

KIT EXPANSION VESSEL SUPPORT FOR HEATING

OBJECT

The purpose of this product is to support the expansion vessel (from 5 to 40 liters) of the Heating installations. In addition, it guarantees the correct operation of the installation, as it has all the centralized security and control elements all of them at the same point.

APPLICATIONS

The application for which it has been designed is for heating installations.
For any different application, please ask our technical department.

ADVANTAGES

Regardless of the ease of having all the centralized security and control elements at the same point of the installation, this KIT offers the advantage of not having to empty the heating circuit to replace the expansion vessel. This change can be made even with the installation running.



					
5390011000	5390013400	5409123430	5406120000	5402120000	6043141300

EXPANSION VESSEL SUPPORT (for heating and DHW)

OBJECT

The purpose of this product is to support the expansion vessel (from 5 to 40 liters) of the Heating and Sanitary Hot Water installations. In addition, it guarantees the correct operation of the installation, as it has all the centralized security and control elements all of them at the same point.

APPLICATIONS

The application for which it has been designed is for Heating and Sanitary Hot Water installations. For any different application, please ask our technical department.

ADVANTAGES

It can indistinctly house all the accessories and security and control accessories, both for heating installations and for sanitary hot water. It is a versatile support.



FEATURES

Support made of 2mm square steel tube, with 3mm welded rectangular plate for fixing to the wall and with degreasing treatment, antioxidant primer and red epoxy paint finish.

It has 2 1/2" female threads in its upper part to house, on the one hand, the automatic air purge and its corresponding check valve and on the other hand, the safety valve. It also has another 1/4" female thread in its upper part to house the pressure gauge.

It has in its lower part 2 3/4" female threads to house, on the one hand, the expansion vessel (from 5 to 40 liters), with the double check valve (especially recommended to avoid emptying the circuit) and on the other hand, for its connection to the installation or circuit.

DOUBLE CHECK VALVE (for heating and DHW)

OBJECT

The purpose of this product is to connect the expansion vessel (from 5 to 40 liters) of the Heating and Sanitary Hot Water installations to the support.

APPLICATIONS

The application for which it has been designed is for Heating and Sanitary Hot Water installations. For any different application, please ask our technical department.

ADVANTAGES

To replace or change the expansion vessel, it is not necessary to empty the installation or circuit because it works as a bidirectional check valve when their bodies are separated. Maintenance interventions can be carried out on the expansion vessel with the installation running.



FEATURES

- Made of brass from extruded bar.
- 3/4 "ISO-228 (GAS) type connection threads
- 1 "ISO-228 (GAS) type intermediate thread
- Sealing gaskets made of EPDM
- Internal springs made of AISI-304

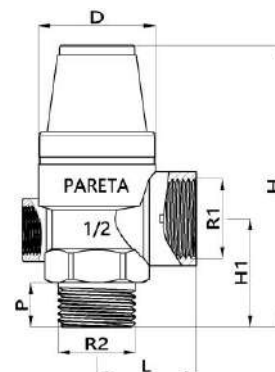
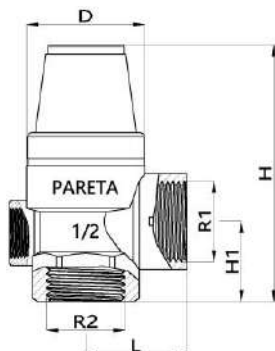
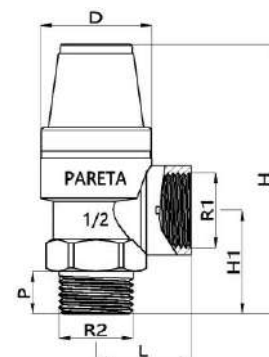
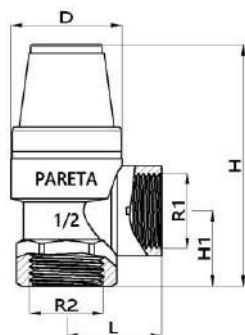
BOILER SAFETY VALVE (for 3bar, 6bar and 7bar)

OBJECT

The objective of this product is to guarantee the correct operation of the boiler in case overpressure, displacing to outside the necessary quantity of fluid to balance the internal pressure of the equipment.

APPLICATIONS

The application for which it has been designed is as an equipment safety valve, installed directly to the heating boiler. For any other application, please consult to our technical department.



