



TECHNICAL CATALOGUE

ACCESSORIES FOR SOLAR HEATING SYSTEMS

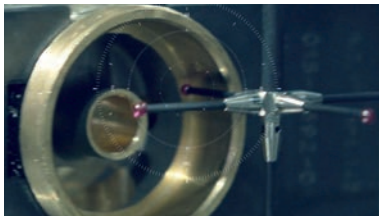
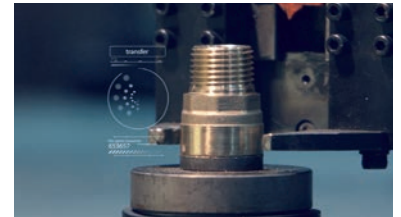
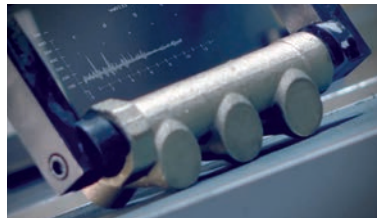
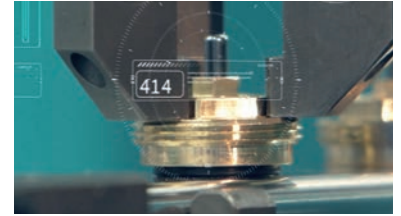
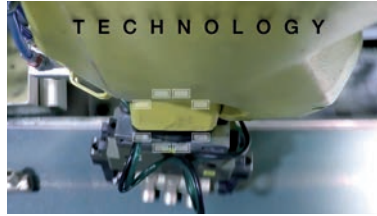


> THE COMPANY

ITAP SpA, founded in Lumezzane (Brescia) in 1972, is currently one of the leading production companies in Italy of **valves, fittings and distribution manifolds** for plumbing and heating systems.

Thanks to a fully automated production process, with 85 transfer machines and 55 assembly lines, it is capable of producing 400,000 pieces per day.

Our innate pursuit for innovation and observance of technical regulations is supported by the company certification ISO 9001. The company has always considered its focus on quality as the main tool to obtain significant business results: today ITAP SpA is proud to offer products bearing the approval of numerous international certifying bodies.



> ITAP products have obtained approvals by more than 30 certification bodies from all over the world.





ACCESSORIES FOR SOLAR HEATING SYSTEMS

362S Automatic air vent valve for solar heating systems

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MEASURE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3620038S	10/70
1/2" (DN 15)	10bar/145psi	3620012S	10/70

CERTIFICATIONS



TECHNICAL SPECIFICATIONS

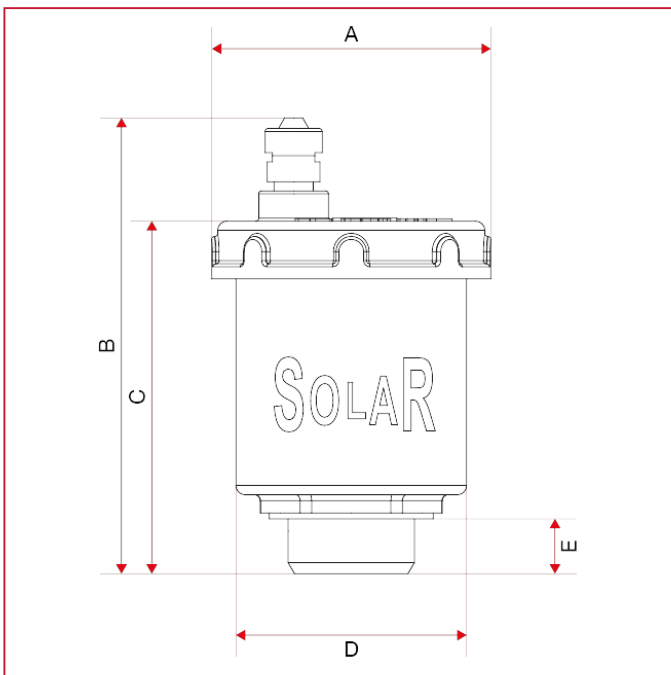
Body in nickel-plated brass.

Minimum and maximum working temperatures: -20°C, 180°C.

Nominal pressure: 10 bar.

Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

OVERALL DIMENSIONS

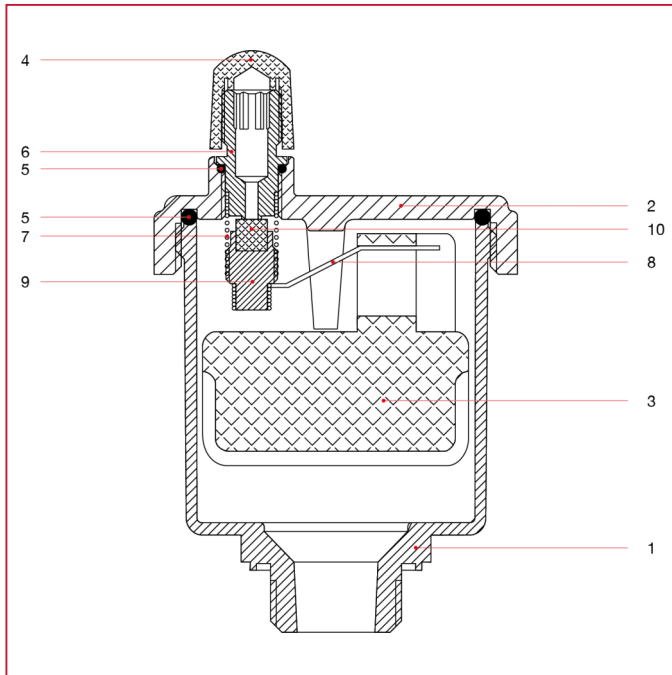




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	3/8"	1/2"
A	50	46
B	78,5	75
C	65	58
D	40	38
E	8,5	9
Kg/cm2 bar	10	10
LBS - psi	145	145

MATERIALS



POS.	DESCRIPTION	N.	MATERIAL
1	Body	-	Brass ALLOY UNI EN 1982:2008 CB754S
2	Cap	-	Brass ALLOY UNI EN 1982:2008 CB754S
3	Float	-	Polypropylene
4	Cap	-	Brass CW614N
5	O-ring	-	Red silicone
6	Mechanism	-	Brass CW614N
7	Spring	-	Stainless steel AISI 302
8	Detector	-	Stainless steel AISI 302
9	Cap	-	PPSR4
10	Rubber seal	-	Red silicone 50



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OPERATION AND INSTALLATION:

The automatic air vent valves are installed in order to remove the air that accumulates in heating and air conditioning systems. Thanks to their functioning, without need of manual operation, they allow to avoid for certain and permanently harmful phenomena that could compromise the life and the performance of any systems. Especially, it is possible to limit the negative effect of galvanic corrosion (due to extreme presence of oxygen inside the piping) and cavitation. Moreover, these valves allow to optimize the heating and cooling power of each system, since they avoid the formation of air pockets inside radiators and fan-coil units.

Such valves have to be installed in vertical position only, on top of each systems and, generally, where it is the evidence of air pockets' formation (distribution manifolds, riser pipes, etc.)

Under normal operating conditions, it is recommended to leave the cap loose.

The air flow of these valves raises in accordance to the working pressure of a system, up to reach a maximum figure when the pressure raises up to 6 bar.

Here below there is the flow rate chart of these valves, when the system is being filled: as it is possible to read, the chart includes a maximum working pressure of 6 bar, since this figure is higher than an usual working pressure in heating and air-conditioning system (generally they work till 3 bar).

