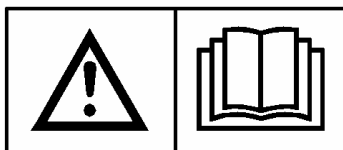
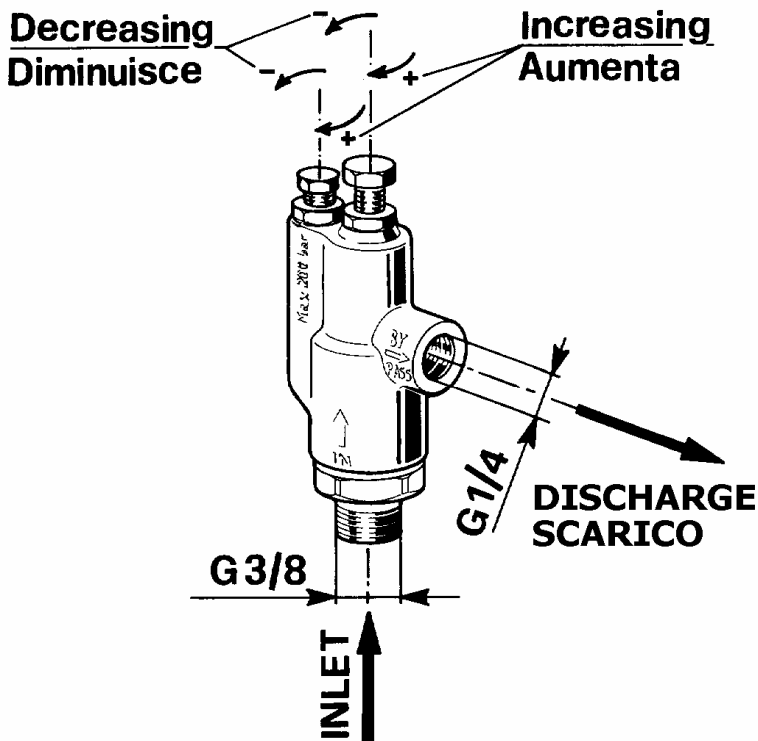
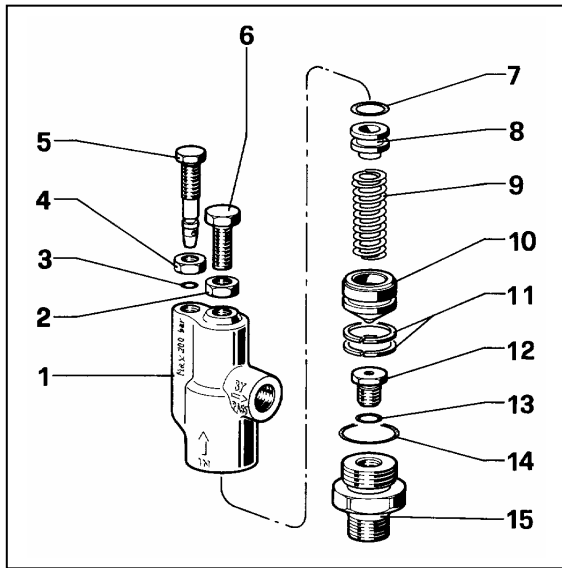


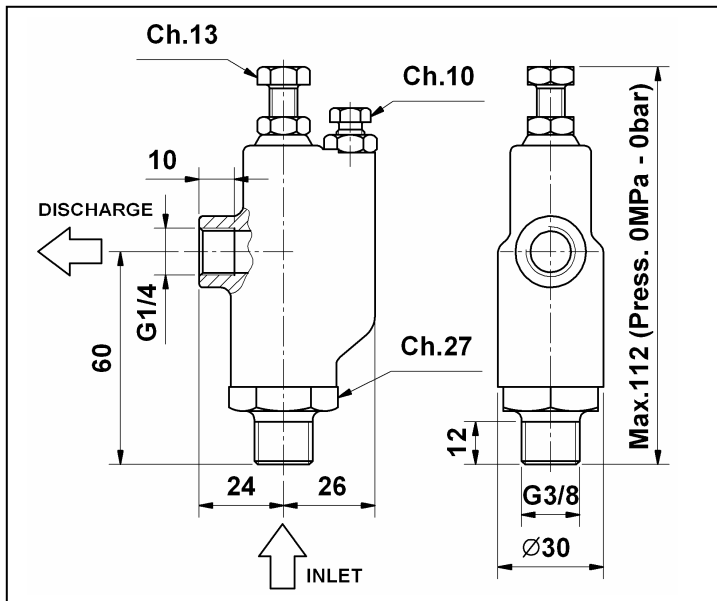
VALVOLA DI MASSIMA PRESSIONE
RELIEF VALVE
SOUPAPE DE LIMITATION DE LA PRESSION
HÖCHSTDRUCKVENTIL



