

MANUAL AIR VENTS

Description

The Barberi manual air vents allow the air removal from systems through a manual operation. They are installed in heating systems (on heating emitters and manifolds), heat generators (wall-mounted boilers, solid fuel generators, heat pumps). Thanks to the air removal, a longer system life is possible, avoiding phenomena of corrosion due to the oxidation of components, as well as a better thermal efficiency of emitters and a better working and safety for pumps. For a better efficiency in the air removal, the valves must be installed in the upper parts of the systems and in all areas where there is a risk of air bubble forming (reversed syphons, distribution manifolds, water storages, boilers). The peculiarity of this valve is the presence of a knob for manual operation and a PTFE seal.



05B



P60

Range of products

Series 05B Manual air vent with PTFE seal, nickel plated.

Series P60 Manual air vent with PTFE seal, nickel plated.

Features

Working temperature range (peaks): **-20 (no frost)–110 °C**

Working temperature range: **0 (no frost)–95 °C**

- 05B: **0 (no frost)–95 °C**

- P60: **0 (no frost)–90 °C**

Max working pressure:

- 05B: **6 bar**

- P60: **10 bar**

Suitable fluids: **water for thermal systems,
glycol solutions (max 30%)**

Connections: **threaded connections ISO 228-1**

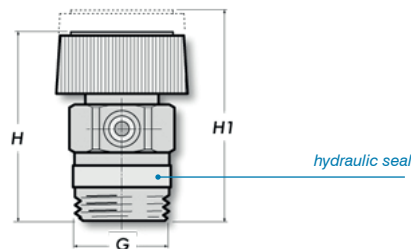
Materials

1 - Body: **brass EN 12164 CW614N, nickel plated**

2 - Gaskets: **PTFE**

3 - Knob: **plastic**

Dimensions



Code	P _{max} [bar]	G	H [mm]	H1 [mm]	Weight [g]	N. P/S	N. P/C
05B008N03	6	G 1/4 M	29	32	20	10	200
05B010N03	6	G 3/8 M	29	32	20	10	200
P60008N00	10	G 1/4 M	26	28,5	18	10	200
P60010N00	10	G 3/8 M	26	28,5	30	10	200
P60015N00	10	G 1/2 M	27	29	44	10	200

N. P/B: number of pieces in box - N. P/C: number of pieces in carton

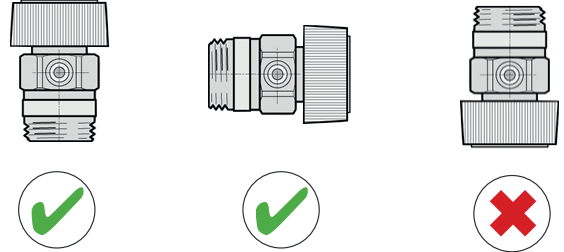
Working way

The manual opening of the knob allows to release the air accumulated in the heating body. The continuous outlet of fluid means that the air has been fully released. Fully screw the knob again by hand, without the use of any tool. We suggest to vent the air when the system is cold to avoid any liquid leakage due to different thermal expansions of materials.

Installation

Manual air vents must be installed in suitable areas in order to release air from systems. These areas are represented by the upper parts of the systems, reverse syphons, distribution manifolds, water storages, thermal emitters, boilers and all devices where air could be accumulated.

They can be installed in vertical position with the knob pointing upward or in horizontal position. The upside-down installation is not allowed to avoid any possible encrustation forming which could impair the correct functioning.



Specifications

Series 05B

Manual air vent with PTFE seal, nickel plated. Threaded connections G 1/4 M and G 3/8 M. Brass body, nickel plated; PTFE gaskets; plastic knob. Maximum working pressure 6 bar. Working temperature range 0–95 °C. Suitable fluids water for thermal systems, glycol solutions(max 30%).

Series P60

Manual air vent with PTFE seal, nickel plated. Threaded connections G 1/4 M (from G 1/4 M to G 1/2 M). Brass body, nickel plated; PTFE gaskets; plastic knob. Maximum working pressure 10 bar. Working temperature range 0–90 °C. Suitable fluids water for thermal systems, glycol solutions(max 30%).