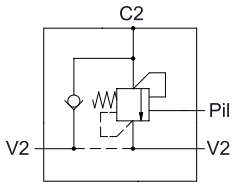
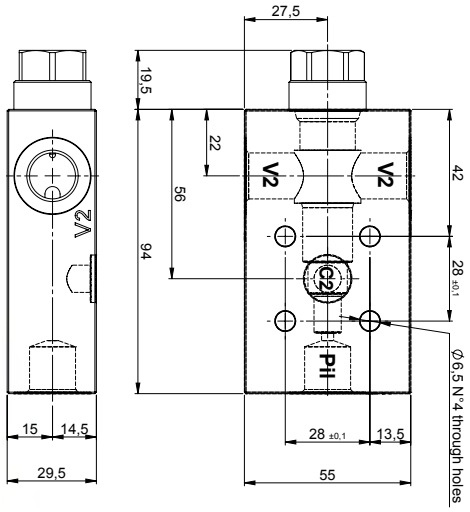
Load holding valves

Normale 31NPS S FC1 PIL 3/8 F

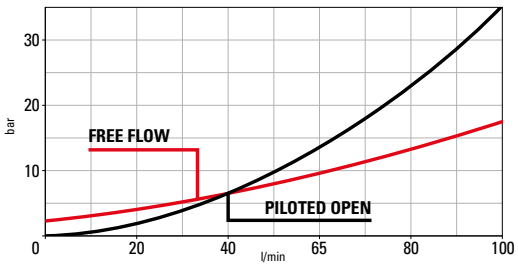




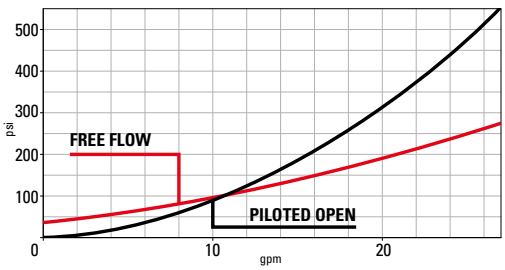
Technical Details

body material	zinc plated steel
capacity	90 lpm (24 gpm)
ports size	V2, Pil: G 3/8 C2: ϕ 9
max operating pressure	350 bar (5000 psi)
pilot ratio	2:1 - 4:1 - 7:1 - 11:1
maximum setting	420 bar (6100 psi)
minimum setting	60 bar (870 psi) : 2:1 - 4:1 100 bar (1450 psi): 7:1 - 11:1
pressure setting established @	cracking pressure (1in3/min)
maximum valve leakage at reseat	5 drops / minute
operating characteristic	standard
reseat	>80%
maximum recommended load pressure at maximum setting	330 bar (4800 psi)
valve weight	1,09 Kg (2,4 lbs)
external component surface treatment	zinc plating + sealing
seal kit (nbr)	SK190SH1077x262
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 19/17/14

- 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
- Indicated Reseat value is obtained with valve set @ maximum setting
- For customized settings and for settings from 360 bar to 420 bar please consult factory
- For special ports please consult factory



Performance curves



S | N | S | 3 | 1 | 1 | | | G | 3 | 8 | | 0 | 0 | 0

02 = 2:1
04 = 4:1
07 = 7:1
11 = 11:1

Spring I = 60-210 bar
(Sandard Setting 200 bar)
Spring H = 210-360 bar
(Sandard Setting 350 bar)

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