

KIT EXPANSION VESSEL SUPPORT FOR HEATING (supplied assembled and sealed)

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.

The 290mm long support, exerting an upper leverage, features 3 holes in its base plate to ensure its stability once installed.



REMARKS:

These kits with ref. **5395010000** & **5395010290** are supplied with all the components already assembled. **Besides, the double check valve (ref. 5390013400) and the pressure gauge (ref. 6043141300) are supplied sealed with anaerobic paste.** Both the safety valve, the purger and the check valve under the purger are provided with their gaskets to achieve tightness without the need for sealing elements between the threads.

Individual box



 <p>5390011000 (long.250mm) 5390011290 (long. 290mm)</p>	 <p>5390013400</p>	<p>3 bar valve</p>  <p>5409123430</p>	 <p>5406120000</p>	 <p>5402120000</p>	<p>Pressure gauge range 0-4Bar</p>  <p>6043141300</p>
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View the product explanatory video: <https://youtu.be/6lfHaiDRpbM?si=HEs4lq7UfCRcGxom>

EXPANSION VESSEL SUPPORT (for heating and DHW)

OBJECT

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

For any different application, please ask our technical department.

FEATURES

- Support made of 2mm thick square steel tube, with a 3mm thick welded rectangular plate for wall mounting, and treated with a degreasing process, anti-corrosive primer, and finished with red epoxy paint.
- The top section features two 1/2" female threads for placing, on one side, the automatic air vent and its corresponding check valve, and on the other side, the safety valve. Additionally, there is another 1/4" female thread on the top for placing the pressure gauge.
- It features two 3/4" female threads at its lower part to placing, on one side, the expansion vessel (ranging from 5 to 40 litres), with its corresponding double check valve (particularly recommended to prevent system draining when it is necessary to replace the expansion vessel), and on the other side, for connection to the installation or circuit.

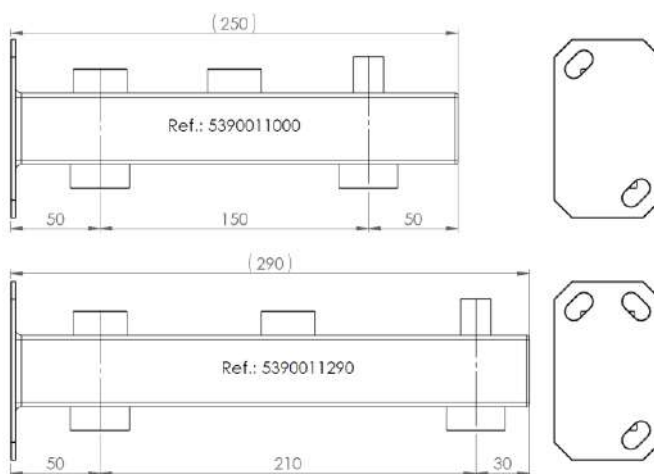
ADVANTAGES

It can place all safety and control accessories and components, both for heating installations and domestic hot water systems, interchangeably. It is a versatile support.

The 290mm long support, exerting an upper leverage, features 3 holes in its base plate to ensure its stability once installed.

FORMATS

CODE	TOTAL LENGTH	EAN
5390011000	250mm	8435085524301
5390011290	290mm	8435085525469



View the product explanatory video: <https://youtu.be/6lfHaiDRpbM?si=HEs4lq7UFcRcGxom>

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

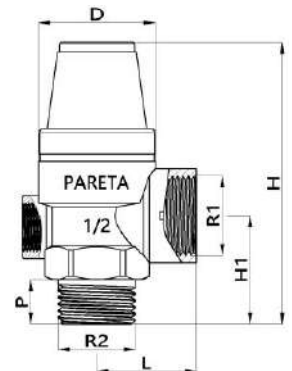
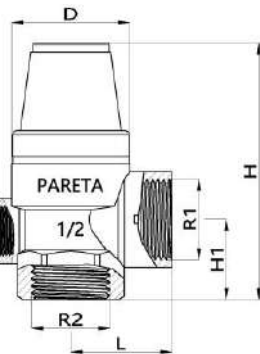
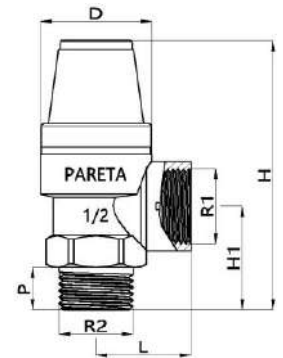
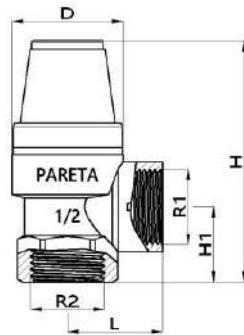
BOILER SAFETY VALVE (for 3 and 6 Bar)

OBJECTIVE

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.

APPLICATION

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

NOTE: dimensions measurements are expressed in millimetres.

BOILER SAFETY VALVE (for 3 and 6 Bar)

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.