Code	Pressure	D	H	H1	R1	R2	L	P	Inner box	Box	EAN
5408120300	3 Bar	Ø31	68	21	1/2" H	1/2" H	26,5	--	1 unit	50 units	8435085523403
5408120600	6 Bar	Ø31	68	21	1/2" H	1/2" H	26,5	--	1 unit	50 units	8435085523410
5409120300	3 Bar	Ø31	75	29	1/2" H	1/2" M	26,5	12	1 unit	50 units	8435085523427
5409120600	6 Bar	Ø31	75	29	1/2" H	1/2" M	26,5	12	1 unit	50 units	8435085523434
5404120300	3 Bar	Ø31	68	21	1/2" H	1/2" H	26,5	--	1 unit	50 units	8435085524066
5405120300	3 Bar	Ø31	75	29	1/2" H	1/2" M	26,5	12	1 unit	50 units	8435085524073
5409123430	3 Bar	Ø31	75	29	3/4" H	1/2" M	26,5	12	1 unid.	50 units	8435085524738
5409123470	7 Bar	Ø31	75	29	3/4" H	1/2" M	26,5	12	1 unid.	50 units	8435085524745

NOTE: dimensions are mentioned in millimetres.

BOILER SAFETY VALVE (for 3bar, 6bar and 7bar)

TECHNICAL FEATURES

- Maximum working pressure: 10 Bar
- Maximum working temperature: 110° C.
- Shutter material (obturator): EPDM
- Membrane material: EPDM
- Spring material: AISI-304
- Body material: Forged brass

OPERATION

- To open the flow or the displacement system, turn the handle anticlockwise.
- To ensure the correct valve operation, it is absolutely necessary that the valve does not remain NEVER in intermediate positions of opening or closing under any reason.
- It is recommended to carry out the opening and closing movements of valve evacuation system, at least once a month.

INSTALLATION

- For correct operation, water or fluids must be free of lime and solid particles that may obstruct or damage the leak-tight parts of the valve.
- It is mandatory to clean installation's pipes prior to the valve connection, guaranteeing inside the absence of strange elements which could damage the cutting off, leak-tightness and displacement system of the valve.
- Always respect the flow direction marked with an arrow on the valve body surface to ensure proper operation.
- Assemble the valve to network device or pipe using always suitable sealing elements and fittings for each type of valve. These fittings must carry out with regulations and standards required by the directives and current legislation.
- In case the fittings used require welding operations, DO NOT make such operations with the fitting connected to the valve, an excess of temperature could damage its vital parts of the sealing system. Also, be sure to remove all the fitting's parts that are rubber or liable to be damage in the welding process.
- Always assemble the valve to its connection ends designed for this purpose. DO NOT do it for the body, neck or handle.
- Check that connections are free of tensions, whether traction, compression, torque, bending or shearing.
- NEVER hit any part of the valve under any circumstances.
- DO NOT alter or modify any part of the valve or its components.
- Once the installation is finished, it is mandatory to carry out leaking tests required by the current regulations. These tests must always be prior to putting on service of the device or network.

PERIODIC TESTS

- Maintenance operations are not required. It is only recommended realising opening and closing movements of the valve or its displacement system, once a month at least, as described in the OPERATION section.
- During the life of the valve, leaking tests required by the current regulations must be carried out.
- Periodically check that the valve has a proper operation, mainly the opening and closing movements or its displacement system.
- Also periodically check the general appearing of the valve, ensuring that there is not any damaged part.

CAUTIONS

- Any deterioration or breakage of the valve or part of it requires complete replacement of the same one.
- Deterioration of any part of the valve means non-compliance of with the requirements of the Standards.
- Ensure that the valve is the suitable for the device or network to which we install and allows the flow and performances required for the intended use.
- All the installation must be done in accordance with the existing code of good practice, local laws, regulations, directives and approved national legislations.
- To check lacking of leaks in the installation, NEVER USE flames or any substance or product that is flammable or susceptible to fire or explosion.
- Do not use this valve for any other purpose than that one that the valve has been designed and manufactured, under any circumstance.

