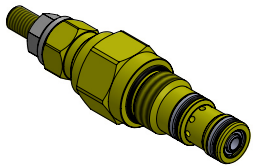
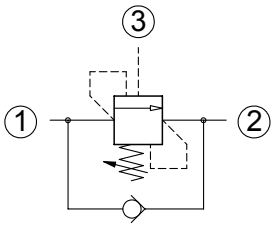
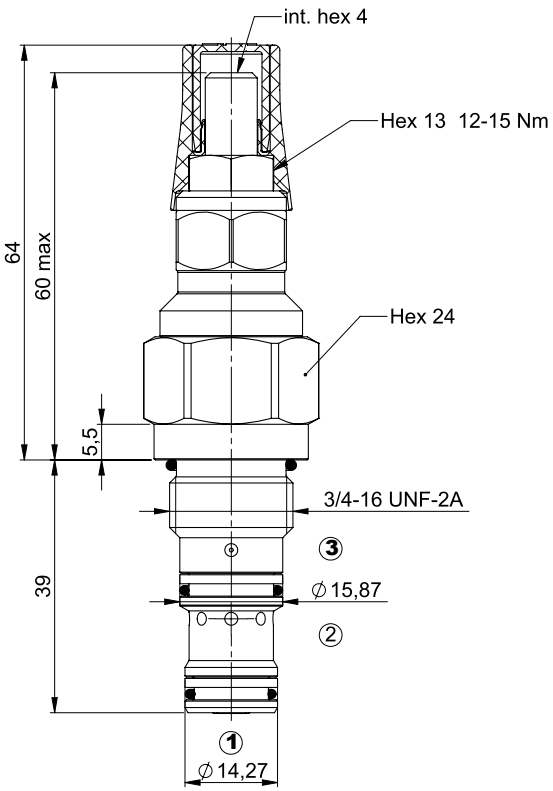
Load holding valves

Normale SAE08 4:1 SP adjustable setting



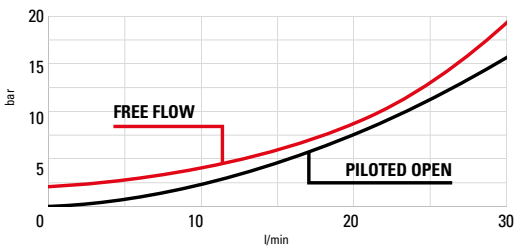




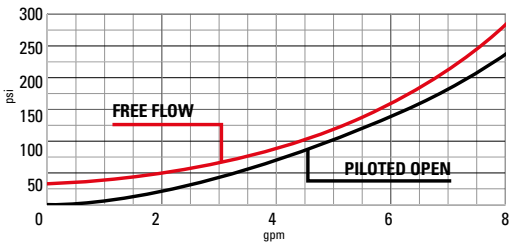
Technical Details

cavity	SAE 08
capacity	30 lpm (8 gpm)
max operating pressure	350 bar (5000 psi)
pilot ratio	4:1
maximum setting	350 bar (5000 psi)
minimum setting	50 bar (725 psi)
pressure increase per turn	136 bar (spring D) - 109 bar (spring M) - 73 bar (spring T)
pressure setting established @	cracking pressure (1in3/min)
maximum valve leakage at reseat	5 drops / minute
operating characteristic	standard
reseat	>85%
Maximum recommended load pressure at maximum setting	280 bar (4000 psi)
valve hex size	24
valve installation torque	34-41 Nm (25-30 lbf ft)
adjustment screw internal hex size	4
seal-lock hex size	13
seal-lock torque	12-15 Nm (9-11 lbf ft)
valve weight	0.150 Kg (0.33 lbs)
external component surface treatment	zinc plating + sealing
seal kit (nbr)	S0SAE08SN700000
seal kit (viton)	S0SAE08SV700000
temperature range	.-30 to 100°C (-22 to 212°F) with BunaN seals;
fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm^2/s (cSt)
filtration	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/36

- Turn adjustment clockwise to increase setting
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure
- Set your counterbalance valve at least 1.3 times the maximum load induced pressure
- This valve is provided with positive seals between all ports
- Declared reseat value is obtained with valve set @ maximum setting



Performance curves



Seals and anti-tamper options
A = BUNA + sealed piston
C = VITON + sealed piston
G = BUNA + anti tampering + sealed piston
H = VITON + anti tampering + sealed piston

C	0	0					0	4	0	8	0	0	A

Setting (bar)

Spring
T = 70-150 (73 bar/turn)
M = 100-210 (109 bar/turn)
D = 200-350 (136 bar/turn)

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