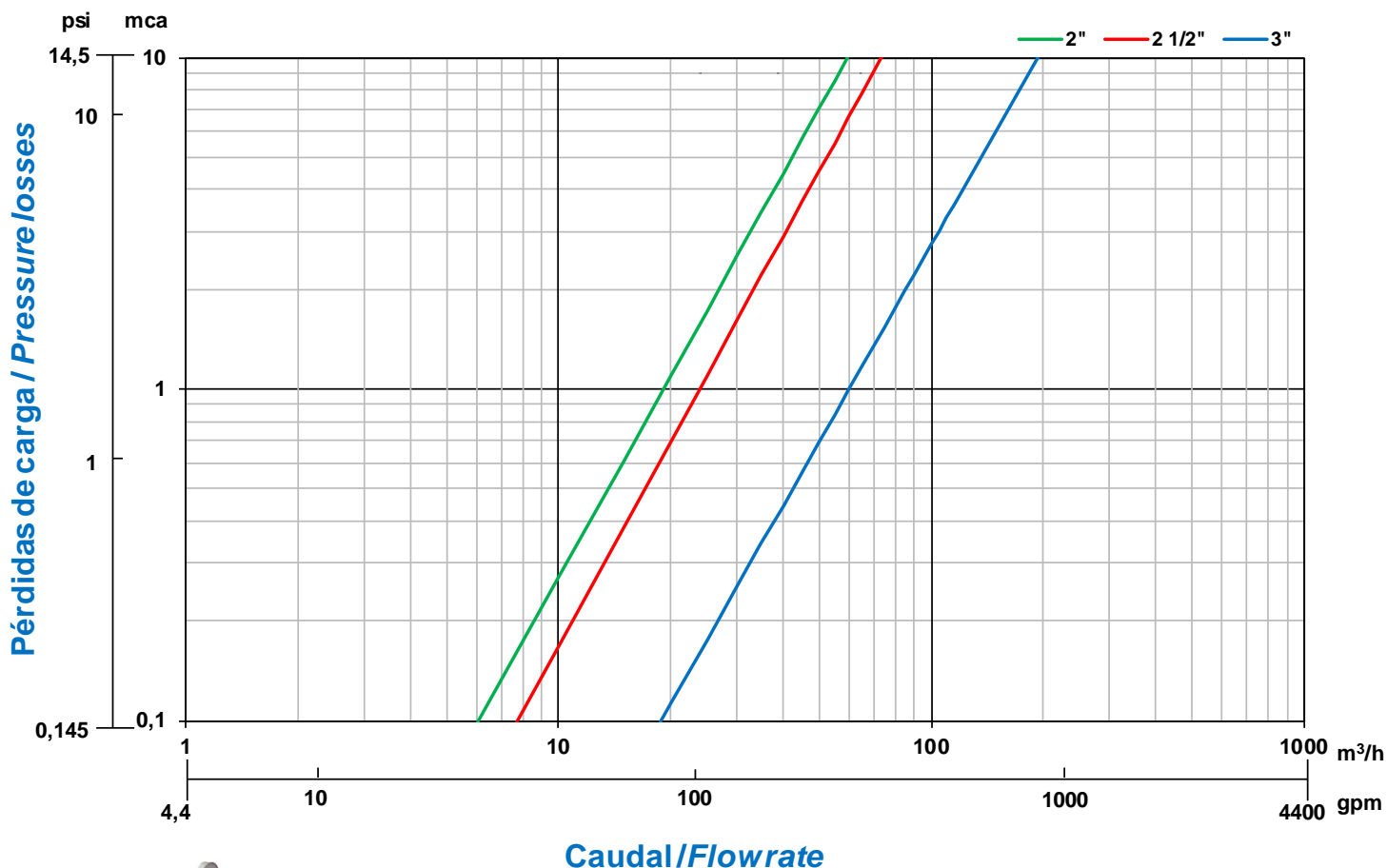


MODEL	CONNECTION	NUMBER OF DRILLS	LENGTH (L)		HEIGHT (H)		INSIDE DIAM (ø)	WIDTH (W)		WEIGHT
			mm	inch	mm	inch		mm	inch	
2"	THREAD	-	131	5.16	155	6.10	2"	120	4.72	4,2
2 ½"	THREAD	-	160	6.30	160	6.30	2 ½"	120	4.72	5
3"	THREAD	-	220	8.66	225	8.86	3"	207	8.15	12,7
DN80	FLANGED	8	245	9.64	255	10.04	3"	207	8.15	17,3
DN100	FLANGED	8	263	10.35	270	10.63	4"	220	8.66	19,4
2"	GROOVED	-	160	6.30	155	6.10	2"	120	4.72	3,5
4"	GROOVED	-	193	7.60	214	8.43	4"	207	8.15	12,3
6"	GROOVED	-	277	10.91	306	12.05	6"	300	11.81	33,0