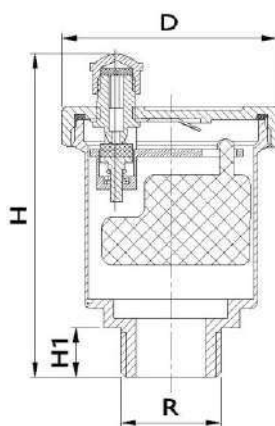
AUTOMATIC AIR PURGER

OBJETCT

The purpose of this product is to guarantee the correct operation of the boiler and the heating circuit, automatically evacuating any air that accumulates or generates inside it..

APPLICATIONS

The application for which it has been designed is as an automatic air purifier in installations and heating circuits. For any other application, consult our technical department.



TECHNICAL CHARACTERISTICS

- Maximum working pressure: 13 Bar
- Maximum exhaust pressure: 10 Bar
- Maximum working temperature: 115° C.
- Float material: Polypropylene
- Sealing material: EPDM
- Spring material: AISI-304
- Body material: Forged brass

CODE	PRESSURE	D	H	H1	R1	CASE	BOX	EAN
5406380000	10 Bar	Ø45	68	10,5	3/8" M	1 unid.	50 unid.	84350855
5406120000	10 Bar	Ø45	68	10,5	1/2" M	1 unid.	50 unid.	8435085523441

NOTE: dimensions measurements are expressed in millimeters.

INSTALLATION

- For proper operation, water or fluids must be free of lime and solid particles that can clog or damage parts of this product .
- It is mandatory to make a sweep of the pipes of the installation, prior to the placement of this product, ensuring the absence of foreign bodies or elements that may damage their systems and mechanisms.
- Connect this product to the network device or to the piping using always the appropriate sealing elements and connection accessories. These accessories must comply with the specifications of the regulations and standards required by the directives and current legislation.
- In the case of using accessories that require welding operations, DO NOT carry out these operations with the accessory connected to this product, since the excess temperature could damage the vital parts of the sealing. Also, be sure to also remove parts of the fitting that are rubber or susceptible to damage in a welding operation.
- Check that the connection is free of tensions, such as traction, compression, torsion, bending or shearing.
- NEVER hit this product by any of its parts under any circumstances.
- DO NOT alter or modify any part of this product or its components.
- Once the installation is completed, it is mandatory to carry out the leak tests required by the current regulations. These tests must always be prior to the start-up of the device or network.

PERIODIC CHECKS

- During the life of this purger, the verifications of absence of leaks required by the regulation, directive or current legislation will have to be carried out.

AUTOMATIC AIR PURGER

- Check periodically that the operation of the purguer is correct.
- Also check periodically the general appearance of the purguer, ensuring that there are no damaged parts of it.

WARNINGS

- Any deterioration or rupture of a purguer or part of it, requires the complete replacement of it.
- The deterioration of any part of a purguer means non-compliance with its requirements.
- Make sure that the purguer is suitable for the appliance or network to which it is installed and that it allows the necessary services for the intended use.
- All installations must be carried out in accordance with existing codes of practice, local laws, regulations, directives and approved national legislations.
- To check the absence of leaks in the installation, NEVER USE flames or any flammable substance or product or subject to fire or explosion.
- Never use any product for any purpose other than that which has been designed and manufactured.

CHECK VALVE FOR HEATING AIR VENT

OBJECTIVE

The main objective of this product is to prevent the return of the fluid in the opposite direction to the flow. It allows to replace the air vent of the heating circuit, even when the installation is in operation. Therefore, it will not be necessary to empty the heating circuit.

APPLICATIONS

The most common application is as a check valve, installed to the air vent of the heating circuit.

MAXIMUM WORKING TEMPERATURE

Due to the good quality of the materials used to manufacture this valve, the maximum working temperature is 110°C. However, in order to prolong the useful life of the valve, it is recommended that it work normally in a temperature range not exceeding 70°C

MAXIMUM WORKING PRESSURE

The maximum working pressure of this type of check valve is 10 Bar.

AVAILABLE SIZES

CODE	THREAD SIZES
5402380000	M.3/8" x 3/8" F.
5402120000	M.1/2" x 1/2" F.

MATERIALS

COMPONENT	MATERIAL
Body	Brass
Shutter shaft	Polymer
Spring	Stainless Steel
O-rings	EPDM



ASSEMBLY INSTRUCTIONS

For correct operation, the flow direction marked with an arrow on the valve body must be respected.

