



Pressure Relief Valves

SSP Series S pumps have the option of being fitted with pressure relief valves. These are supplied as an integral part of the pump and do not require any external pipework. The assembly replaces the standard rotorcase cover and is intended to protect the pump from over pressurisation. The valve will provide full pump protection for fluids having viscosities below 500 cP, above this figure Alfa Laval Pumps Ltd should be consulted with regard to specific flow rates in relation to viscosity and differential pressures. The design is such that the valve mechanism is isolated from the pumped media.

As it is a mechanical device the relief valve does not operate instantaneously due to mechanical response time. The valve will begin to relieve at a pressure less than the fully open pressure. This 'accumulation' will vary depending upon the duty pressure, viscosity and pump speed. The accumulation tends to increase as pressure or pump speed decrease, and as viscosity increases. The valve is set to relieve at the required pressure by the correct choice of springs and can be adjusted on site to suit actual duty requirements.

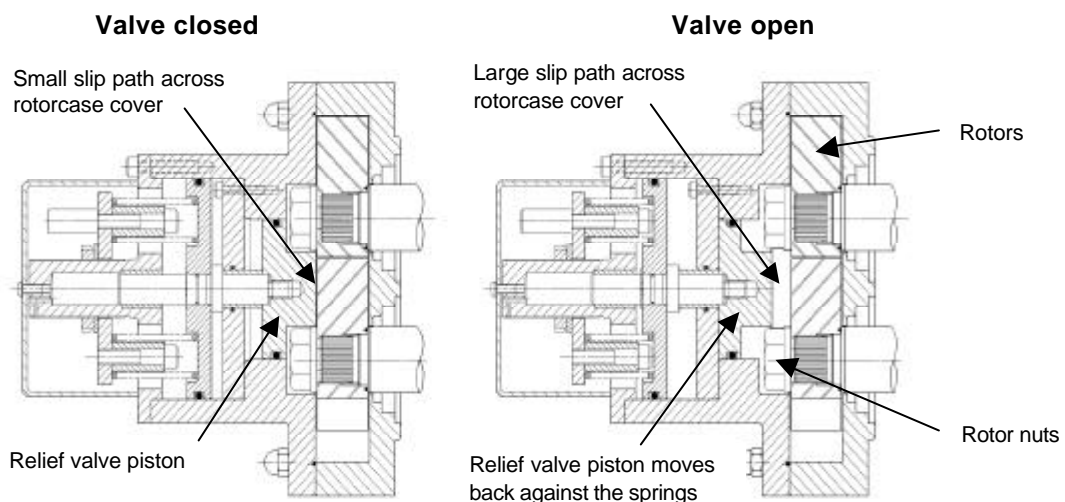
The relief valve can be provided with the following options:

Automatic with Pneumatic Override - These valves may be pneumatically overridden for CIP conditions and/or remotely controlled if required. Air supply should be clean and dry at pressures of 4 - 8 bar (60 - 115 psi).

Automatic with Manual Override - This valve has a lever to enable manual override for CIP or certain tank filling applications.

Valve Type	Pump Model	Normal Operating Pressure Range
Standard	S1-6	7-19 bar (100-275 psi)
Pneumatic override	S1-6	7-19 bar (100-275 psi)
Manual override	S1-3	19 bar (275 psi)
	S4-5	7-10 bar (100-145 psi)
	S6	7 bar (100 psi)

Pressure relief valves are only available for Series S pumps fitted with metal rotors.



Represented By:

KGO Group Ltd.
www.kgogroup.com

1200 Speers Rd., #52
Oakville, ON
Canada L6L 2X4

The information contained herein is correct at the time of issue, but may be subject to change without prior notice