



SS Stainless Steel

Metric table

Dimensions in: millimeters - inches

d ₁		Mesh size in µm		d ₂	d ₃	l ₁	l ₂	s
Pipe thread	Fine thread							
G 1/2	M 20 x 1.5	100	500	26 1.02	10 0.39	8.5 0.33	7.5 0.30	23 0.91
G 3/4	M 26 x 1.5	100	500	32 1.26	14 0.55	9 0.35	8 0.31	30 1.18
G 1	M 33 x 1.5	100	500	40 1.57	20 0.79	11 0.43	8.5 0.33	36 1.42

Specification

- Body
 - Aluminum **AL**
 - Stainless steel AISI 303 **NI**
- Strainer
 - Stainless steel mesh AISI 304
- Strainer bezel
 - Plastic
 - Technopolymer (Polyamide PA)
 - Glass fiber reinforced
 - Temperature resistant up to 212 °F (100 °C)
- Seal / O-ring
 - Rubber NBR (Perbunan®)
- *Plastic Characteristics* → page 2135
- *Stainless Steel Characteristics* → page 2143
- [RoHS compliant](#)

Accessory

- Thin hex nuts GN 7430 → page 1714

On request

- Body in brass
- Other mesh size
- Other strainer material

Information

GN 7403 breather strainers are used in enclosure and device construction. In an enclosure wall, they ensure pressure compensation between the enclosure interior and the outside.

Any possible dirt and dust particles carried by the medium, usually gas, are prevented from being exchanged, depending on the mesh size. This protects the inside of the device from contamination and also protects the environment from any exiting dust.

The outer diameter of the enclosures with recessed hex is chosen to match screw-in holes for tube connections according to DIN 3852.

The seal is embedded in a radial groove and can therefore not be lost or squeezed out during the tightening operation.

Assembly note:

For wall thicknesses below 4 mm, use GN 7430 thin hex nuts.

How to order

GN 7403-AL-G1/2-500

1	Material
2	Pipe thread d ₁ (Fine thread d ₁)
3	Mesh size