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

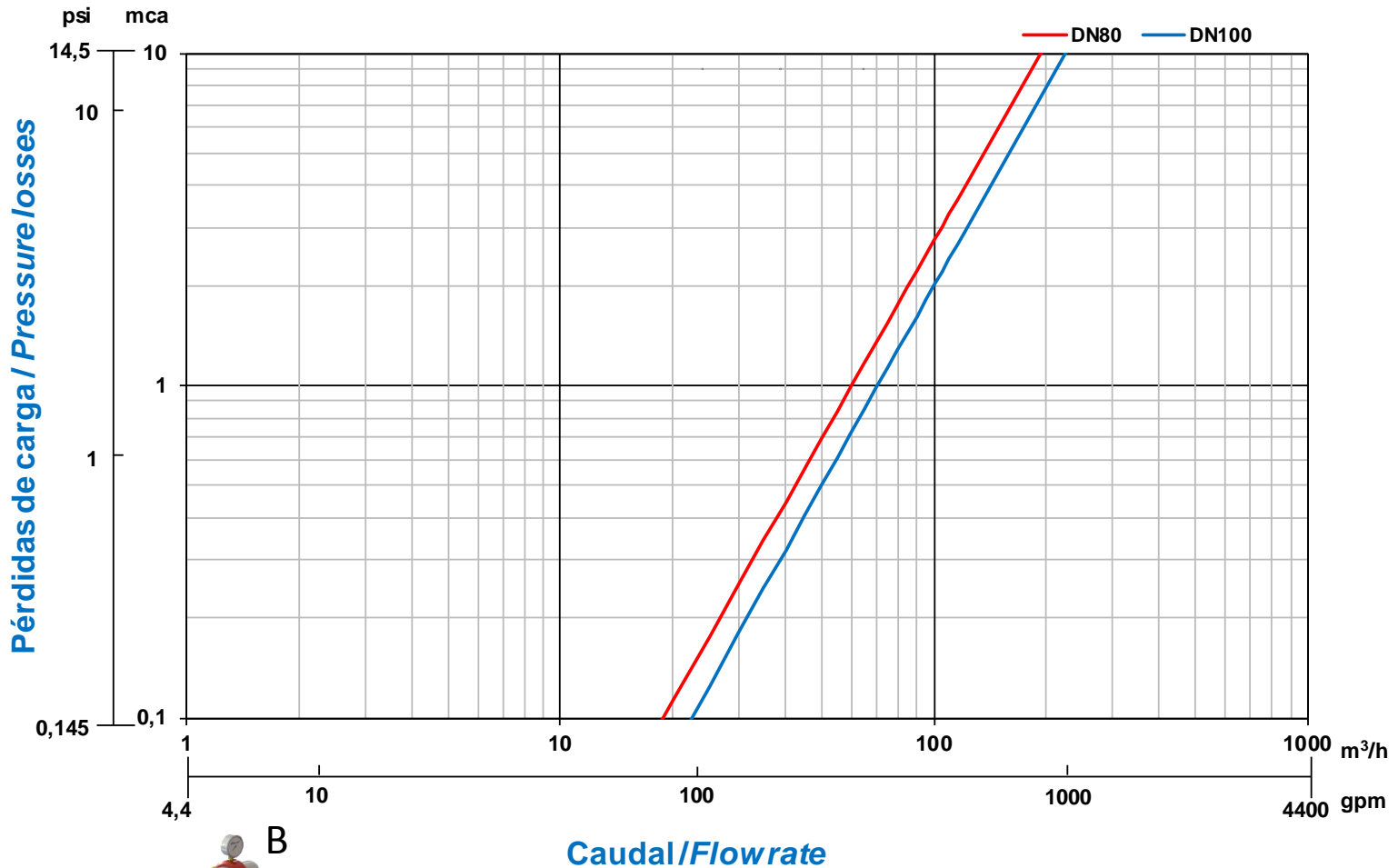
MODEL	CONNECTION	KV		CONTROL CHAMBER VOLUME
		m3/h	gpm	litres
2"	THREAD	60	264.2	0,14
2 1/2"	THREAD	74	325.8	0,15
3"	THREAD	193	849.8	0,15

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

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.



