Lockshields

Art. 58 – 59 – 60

100% MADE IN ITALY

Function

Pintossi+C lockshields are shut-off devices used on radiators outlet for regulating the fluid flow.
They are available in angle or straight version for the connection with iron pipe, copper pipe, PEX or multilayer pipes. The protection cap is available in brass or plastic.
The sealing between the valve and the radiator is guaranteed by **PTM system** (Pintossi soft sealing), which allow a quick and safe installation, without the use of additional sealing materials, like hemp of PTFE ribbon.
They are featured by a quiet functioning, these valves can be installed in every two pipes heating systems, with vertical or horizontal distribution.

Product range

Art. 58	1/2''	Angle lockshield with iron pipe
Art. 59	1/2"	Straight lockshield for iron pipe
Art. 60	1/2"	Angle lockshield for copper-pex-multilayer pipe

Techincal specifications

Fluids:	Water or glycol solutions
Max. glycol:	30%
Max. working temp.:	100°C
Max. working pressure:	10 bar

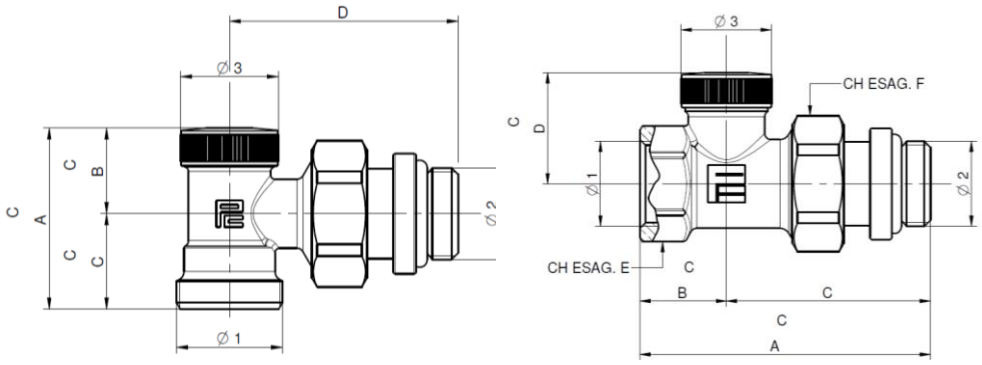
Materials

Body:	Brass CW617N
Stem:	Brass CW617N
Screw:	Brass CW617N
Tail and nut:	Brass CW617N
Gaskets:	NBR
Protection cap:	ABS/ Brass CW617N

Dimensions

Angle lockshields								
ART.	Ø1	Ø2	Ø3	A	B	C	D	E
58	1/2"	1/2"	22	41	19,5	21,5	51,5	30
60	24x19	1/2"	22	41	19,5	21,5	51,5	30

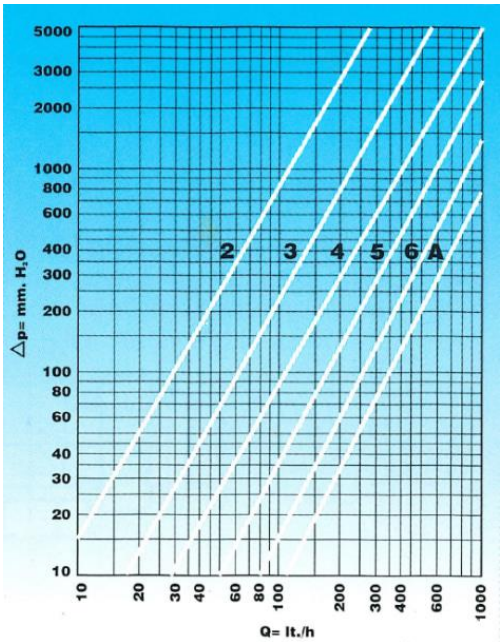
Straight lockshields									
ART.	Ø1	Ø2	Ø3	A	B	C	D	E	F
59	1/2"	1/2"	22	70,5	23,5	49,5	21	26	30



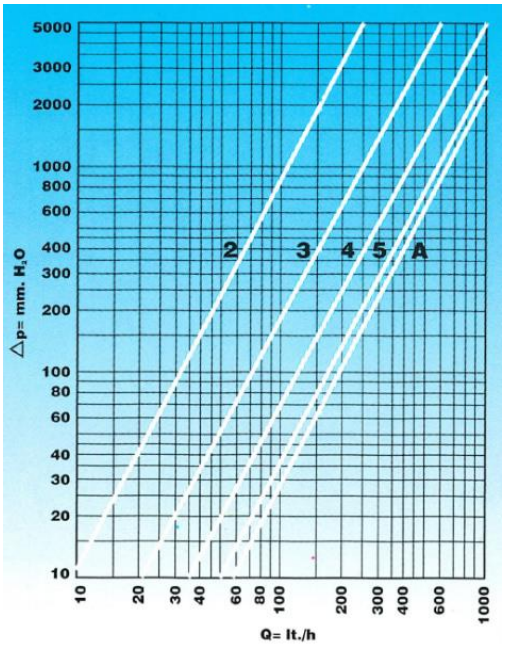
Head loss diagrams

On the diagram are indicated the head loss in the different calibration positions. The number on the line represents the numbers of turns starting from a totally closed position.

Straight lockshield



Angle lockshield



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:	Passiveted 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.