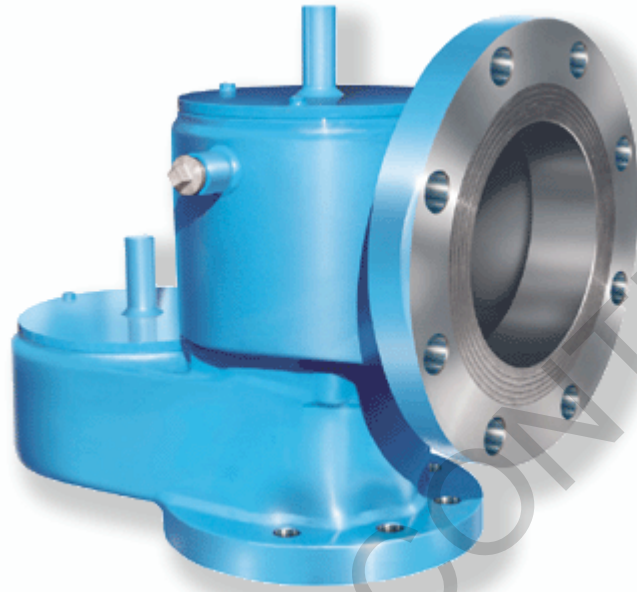


Breather Valve with Pipe Away.



These valves are designed to protect the reservoirs against excessive positive or negative (vacuum) pressures due to the loading or unloading operations and to the temperature variations, when the vapours are to be collected in exhaust lines. As the reservoir pressure exceeds the valve's relief or vacuum setting, the pallets arise allowing the venting or the vacuum relieving of the reservoir.

Main Features :

- Replaceable seats.
- Antifreezing pallets; the drips around the pallet avoids condensate collecting around the seat.
- Pallet guides located above the seat; this arrangement assures a no-jamming guide of the pallet not affected by contaminant fluids as a close coupling between pallet and guides is not necessary.
- Bird screen avoids the entering of foreign elements.
- Setting : any setting available, changing the pallet's dead weight load, between ± 20 mm H₂O and ± 400 mm H₂O. (On request higher sets)

Standard Materials :

- Body : cast Aluminium, WCB, CF8 (304) CF8M(316).
- Seats and pallets : AISI 304, AISI 316.
- Bird screen and guides: 18/8 Stainless Steel.
- Diaphragms: FEP, P T F E., BUNA-N, VITON etc.

Flanges :

ANSI 150, drilled to UNI PN 10 on request.

Dwg. 111/AA Valves :

These valves are used when the setting values exceed 800 mm H₂O.

Dwg. 111/AC Valves :

These valves are used on blanketed tanks. Through the valve an inert gas can be fed into the reservoir when its pressure value is below the blanketing pressure.

Dwg. 111/TV Valves :

Tightness by elastomeric O-rings (Buna-N, Viton, Chemraz) to minimize the leakages.

Valvola Atmosferica a Scarico Convogliato. Breather Valve with Pipe Away.