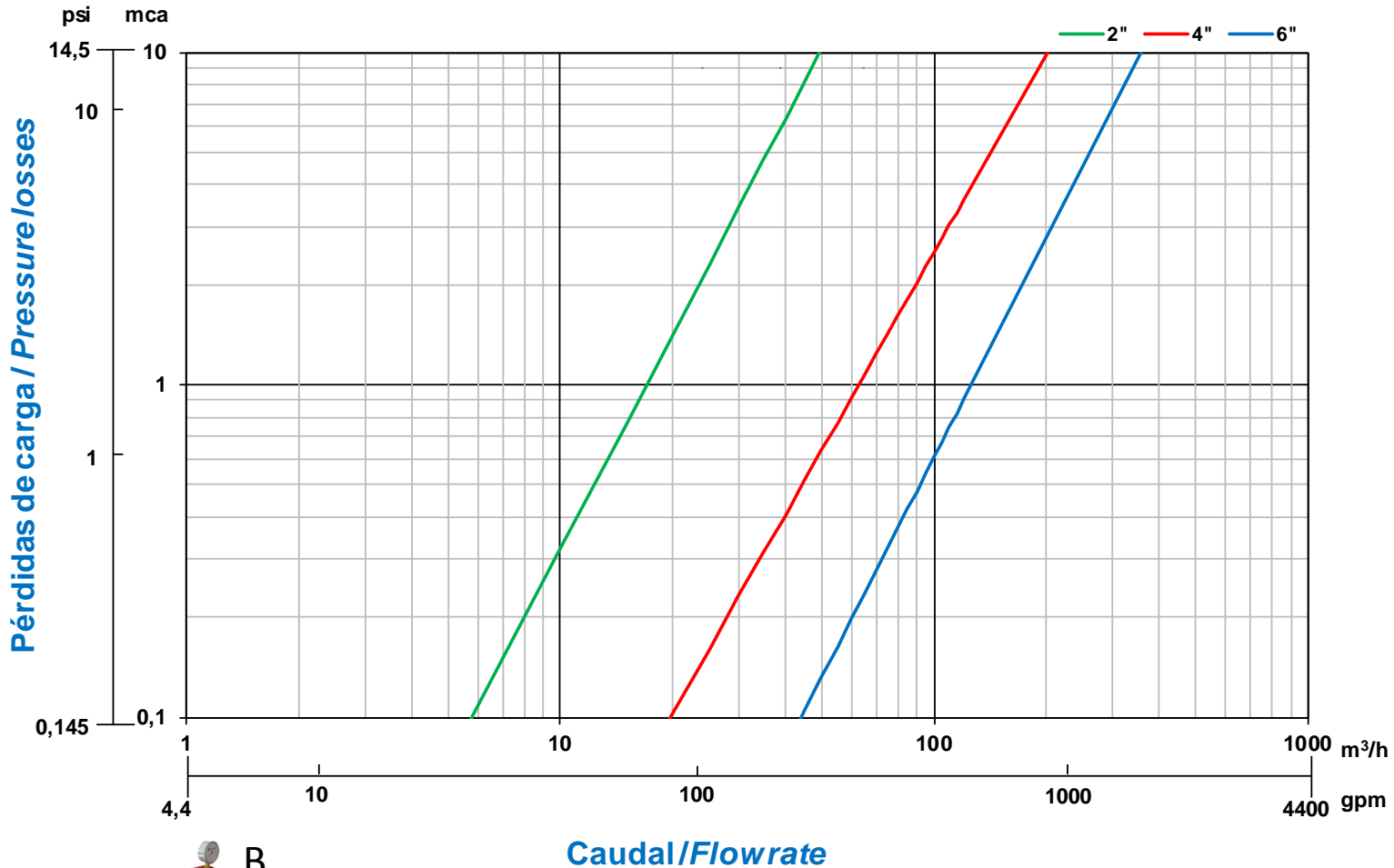
Friction Head Loss is measured from A to B

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
DN80	FLANGED	193	849.8	0,63
DN100	FLANGED	224	986.2	0,64

GROOVED VALVES

COMETAL valves comply with standard grooved specifications.



Friction Head Loss is measured from A to B

Caudal/Flowrate

MODEL	CONNECTION	KV		CONTROL CHAMBER VOLUME
		m3/h	gpm	litres
2"	GROOVED	50	220.1	0,14
4"	GROOVED	202	889.4	0,65
6"	GROOVED	358	1576.2	1,60

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