

VERTICAL MANUAL DE-AERATOR



art. P71

Description

Barberi[®] vertical manual de-aerator is a device used to empty air from installations. It is normally used in heating systems and in forced circulation thermal solar system. Its function is to help emptying air from pipes to allow the correct working of pumps, to avoid presence of oxygen dangerous for installations and increase the exchange's heating yield of the fluid

Articles range

art.ref. P71 Vertical manual de-aerator

Technical features

Max. working temperature: **140 °C**
 Max. working pressure: **10 bar**
 Flow coefficient: **KV 6,5**
 Systems connections: **threaded connections ISO 228/1**
compression ends UNI EN 1254-2
 Suitable fluids: **water for thermic systems, glycoled**
water (max 50%), potable water

Material

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 Body: **brass UNI EN 12165 CW617N**
 Obturator: **brass UNI EN 12164 CW614N**
 Inner pipe: **copper UNI 5649**

Working way

Art.ref. **P71** allows to empty air from pipes. Thanks to its geometry air divides from heating fluid and accumulates in the upper chamber allowing the continuous flow of fluid (fig.1). By simply opening the obturator, air goes out leaving space for liquid (Fig.1 and 2)

Fig.1



Fig.2

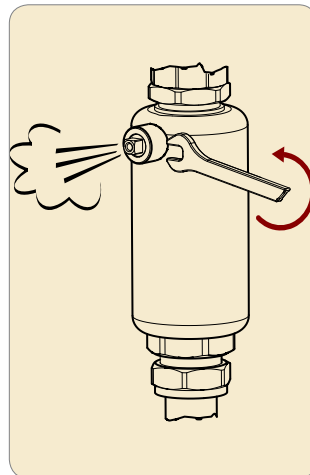
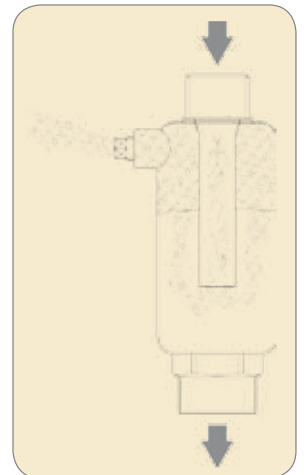
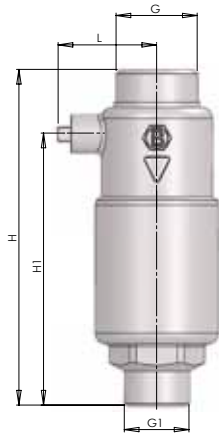


Fig.3



VERTICAL MANUAL DE-AERATOR

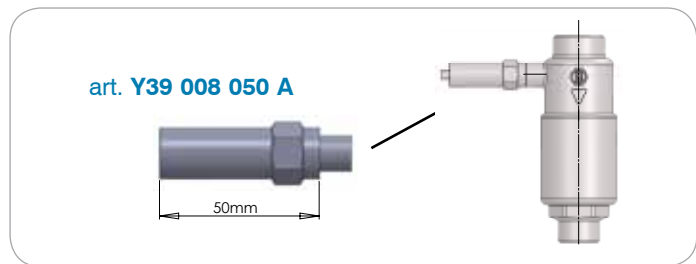
Dimensions



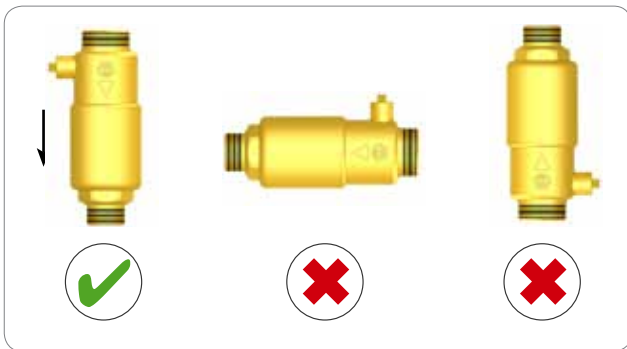
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Code	Kv	G	G1	H	H1	L	Weight	N. P/B	N. P/C
P71 020000	6,5	1" M	3/4" F	137	111	40	520	1	28
P71 020000M	6,5	1" M	3/4" M	137	111	40	505	1	28
P71 022000	6,5	1" M	mm22	137	111	40	535	1	28

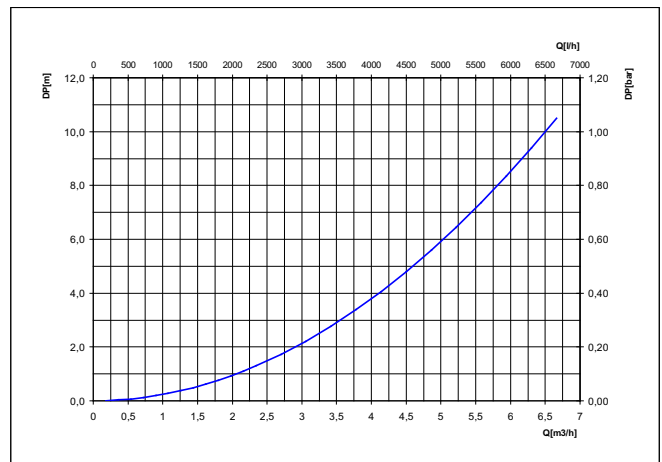
Weight (grams) - N. Pcs/B: No Pcs/Box - N. Pcs/C: No Pcs/Carton



Installation



Diagram



Accessories

Art. Y39/A

De-aerator extension to empty air



Max. working temp: 140 °C
Different length on request

code	size
Y39 008 050 A	G1/8"