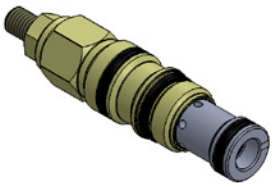
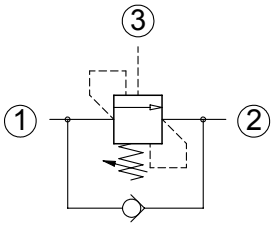
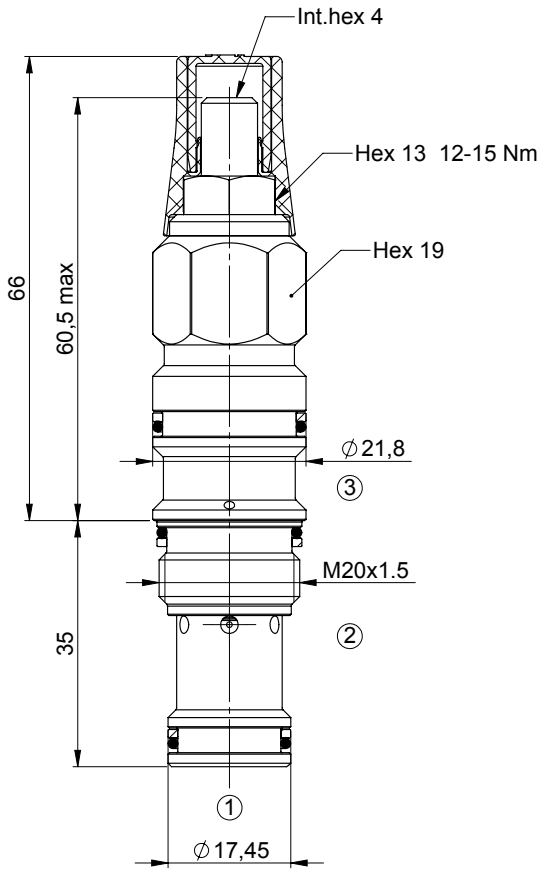
Load holding valves

Normale Ristretta T11A 4:1 SP adjustable setting

VALVOLE ITALIA®
MANIFATTURA ITALIANA DI VALVOLE OLEODINAMICHE



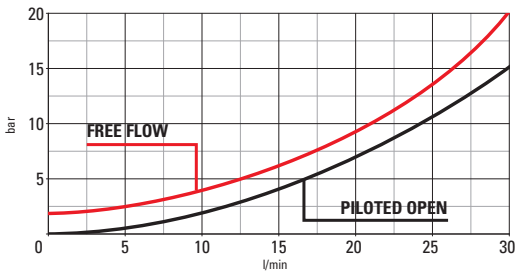




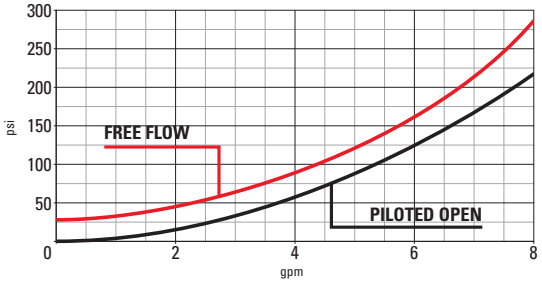
Technical Details

cavity	T11A
capacity	30 lpm (8 gpm)
max operating pressure	350 bar
pilot ratio	4:1
maximum setting	280 bar (4000 psi)
minimum setting	70 bar (1000 psi)
pressure increase per turn	155 bar (2250 psi)
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	230 bar (3350 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 19/17/16

- 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 SEALS
G = BUNA tamper resistant
C = VITON SEALS
H = VITON tamper resistant

C	0	4					0	4	1	1	0	0	A

Setting (bar)

Spring
M = 70-280 bar

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