

B300 Series Weight loaded Open Vent Pressure Relief Valve

Flow in Nm³/hr

Size			Set Pressure mbarg					
			2	5	10	25	50	70
2" (50mm)	OVER PRESS	10%	65	103	146	231	326	386
		20%	85	134	190	300	424	501
		50%	130	206	292	461	652	770
3" (80mm)	OVER PRESS	10%	147	232	329	520	735	868
		20%	191	302	427	676	955	1129
		50%	294	465	657	1039	1467	1734
4" (100mm)	OVER PRESS	10%	262	413	585	925	1307	1545
		20%	340	538	760	1202	1698	2007
		50%	523	827	1169	1847	2609	3083
6" (150mm)	OVER PRESS	10%	588	932	1316	2080	2937	3477
		20%	765	1211	1710	2704	3822	4517
		50%	1177	1860	2630	4156	5870	6938
8" (200mm)	OVER PRESS	10%	1047	1654	2340	3700	5230	6172
		20%	1361	2152	3044	4809	6791	8030
		50%	2092	3308	4677	7389	10436	12335
10" (250mm)	OVER PRESS	10%	1637	2586	3655	5780	8163	9652
		20%	2126	3363	4753	7512	10610	12546
		50%	3269	5168	7308	11545	16306	19274
12" (300mm)	OVER PRESS	10%	2358	3728	5267	8321	11768	13892
		20%	3062	4842	6846	10818	15282	18067
		50%	4708	7443	10523	16626	23481	27754

The B300 Series ensures that tanks and vessels are kept safe during periods of excessive pressure caused by filling of product and changes in temperature due to climatic or external fire sources.

OPEN VENT



- Open or Closed vent available
- Closed vent can operate as a vacuum relief valve
- Standard Pressure settings + 2 mbarg to 100 mbarg
- Size range 2" (50 mm) - 12" (300 mm)
- Standard body materials - Aluminium, Carbon steel, Stainless steel
- Standard trim material - Stainless steel
- Diaphragm material - FEP
- Removable seats
- Standard full form flanges - ANSI / DIN
- Lightweight design
- **Non standard applications - Consult factory**



3B CONTROLS

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PRESSURE & VACUUM RELIEF VALVES

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FEATURES

Low cost maintenance

Lightweight design provides easy handling whilst interchangeable components ensure standard parts are easily replaced.

Testing / Quality

All products are factory tested and fully certified.

Self Draining

All products are designed to ensure that condensate drains away from all seating areas.

Low leakage

Standard seating design ensures minimum leakage of less than 1 scfh at 90% of set pressure.

Internal Parts

Internal parts are stainless steel as standard. Non standard materials available upon request.

Connections

All valves are supplied with full form flanges to meet individual requirements. Other connections are available upon request.

Non Standard Applications

There are numerous options available for special applications. Exotic materials such as Hastelloy, Monel and various plastics can be offered to suit the most hazardous of environments. Special coatings can also be applied for extreme service. For low temperature duties, internal parts can be PTFE coated to prevent seizure.

See separate section in catalogue.

* All products are subject to continuous development and subsequently 3B Controls reserves the right to change specifications outlined in this catalogue without notification.

MATERIALS

Body

Aluminium
Carbon Steel
Stainless Steel

Diaphragm

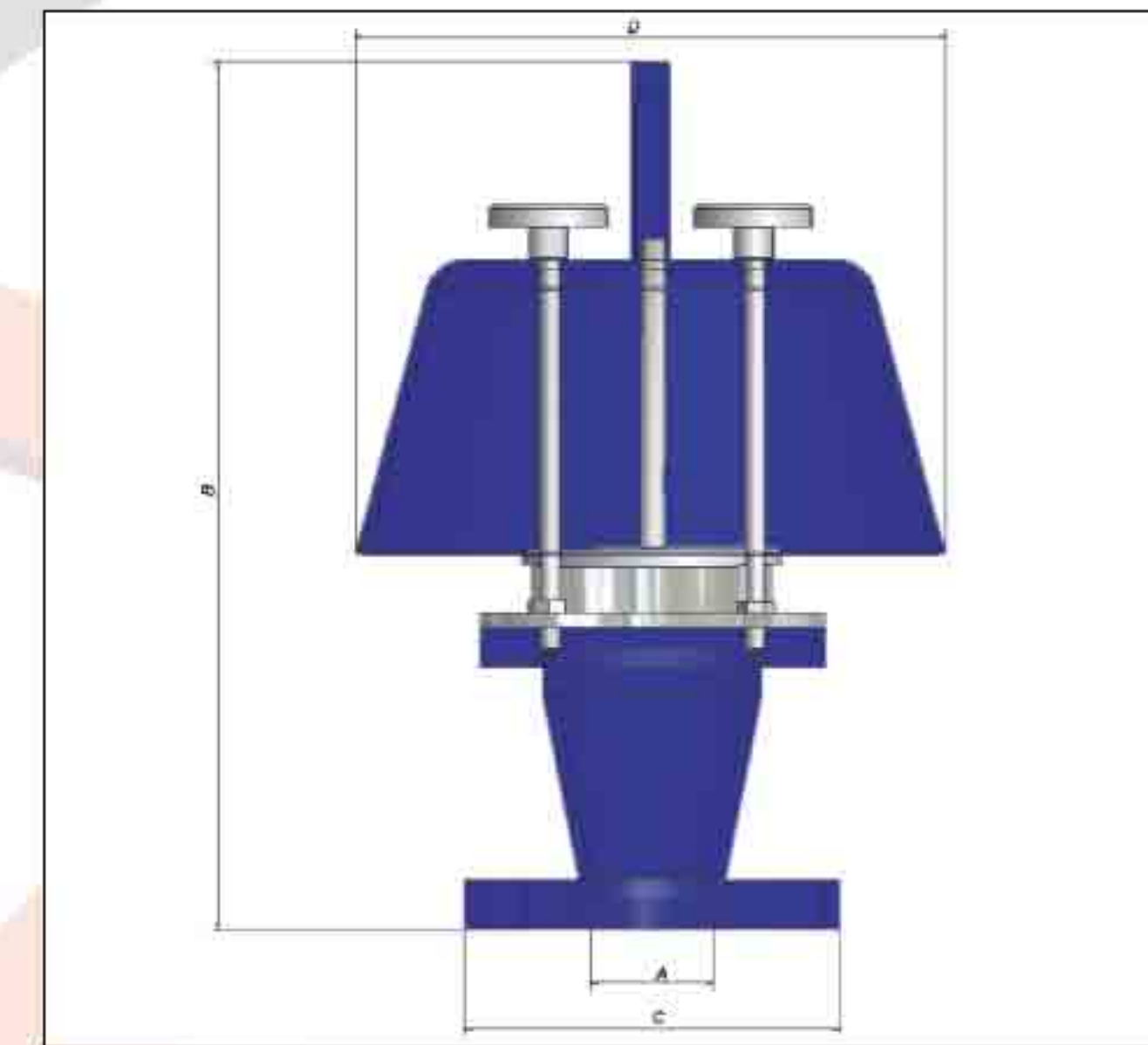
F.E.P
Others consult factory

Internals

Stainless Steel

Flanges

ANSI 125 ANSI 150 RF
DIN Standard flanges



DIMENSIONS

NOM SIZE	A	B	C	D
50 (2")	54	351	152	230
80 (3")	84	403	190	264
100 (4")	108	463	229	304
150 (6")	161	533	279	350
200 (8")	211	613	343	402
250 (10")	255	705	406	462
300 (12")	305	811	483	531

