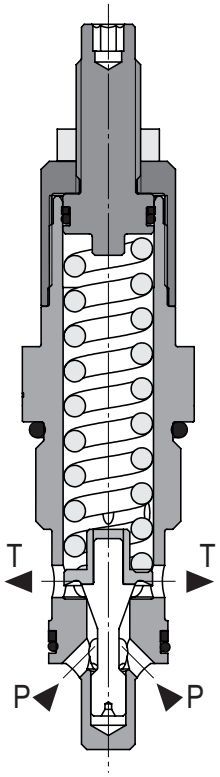
SR1A-CA2

1-1/16-12 UN • Q_{max} 120 l/min (32 GPM) • p_{max} 350 bar (5100 PSI)



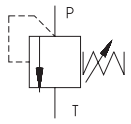
Technical Features

- High flow rate up to 120 l/min
- Four pressure ranges
- Stable function over the entire flow range with quick response to the pressure changes
- Failure resistant design
- Low leakages of closed valve thanks to quality material of seat and hardened poppet
- In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

SIC pressure relief valve, direct acting, is intended to set maximum pressure in the circuit and protect the hydraulic circuits against overloading. The hardened poppet is pressed to the sealing edge of seat by spring force. The valve is closed in the basic position. If the system pressure exceeds the value of cracking pressure, set by compressing the spring, the poppet is pushed out of the seat and the circuit is relieved by the fluid draining to the tank. After the pressure drop in the circuit, the valve closes again.

Symbol	



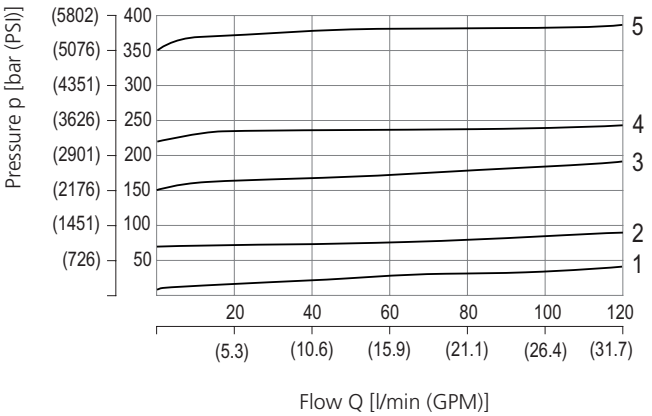
Technical Data

Valve size / Cartridge cavity		1-1/16 12 UN / CA2
Max. flow	l/min (GPM)	120 (32)
Max. operating pressure	bar (PSI)	350 (5100)
Fluid temperature range (NBR)	°C (°F)	-20 ... +90 (-4 ... 194)
Weight	kg (lbs)	0.30 (0.66)

	Datasheet	Type
General information	HA 0060	Products operating conditions
Cavity details / Form tools	HA 0019	SMT-CA2*
Spare parts	HA 8010	

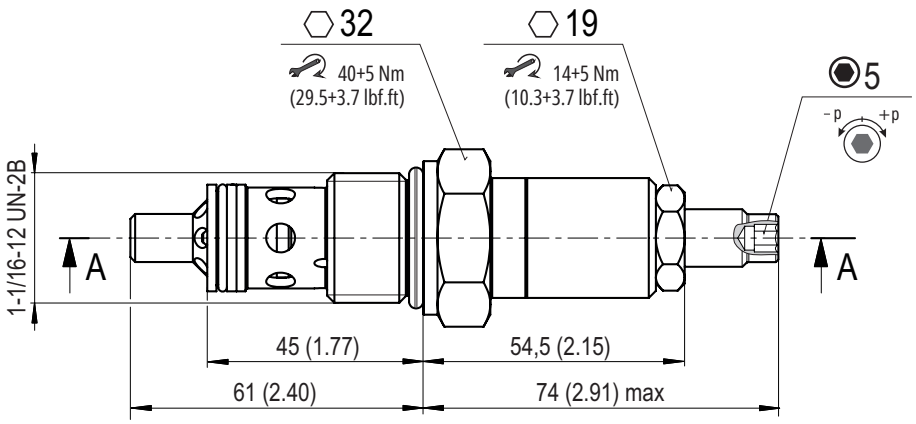
Characteristics measured at ν = 32 mm²/s (156 SUS)

Relief pressure related to flow rate



	Pressure range	Adjustable pressure range
5	35	230-350 bar
4	23	150-230 bar
3	15	70-150 bar
2	7	10-70 bar
1	7	Δp

Dimensions in millimeters (inches)



Ordering Code

SR1A-CA2 / H ☐ S ☐ - A

Pressure relief valve, poppet type, direct acting

Valve cavity
1-1/16-12 UN / CA2

Model
High performance

Pressure range

adjustable pressure	10-70 bar (150-1020 PSI)	**7**
adjustable pressure	70-150 bar (1020-2180 PSI)	**15**
adjustable pressure	150-230 bar (2180-3340 PSI)	**23**
adjustable pressure	230-350 bar (3340-5080 PSI)	**35**

Seals

No designation	NBR

Adjustment option
allen key (hex. 5), without protective cap

Surface treatment*
zinc-coated (ZnCr-3), ISO 9227 (240 h)

*For alternative surface treatment contact our technical support.