ISTRUZIONI D'USO
OPERATING INSTRUCTIONS
MODE D'EMPLOI
BEDIENUNGSANLEITUNG



POS	CODE CODICE	DESCRIZIONE DESCRIZIONE	N. PCS
1	36259641	Corpo valvola	1
2	92221800	Dado M8 UNI 5589	1
3	90356600	OR Ø 2,90x1,78	1
4	92220000	Dado M8x1 UNI 5589	1
5	36260070	Vite di registro	1
6	99305600	Vite M8x20 UNI 5739	1
7	90382500	OR Ø 10,78x2,62	1
8	36260170	Piattello molla	1
9	94739600	Molla Ø 11,2x36	1
10	36260203	Assieme pistoncino	1
11	92770700	Fascia elastica Ø22	2
12	36259866	Inserto per sede valvola	1
13	90357800	OR Ø 7,66x1,78	1
14	90360000	OR Ø 21,95x1,78	1
15	36259770	Sede valvola	1



= ENGLISH =

TECHNICAL FEATURES

FLOW RATE	SETTING PRESSURE RANGE	Max. TEMP.		MASS	
		°C	°F	kg	lbs
min - max	min - max				
6 – 41 l/min 1,6 – 10,8 g.p.m. (USA)	3 – 20 MPa 30 – 200 bar 435 – 2900 p.s.i.	60	140	0,42	0,93

«Translated from original instructions»

THIS DOCUMENT PROVIDES THE INSTRUCTIONS FOR THE INSTALLATION, USE AND MAINTENANCE OF THE VALVE, THEREFORE IT IS AN INTEGRAL PART OF THE VALVE ITSELF AND MUST BE READ CAREFULLY BEFORE ANY USE AND KEPT WITH CARE.

STRICTLY COMPLY WITH THE INSTRUCTIONS CONTAINED IN THIS DOCUMENT IN VIEW OF A SAFE AND EFFECTIVE USE OF THE VALVE.

FAILURE TO COMPLY WITH THESE INSTRUCTIONS MIGHT CAUSE EARLY FAULTS AND RESULT IN SITUATIONS OF DANGER, IN ADDITION TO VOIDING ANY WARRANTY.

1- GENERAL INFORMATION

1.1- The SR relief valve is a manually-adjustable, pressure-operated device which, according to its setting, releases the excess of water when the pressure inside the pump/system exceeds the adjusted value, thus reducing the pressure. The normal working conditions can be restored by turning off and then restarting the system.

1.2- Since the SR valve is used in connection with a high pressure water pump/system, which shall be called hereafter only "system", installation and use must be suited to the type of system used and comply with the safety Regulations in force in the Country where the valve is used.

1.3- Before using the valve, make sure that the system the valve is used with is certified to comply with the relevant Directives and/or Regulations.

1.4- Before installing and using the valve for the first time, we suggest you check that it is undamaged and make sure that the rated features correspond to the required ones. If this is not the case, do not use the valve and contact the after-sales service of Interpump Group for information.

2- PACKAGE

2.1- Packages must be handled in compliance with the instructions stated on the packages themselves and/or provided by the manufacturer.

2.2- In case the valve is not used immediately, it must be stored in its integral package and placed in areas which are not exposed to the weather and which are protected from excessive humidity and from direct sunlight. Moreover, it is advisable to place wooden pallets or other types of pallets between the package and the floor, in order to prevent the direct contact with the ground.

2.3- The package components must be disposed of in compliance with the relevant laws in force.

3- INSTRUCTIONS FOR INSTALLATION AND PRESSURE SETTING:

3.1- The installation and the pressure setting must be made by qualified and authorized staff only, who must have the required skills to handle high pressure systems and be informed of the operating and safety instructions contained in this document.

3.2- In order to determine the setting pressure of the SR valve, it is necessary to equip the high pressure feeding line of the system also with a pressure regulator.

3.3- The setting pressure is the pressure at which the valve opens, thus determining the maximum pressure value that the system cannot exceed.



IMPORTANT: the value of the setting pressure is to be determined within the pressure range stated in the table of technical features.

3.4- Pressure setting:

3.4.1- Connect the SR valve and the pressure regulator to the water system.

3.4.2- Unloose the nut Pos. 4 and the throttling screw Pos. 5.