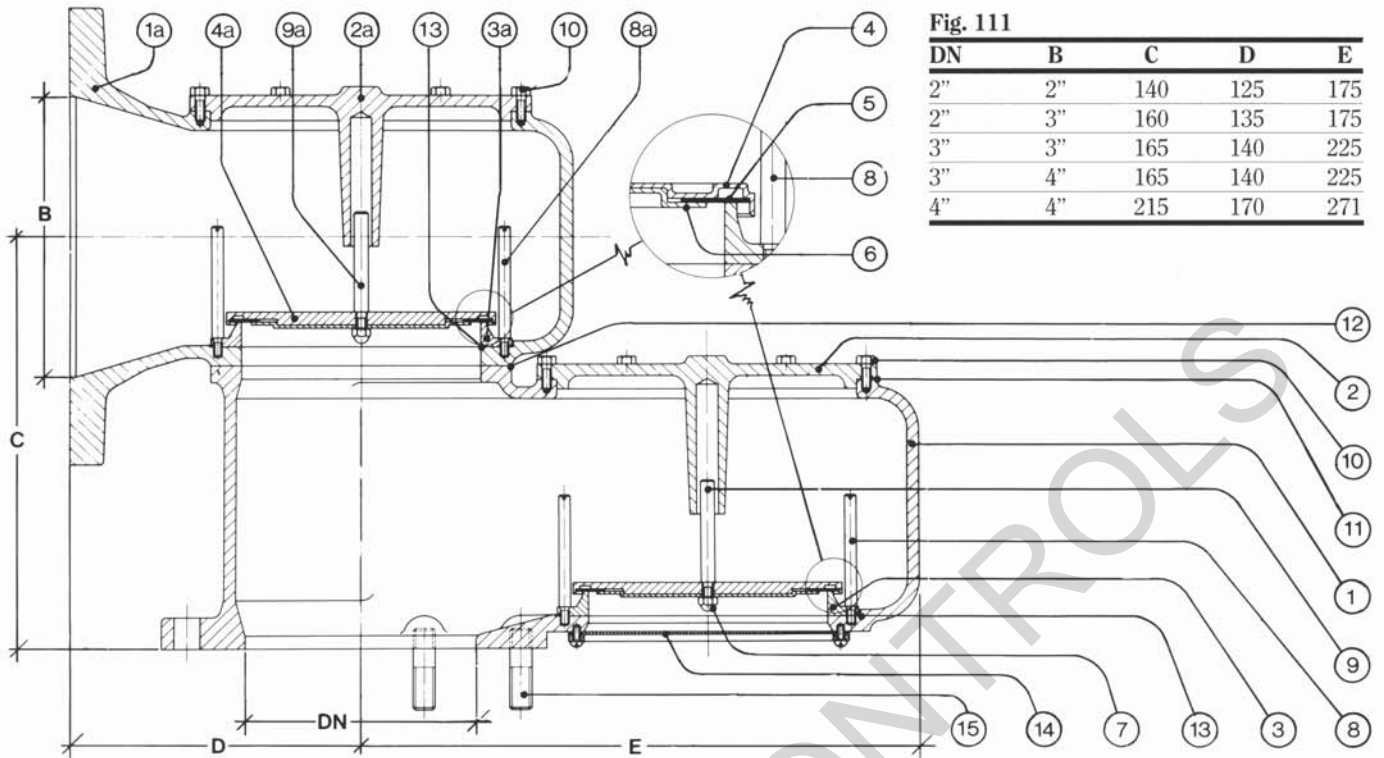


Fig. 111

DN	B	C	D	E
2"	2"	140	125	175
2"	3"	160	135	175
3"	3"	165	140	225
3"	4"	165	140	225
4"	4"	215	170	271

Fig. 111

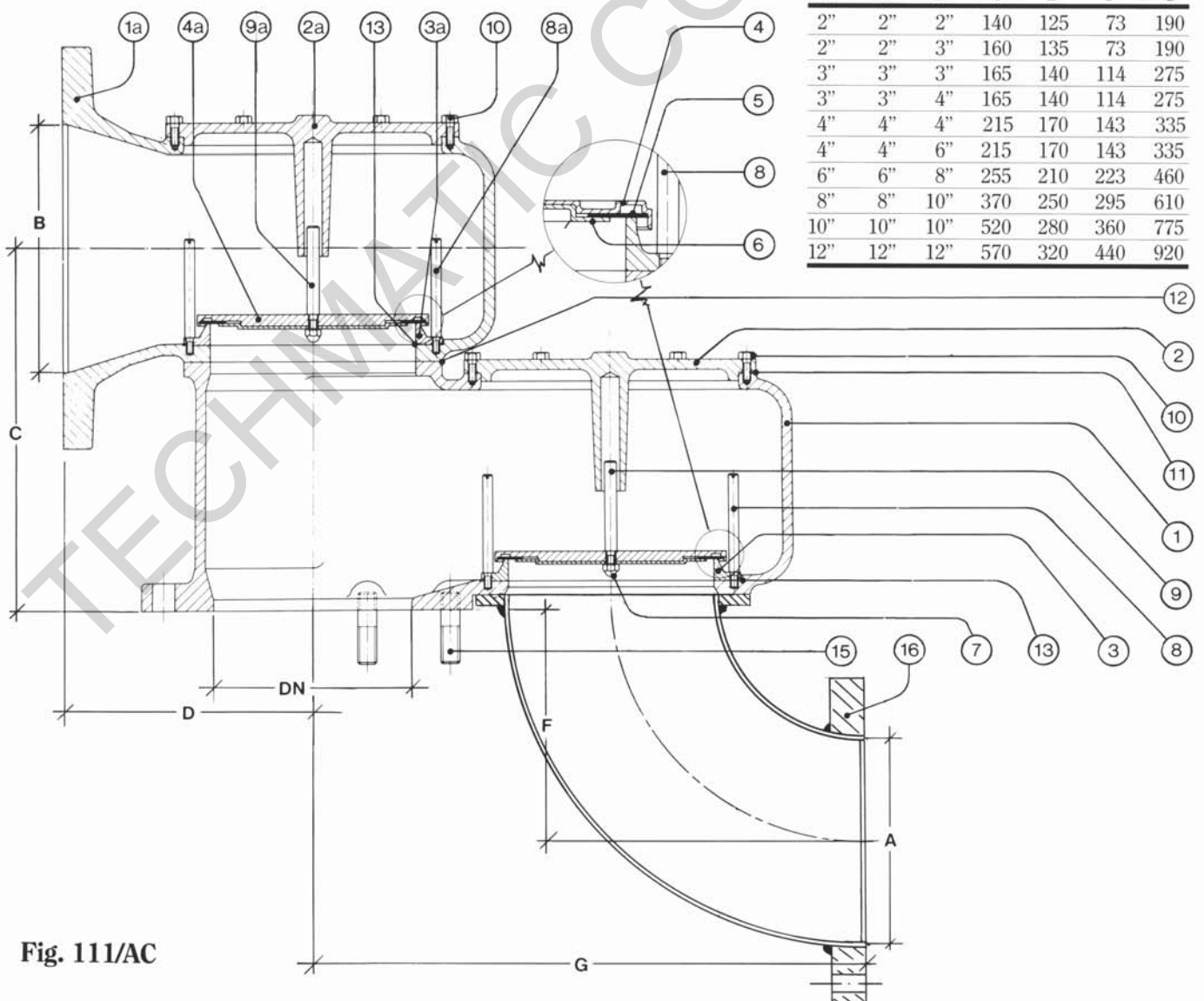


Fig. 111/AC

DN	A	B	C	D	F	G
2"	2"	2"	140	125	73	190
2"	2"	3"	160	135	73	190
3"	3"	3"	165	140	114	275
3"	3"	4"	165	140	114	275
4"	4"	4"	215	170	143	335
4"	4"	6"	215	170	143	335
6"	6"	8"	255	210	223	460
8"	8"	10"	370	250	295	610
10"	10"	10"	520	280	360	775
12"	12"	12"	570	320	440	920

Fig. 111/AC

Fig. 111

DN	B	C	D	E
4"	6"	215	170	271
6"	8"	255	210	352
8"	10"	370	250	483
10"	10"	520	280	610
12"	12"	570	320	692

Fig. 111/AA

DN	B	C	D	E
2"	2"	140	125	175
2"	3"	160	135	175
3"	3"	165	140	225
3"	4"	165	140	225
4"	4"	215	170	271
4"	6"	215	170	271
6"	8"	255	210	352
8"	10"	370	250	483
10"	10"	520	280	610
12"	12"	570	320	692

Pos.	Descrizione/Description
1	Corpo Inferiore/Lower Body
1a	Corpo Superiore/Upper Body
2	Coperchio Inferiore/Lower Cover