It is mandatory to clean installation's pipes prior to the valve connection, guaranteeing inside the absence of strange elements which could damage the cutting off, leak-tightness of the valve.

Check that connections are free of tensions, whether traction, compression, torque, bending or shearing.

Choose the optimal valve size, according to the pipe size of the installation and its flow rate.

Make sure that fluids are free of lime and solid particles.

Assemble the valve to network device or pipe using always suitable sealing elements and fittings for each type of valve. These fittings must carry out with regulations and standards required by the directives and current legislation.

In case the fittings used require welding operations, DO NOT make such operations with the fitting connected to the valve, an excess of temperature could damage its vital parts of the sealing system. Also, be sure to remove all the fitting's parts that are rubber or liable to be damage in the welding process.

Once the installation is finished, it is mandatory to carry out leaking tests required by the current regulations. These tests must always be prior to putting on service of the device or network.

**POINTER ON WINDOW
DRY PRESSURE GAUGES
DN 50**

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RED POINTER ON WINDOW DRY PRESSURE GAUGES DN 50

Usable with liquid or gaseous fluids that do not attack chemically the alloys of copper, do not present a high stickiness and do not crystallize.
Their preferable application is in pneumatic and hydraulic circuits, compressors, filters and pressure regulators. They fulfil norm CE.

Constructive and functional characteristics:

Accuracy:

Ø40 Type 2,5 according to EN 837-1.

Ø50 & Ø63 Type 1,6 according to EN 837-1.

Ranges: -1..0 to 0..40 bar for DN 40 and DN 50, -1..0 to 0..400 bar for DN 63 or any other equivalent unit of pressure or vacuum, standard ranges according to DIN 16 128.

Ambient temperature: -20...+60°C.

Process fluid temperature: Max. +60°C.

Temperature error:

Additional error when the temperature of the pressure element deviates from 20°C. +/-0,3% every 10 °C of change.

Working pressure: Max 75% of E.S.

Temporary overpressure: Not applicable.

Process connection Racord: In brass.

Elastic element: Phosphoric bronze. In "C" for ≥ 40 bar scales. In spiral for >40 bar scales.

Case: In ABS plastic.

Window: red pointer and green zone painted on clear plastic

Movement: In brass.

Pointer: Painted black aluminium.

Optional extras:

Tin-silver welding.

Glass window.

Others accuracy ranges.



This publication does not try to establish the bases of a contract and the company keeps the right to modify without previous notice the design and the specifications of the instruments, in accordance with his politics of continued development.

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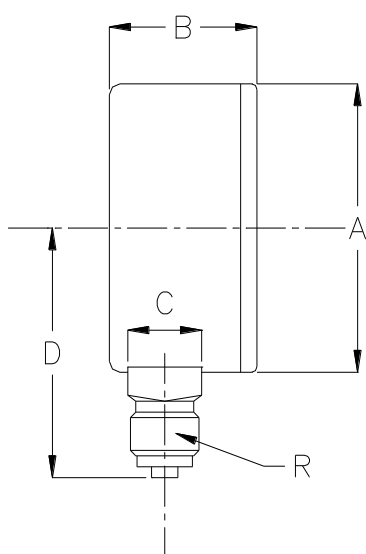
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**POINTER ON WINDOW
DRY PRESSURE GAUGES
DN 50**

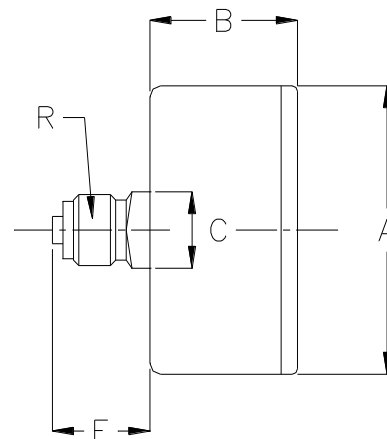
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DIMENSIONS



LOWER CONNECTION TYPE					
DN	A	B	C	D	R
40	42	25	11x11	27,5	1/8"
50	53	28	14x14	48	1/4"
63	63,5	28	14x14	51	1/4"

**DIMENSIONS
(mm)**



BACK CONNECTION TYPE					
DN	A	B	C	E	R
40	42	25	11x11	14	1/8"
50	53	28	14x14	19	1/4"
63	63,5	28	14x14	19	1/4"

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