3.4.3- Unloose the nut Pos. 2 and the adjustment screw Pos.6 in order to completely release the spring.

3.4.4- Open the gun or the water control device and start the system. Make sure that the air contained in it is fully ejected.

3.4.5- Slightly screw down the adjustment screw Pos 6.

3.4.6- Keeping the gun or the water control device open, slowly increase the pressure in the system by using the pressure regulator.

3.4.7- Check the pressure value at which the SR valve opens releasing the excess of water.

3.4.8- Perform the steps 3.4.5, 3.4.6 and 3.4.7 again until the desired setting pressure is reached.

3.4.9- When the desired pressure has been reached, open the gun/control device a few times again in order to stabilize the various components (seals, spring etc.).

3.4.10- Should the SR valve vibrate or work discontinuously when opening, i.e. during the water discharge, slowly screw down the throttling screw Pos. 5 until a steady and regular working is obtained.

3.4.11- Tighten the nuts Pos. 2 and 4 in order to fix the adjustment screw Pos. 6 and the throttling screw Pos. 5.

3.5- Once the setting has been accomplished, we suggest you lock the adjustment screw Pos. 6 in order to avoid any unintentional variation of the pressure and indicate on the valve itself the actual value of the setting pressure that has just been determined.

3.6- During the normal functioning of the system, the maximum working pressure should be kept within approx. 85% of the setting pressure of the valve.



Interpump Group disclaims all responsibility for any damages caused by the inaccurate adjustment of the setting pressure and/or by any incorrect use of the valve that cannot be reasonably predicted.

IMPORTANT: during use, never exceed the maximum values of pressure, flow-rate and temperature as stated in this document and/or indicated on the valve.

4- WARNINGS

4.1- The installer must provide the ultimate consumer with the proper instructions for the correct use of the system the valve will be used in connection with.

4.2- The fittings used to connect the valve to the system must be suited to the valve performance features. **IMPORTANT:** to obtain an effective functioning of the valve, we suggest you install it by the component or in the system section that you wish to protect most from pressure peaks.

4.3- Use soft and filtered water only. In case of salt water and/or of water containing solid particles of a size exceeding 360µm, the internal components of the valve will be subject to quick wear; furthermore, this might compromise the correct functioning of the valve. Addition agents can be used in the water, provided that they are delicate, biodegradable and always complying with the Regulations in force in the Country where the valve is used.



4.4- In the systems for hot water production, the temperature of the liquid that comes into contact with the valve must always be lower than the value stated in this instruction manual and indicated on the valve itself. **Avoid the formation of steam or overheated water.**



IMPORTANT: When the temperature of the liquid is close to the maximum value, the outside temperature of the valve body is only slightly inferior. Therefore, take care in case of contact with the hot surfaces.

4.5- Before operating the system, it is advisable to start it for a preliminary test run in order to check that the system is properly installed.



4.6- IMPORTANT: Do not obstruct the outlet port for any reason. The inside diameter of the fitting used on the outlet port shall not be lower than 7mm. Do not try and convey the discharged water; instead, always release in the atmosphere. Failure to comply with these simple instructions would affect the correct functioning of the valve.

4.7- To fix the valve, tighten the G3/8" threaded fitting (torque wrench setting: 45 N/m), and tighten the G1/4 outlet port fitting (torque wrench setting: 22 N/m).

In order to ensure the seal, fit a metal washer with a rubber ring between the fittings, or use a proper sealant on the thread.

4.8- Should the relief valve open, turn off the system and find out what is the cause of the pressure increase.

5- MAINTENANCE

5.1- Any maintenance and/or repair must be carried out by authorized staff only.



5.2- We suggest you check, at least every 2 years or after reaching 500 working hours of the system, that the valve opens correctly in order to verify the correspondence with the setting pressure.

5.3- The valve is entirely made of non-toxic and safe materials; however, in case of disposal, we suggest you do not disperse it in the environment but take it to an authorized disposal centre or contact the nearest INTERPUMP GROUP Authorized Service Centre.



IMPORTANT: The valve shall not be tampered with for any reason and/or used for any purpose other than the use it has been designed for. In case of tampering, the manufacturer disclaims all responsibility as to the valve functioning and safety.

6- WARRANTY CONDITIONS

6.1- The period and conditions of warranty are specified in the purchase contract.

6.2- Warranty is voided in case the valve is used for improper purposes, used at higher performances than the rated ones, repaired with non-original spare parts or if it turns out to be damaged due to the non-compliance with the operating instructions or to unauthorized tampering.

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