2a	Coperchio Superiore/Upper Cover
3	Sede Inferiore/Lower Seat
3a	Sede Superiore/Upper Seat
4	Fungo Inferiore/Lower Pallet
4a	Fungo Superiore/Upper Pallet
5	Diaframma/Diaphragm
6	Trattenitore/Gasket Retainer
7	Dado/Pallet Nut
8	Guide Laterali Inferiori/ Lower Peripheral Guides
8a	Guide Laterali Superiori/ Upper Peripheral Guides
9	Guida Centrale Inferiore/ Lower Central Guide
9a	Guida Centrale Superiore/ Upper Central Guide
10	Bulloni Coperchio/Cover Bolts
11	Guarnizione Coperchio/Cover Gasket
12	Guarnizione Corpo/Body Gasket
13	Guarnizione Sede/Seat Gasket
14	Rete/Bird Screen
15	Prigionieri/Studs
16	Gomito Aspirazione/Suction Elbow
17	Copri Molla/Spring Cover
18	Cappello/Cap
19	Dado di Blocco/Locking Nut
20	Vite di Connessione/Connecting Screw
21	Guida Molla/ Spring Guide
22	Molla Vuoto/Vacuum Spring
23	Molla Pressione/ Pressure Spring
24	Stelo/Stem
25	Vite di Regolazione/Setting Screw
26	Dado di Blocco/Locking Nut
27	Guarnizione Cappello/Cap Gasket

