



Inch table

Dimensions in: inches - millimeters

¹ d ₁	² d ₂ Pipe thread	³ Opening pressure in mbar ±20 %		d ₃	d ₄	l ₁ ≈	l ₂ ≈
1.22 31	3/8 NPT	10	100	0.39 10	1.18 30	0.39 10	1.18 30
1.22 31	1/2 NPT	10	100	0.39 10	1.18 30	0.39 10	1.18 30

Metric table

Dimensions in: millimeters - inches

¹ d ₁	² d ₂ Pipe thread		³ Opening pressure in mbar ±20 %		d ₃	d ₄	l ₁ ≈	l ₂ ≈	
	Pipe thread	Fine thread							
31 1.22	G 1/4	-	-	10	100	8 0.31	30 1.18	10 0.39	30 1.18
31 1.22	G 3/8	M 16 x 1.5	M 18 x 1.5	10	100	10 0.39	30 1.18	10 0.39	30 1.18
31 1.22	G 1/2	M 20 x 1.5	M 22 x 1.5	10	100	10 0.39	30 1.18	10 0.39	30 1.18
42 1.65	G 3/4	-	-	10	100	16 0.63	41 1.61	12 0.47	37 1.46
42 1.65	G 1	-	-	10	100	16 0.63	41 1.61	12 0.47	37 1.46

Specification

- Body
Plastic
Technopolymer (Polyamide PA)
- Temperature resistant up to 212 °F (100 °C)
- Upper part (cap)
Orange, RAL 2004
- Lower part (screw-in thread)
Black
- Gasket
Black
- O-ring / seal
Rubber NBR (Perbunan®)
- Thrust spring
Stainless steel
- *Elastomer Characteristics* → page 2135
- *Plastic Characteristics* → page 2135
- **RoHS compliant**

On request

- Version with other opening pressure

Information

EN 552.1 breather valve caps with gasket are used for (low) container overpressure of 10 or 100 mbar. The gasket prevents contamination of the fluid from outside (dust); an air filter is not required. At the same time it is guaranteed that no fluid escapes, especially not in case of strongly moving fluid (oil splashes) or during transport.

see also...

- *Breather Caps EN 552* → page 1690

How to order (Inch)	¹ Diameter d ₁
² EN 552.1-31-1/2NPT-100	² Pipe thread d ₂
³	³ Opening pressure

How to order (Metric)	¹ Diameter d ₁
² EN 552.1-31-G3/8-10	² Pipe thread d ₂ (Fine thread d ₂)
³	³ Opening pressure

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10