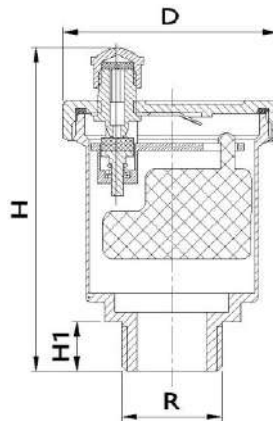
AUTOMATIC AIR VENT

OBJECTIVE

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

APPLICATIONS

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



TECHNICAL FEATURES

- Maximum working pressure: 13 Bar
- Maximum relief 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	INNER BOX	BOX	EAN
5406380000	10 Bar	Ø45	68	10,5	3/8" M	1 unit	50 unit	8435085523830
5406120000	10 Bar	Ø45	68	10,5	1/2" M	1 unit	50 unit	8435085523441

NOTE: the dimensions are expressed in millimetres.

INSTALLATION

- For correct operation, water or fluids must be free of lime and solid particles that may obstruct or damage the parts of this product.
- It is mandatory to clean installation's pipes prior to the Automatic Air Vent connection, guaranteeing inside the absence of strange elements which could damage the cutting off, leak-tightness of the valve.
- Assemble the Air Vent using always suitable sealing elements and fittings. 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 this product, 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.
- Check that connections are free of tensions, whether traction, compression, torque, 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 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.

AUTOMATIC AIR VENT

PERIODIC TESTS

- During the life of this air vent, leaking tests required by the current regulations must be carried out.
- Periodically check that the air vent has a proper operation.
- Also periodically check the general appearing of this product, ensuring that there is not any damaged part.

CAUTIONS

- Any deterioration or breakage of this product or part of it requires complete replacement.
- The deterioration of any part means the non-fulfilment of its requirements.
- Make sure that the air vent system is suitable for the device or network to which it is installed and that it provides the necessary benefits for its intended use.
- All the installation must be done in accordance with the existing code of good practice, local laws and approved national regulations.
- 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 product for any other purpose than that one that the product has been designed and manufactured, under any circumstance.

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.

MANÓMETROS ESTÁNDAR DN 50 CON AGUJA EN VISOR

Utilizables con fluidos líquidos o gaseosos que no ataquen químicamente las aleaciones de cobre, no presenten una viscosidad elevada y no cristalicen.

Su aplicación preferente es en circuitos neumáticos e hidráulicos, compresores, filtros y reguladores de presión. Cumplen norma CE.

Características constructivas y funcionales

Precisión:

Ø50 Clase 1,6 según EN 837-1.

Rangos: 0..4 bar para DN 50, para otros diámetros , rangos cualquier otra unidad equivalente de presión ó vacío, consultar

Temperatura ambiente: -20...+60°C.

Temperatura del fluido de proceso: máx. +60° C.

Error por Temperatura:

Error adicional cuando la temperatura del elemento sensible se desvía de 20°C. +/- 0,3 % cada 10 °C de variación.

Presión de trabajo:

Máx. 75% del V.F.E.

Sobrepresión temporal: No aplicable.

Racord de conexión a proceso: En latón.

Muelle tubular:

De bronce fosforoso en "C" para escalas ≥ 40 bar en espiral para escalas > 40 bar.

Caja: En plástico ABS.

Visor: En plástico transparente.

Mecanismo: En latón.

Aguja indicadora: en aluminio lacado negro.

Otras opciones:

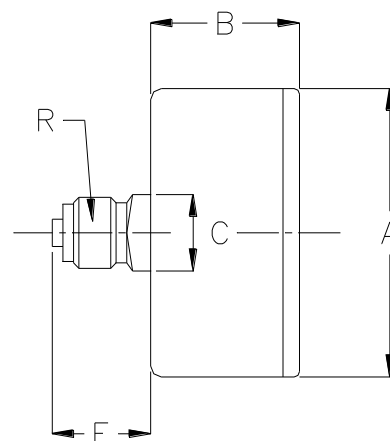
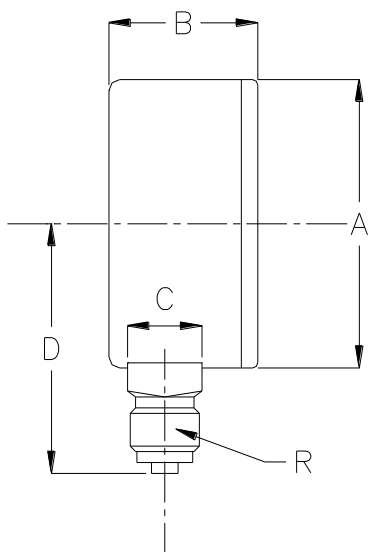
Soldadura en aleación estaño-plata.

Otros rangos de presión.



Esta publicación no pretende sentar las bases de un contrato y la empresa se reserva el derecho de modificar sin previo aviso el diseño y las especificaciones de los instrumentos, de acuerdo con su política de continuo desarrollo.

DIMENSIONES



TIPO RADIAL					
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"

**DIMENSIONES
(mm)**

TIPO DORSAL					
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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