

## Manual air vent valves

Art. 340 - 341 - 342 - 343



100% MADE IN ITALY 

**Function** The presence of air inside heating systems can result in negative phenomena that might negatively affect the correct functioning and performance of the system itself.  
In particular it may lead to:

- Corrosion made by oxygen
- Noise
- Blockage to the regular flow of the fluids
- Cavitation in circulation pumps

Pintossi+C manual air vents have the function of **eliminating the air** that can build up inside a heating system. The sealing is guaranteed by a PTFE ring or by **PTM system** (Pintossi soft sealing), which allow a quick and safe installation, without the use of additional sealing materials, like hemp or PTFE ribbon. The valves are available with vertical and horizontal discharge and with vertical or lateral connection. Yellow or nickel plated finishing for standard versions.

<b>Product range</b>	Art. 340	1/4" - 3/8" - 1/2"	Manual air vent with PTM and adjustable discharge
	Art. 341	1/4" - 3/8" - 1/2"	Compact manual air vent with PTM and adjustable discharge
	Art. 342	1/8" - 1/4" - 3/8" - 1/2"	Manual air vent with brass cap
	Art. 343	1/8" - 1/4" - 3/8" - 1/2"	Manual air vent with PTM/PTFE and plastic cap

<b>Technical specifications</b>	Fluids:	Water or glycol solutions
	Max. glycole:	30%
	Max. working temp.:	90°C art.340-342-343 / 110°C art.341
	Max. working pressure:	10 bar

## Materials

### ART.340

Body: Brass CW614N  
 Oring: NBR  
 Gasket: NBR  
 Shutter: Flexirene  
 Handwheel: Acetal resin

### ART.341

Body: Brass CW614N  
 Handwheel: Nylon PA6  
 Screw: Brass CW614N  
 Gasket: EPDM

### ART.342

Body: Brass CW614N  
 Handwheel: Brass CW614N  
 Gasket: NBR

### ART.343

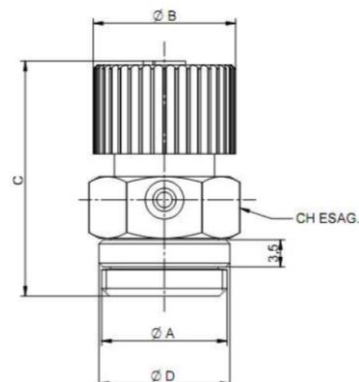
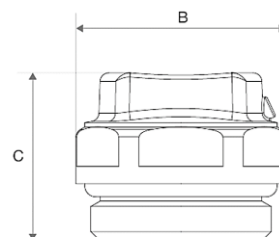
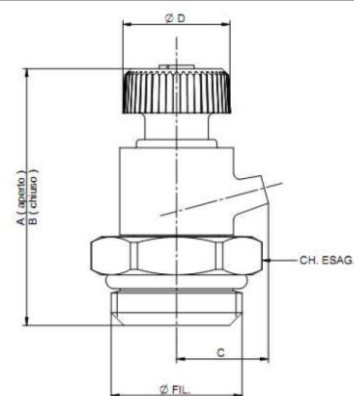
Body: Brass CW614N  
 Oring: NBR  
 Handwheel: Acetal resin  
 Gasket: NBR 1/8" / PTFE 1/4" - 3/8" - 1/2"

## Dimensions

ART.	Ø	A	B	C
340	1/4"	41,5	39,5	14,5
	3/8"	41	38,5	14,5
	1/2"	41	38,5	14,5

ART.	Ø	B	C
341	1/4"	16	19
	3/8"	24	19
	1/2"	24	19

ART.	Ø	A	B	C
342	1/8"	1/8"		24
	1/4"	1/4"		26
	3/8"	3/8"		25
	1/2"	1/2"		25
343	1/8"	1/8"	18	25
	1/4"	1/4"	18	26
	3/8"	3/8"	18	26
	1/2"	1/2"	18	26



## Fluid characteristics

Reference standard for water treatments in heating systems is Norm UNI 8065:2019 which regulates the parameters that must be observed to avoid scale and corrosion phenomena.

In order to grant product warranty, the fluid characteristics must comply with the rules in force in the country of relevance or at least present features not less to the ones prescribed by the Norm UNI 8065:2019.

In particular, minimum standards necessary but not sufficient to control are the following:

Fluid aspect: Limpid

PH: Between 7 and 8

Iron (FE): < 0,5 mg/kg (< 0,1 mg/kg for steam)

Copper (CU): < 0,1 mg/kg (< 0,05 mg/kg for steam)

Antifreeze: Passivated Propylene Glycol

Conditioning: as indicated by the producer

In any case when using antifreeze and conditioning solutions, is required to control and verify the correct compatibility between these substances and the construction materials stated in Pintossi+C technical datasheet.