



Specification

• Body Brass	MS	3	4
• Breather cap Stainless steel AISI 304	M		
• Gasket Brass, with silicone rubber coating (VMQ)			
• Thrust spring Stainless steel AISI 301			
• Seal DIN 7603 A Soft iron 1.0338			
• Temperature resistant from -22 °F to +392 °F (-30 °C to +200 °C)			
• <i>Stainless Steel Characteristics</i> → page 2143			
• RoHS compliant			

Accessory

- Thin hex nuts GN 7430 → page 1714

On request

- Other material
- With 50 mbar opening pressure (yellow ring)
- With dipstick

Information

Once the opening pressure specified in the table is exceeded, GN 881 breather valves will vent a container, preventing excessive internal container pressure. A green colored ring marks the opening pressure of 200 mbar.

In its normal state, the gasket seals the container and prevents contamination of the interior from outside (e.g. dust).

The diagram above shows the air outlet as a function of the opening pressure. The recommended installation position is vertically upwards.

The breather valves are checked for leak tightness and opening pressure.

Assembly note:

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

How to order	1 Pipe thread d ₁ (Fine thread d ₁)
GN 881-G1/2-200-MS-M	2 Opening pressure
	3 Body material
	4 Breather cap material

Metric table

Dimensions in: millimeters - inches

d₁		Opening pressure in mbar ±20%	d₂	d₃	e ≈	l₁	l₂	l₃	A/F
Fine thread	Pipe thread								
M 12 x 1.5	-	200	18 <i>0.71</i>	20 <i>0.79</i>	23.5 <i>0.93</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	22 <i>0.87</i>
M 14 x 1.5	G 1/4	200	20 <i>0.79</i>	20 <i>0.79</i>	23.5 <i>0.93</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	22 <i>0.87</i>
M 16 x 1.5	-	200	22 <i>0.87</i>	20 <i>0.79</i>	23.5 <i>0.93</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	22 <i>0.87</i>
-	G 3/8	200	23 <i>0.91</i>	20 <i>0.79</i>	23.5 <i>0.93</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	22 <i>0.87</i>
M 18 x 1.5	-	200	24 <i>0.94</i>	20 <i>0.79</i>	23.5 <i>0.93</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	22 <i>0.87</i>
M 20 x 1.5	-	200	26 <i>1.02</i>	20 <i>0.79</i>	29 <i>1.14</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	27 <i>1.06</i>
M 22 x 1.5	-	200	27 <i>1.06</i>	20 <i>0.79</i>	29 <i>1.14</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	27 <i>1.06</i>
-	G 1/2	200	26 <i>1.02</i>	20 <i>0.79</i>	29 <i>1.14</i>	8.5 <i>0.33</i>	11.5 <i>0.45</i>	24.5 <i>0.96</i>	27 <i>1.06</i>
M 24 x 1.5	-	200	29 <i>1.14</i>	20 <i>0.79</i>	32.5 <i>1.28</i>	8 <i>0.31</i>	12 <i>0.47</i>	25 <i>0.98</i>	30 <i>1.18</i>
M 26 x 1.5	G 3/4	200	32 <i>1.26</i>	20 <i>0.79</i>	34 <i>1.34</i>	8 <i>0.31</i>	12 <i>0.47</i>	25 <i>0.98</i>	32 <i>1.26</i>
M 30 x 1.5	-	200	36 <i>1.42</i>	20 <i>0.79</i>	39 <i>1.54</i>	8 <i>0.31</i>	12 <i>0.47</i>	25 <i>0.98</i>	36 <i>1.42</i>
-	G 1	200	39 <i>1.54</i>	20 <i>0.79</i>	44 <i>1.73</i>	8 <i>0.31</i>	12 <i>0.47</i>	25 <i>0.98</i>	41 <i>1.61</i>

3.1

3.2

3.3

3.4

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3.6

3.7

3.8

3.9

3.10