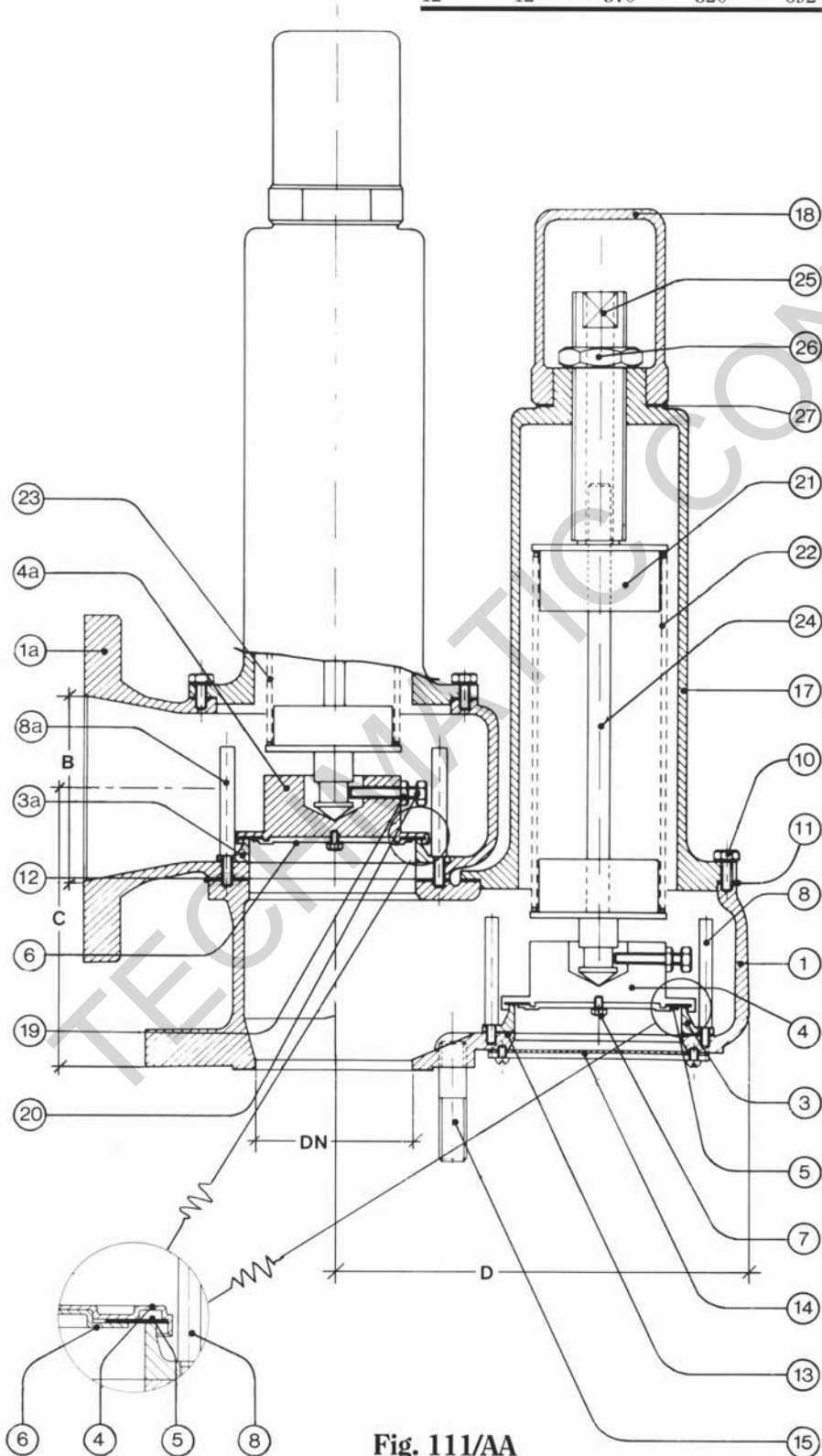


Fig. 111/AA

Breather Valves 2" Capacity curves

