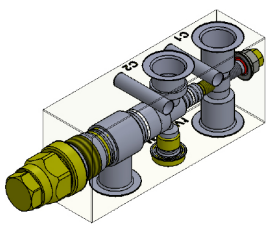
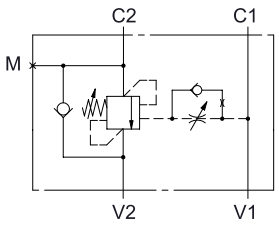
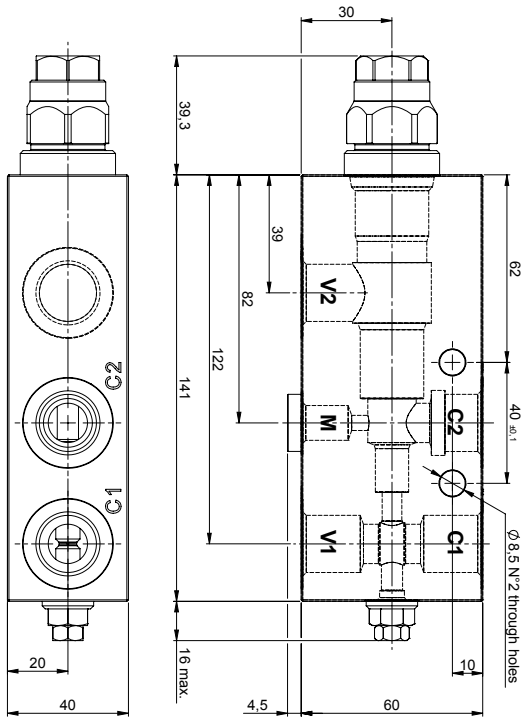
Load holding valves

Normale 34 S L 1/2



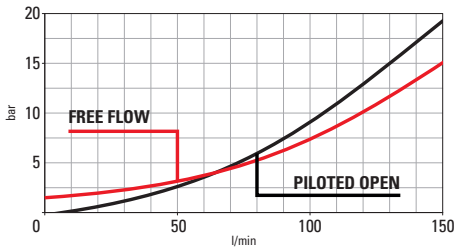




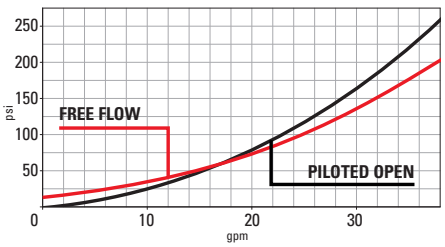
Technical Details

body material	aluminum or zinc plated steel
capacity	150 lpm (40 gpm)
ports size	C1, C2, V1, V2: G 1/2 M: G 1/4
max operating pressure	350 bar (steel block) - 210 bar (aluminum block)
pilot ratio	4:1 - 8:1
maximum setting	420 bar (6100 psi)
minimum setting	60 bar (4:1) - 100 bar (8:1)
pressure increase per turn	4:1 Spring M: 30 bar/turn Spring D: 73 bar/turn 8:1 Spring M: 54.5 bar/turn Spring D: 132 bar/turn
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)
adjustment screw internal hex size	8
valve weight	2,47 Kg (5,4 lbs)
external component surface treatment	zinc plating + sealing for steel body
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

- Aluminum bodies can be anodized upon request
- 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



A = aluminum
S = steel

Spring M = 60-210 bar
(Sandard Setting 200 bar)
Spring D = 110-350 bar
(Sandard Setting 350 bar)

N	S	3	4	L			G	1	2		0	0	0

04 = 4:1
08 = 8:1

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