



Air and Vacuum Release Valves

Air and vacuum release valves

Air bubbles lead to reduced capacity in a water-transmission installation.

Onderstaande situaties kunnen de oorzaak zijn van luchtbellens in een leidingsysteem:

- Het opstarten van de pomp
- Bij het vullen van de installatie kan lucht in het systeem worden ingesloten
- Wervelingen in de aanzuiging naar de pomp
- Per volume eenheid water (van 20 °C) komt 2% lucht in het systeem. Bij het variëren van druk en temperatuur kan het zijn dat de lucht niet in oplossing blijft.

Also, excessive underpressure in an installation can cause damage.

The **Bermad** programme of air and vacuum release valves comprises 4 different types. It is possible to select the correct type in accordance with the installation to protect the system.

Automatic 1" air release valve (A). To release "entrapped" air bubbles in pressure systems.

Automatic 2" air and vacuum release valve (K). With a wide passage for kinetic air discharge or supply during filling or draining of the installation.

Combined 2" air and vacuum release valve (A). One model combining the features of the above types.

1/2" vacuum release valve (A) prevents underpressure in an installation.

Product features:

Perfect sealing, even at a low system pressure.

Large air-flow capacity.

Exclusive dynamic float design.

Cavitation and surge-wave damping.

Uitvoeringen:

- Plastic (P)
- Metaal gecoat (M)



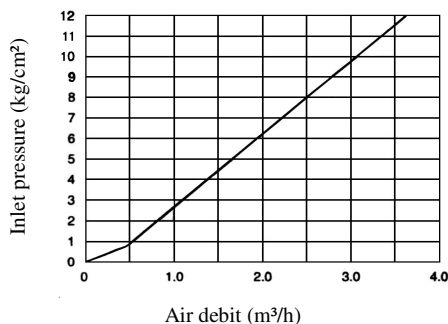


Air and Vacuum release valves Technical Data

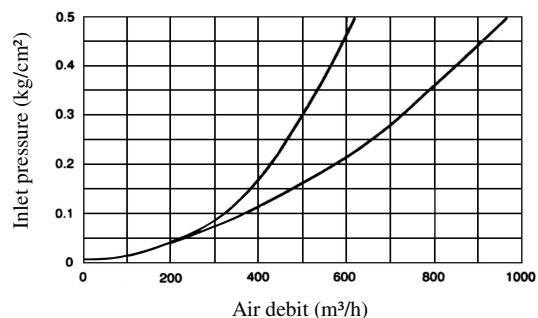
Specifications plastic design:

Sizes: ½", 1", 2" BSP
 Housing: (P) plastic
 (M) polyester coated cast iron
 Float: Fibre reinforced Nylon
 Cap: polypropylene
 Seals: Buna-N and NR (natural rubber)
 Working pressures: (P) 0,1-10 kg/cm²
 (M) 0,1-16 kg/cm²

Flow diagrams:

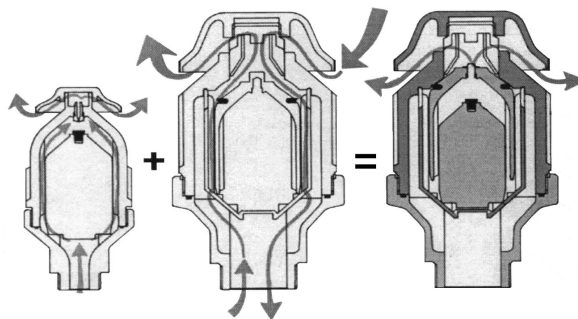


Automatic Air release 1", 2"

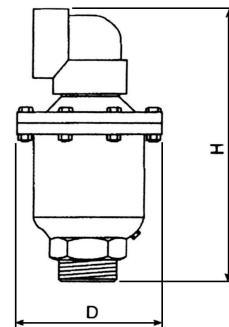
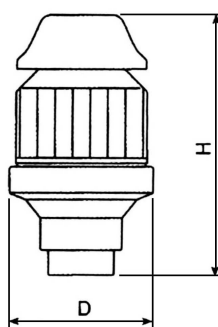
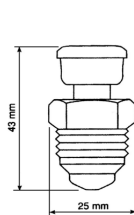


Automatic air and vacuum release 2" (K)

Cross-section:



Design	Unit	Plastic (P)				Metal (M)		
		PA05	PA10	PK20	PA20	MA10	MK20	MA20
Type nr.		1/2"	1"	2"	2"	1"	2"	2"
Connection	inch							
D	mm	25	85	130	130	120	150	150
H	mm	43	180	245	245	230	290	290
Weight	kg	0,011	0,9	2,7	2,8	3,0	5,4	5,5



UVAR

Subject to changes and/or misprints