Load holding valves
Normale T11A GT 8:1 adjustable setting

VALVOLE ITALIA®
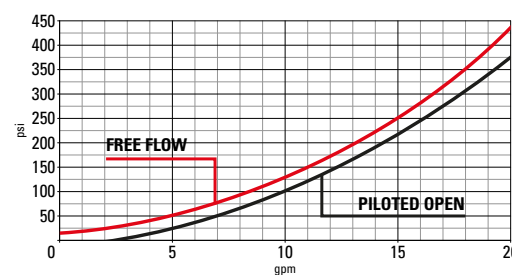MANIFATTURA ITALIANA DI VALVOLE OLEODINAMICHE
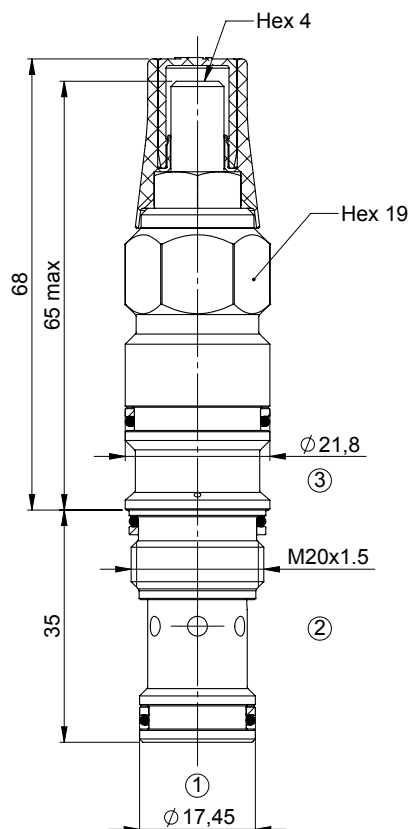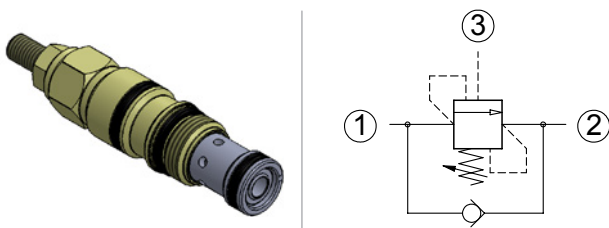
Technical Details

cavity	T11A
capacity	75 lpm (20 gpm)
max operating pressure	350 bar (5000 psi)
pilot ratio	8:1
maximum setting	310 bar (4500 psi)
minimum setting	70 bar (1000 psi)
pressure increase per turn	93 bar (spring D) - 50 bar (spring M)
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	250 bar (3600 psi)
valve hex size	19
valve installation torque	40-45 Nm (30-35 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)	S00T11ASN900000
seal kit (viton)	S00T11ASV900000
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 mm²/s (cSt)
filtration	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/32

- 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 not provided with positive seals on the pilot section
- Declared reseat value is obtained with valve set @ maximum setting

Hex 4
Hex 19

68
65 max
35

Ø 21,8 ③
M20x1.5
②
①
Ø 17,45

Performance curves

FREE FLOW
PILOTED OPEN

bar / l/min

FREE FLOW
PILOTED OPEN

psi / gpm
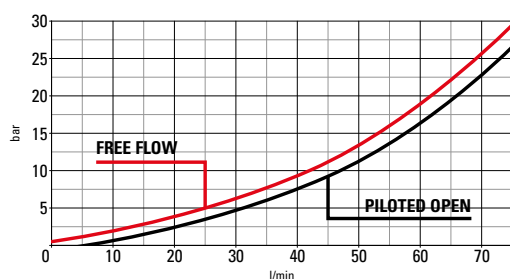
Seals and anti-tamper options
0 = BUNA SEALS
6 = BUNA tamper resistant
2 = VITON SEALS
7 = VITON tamper resistant

| C | 2 | 0 | | | | 0 | 8 | 1 | 1 | 0 | 0 | A |

Setting (bar)

Spring
M = 70-190 bar
D = 140-310 bar

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