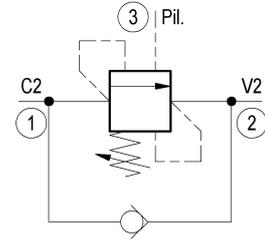
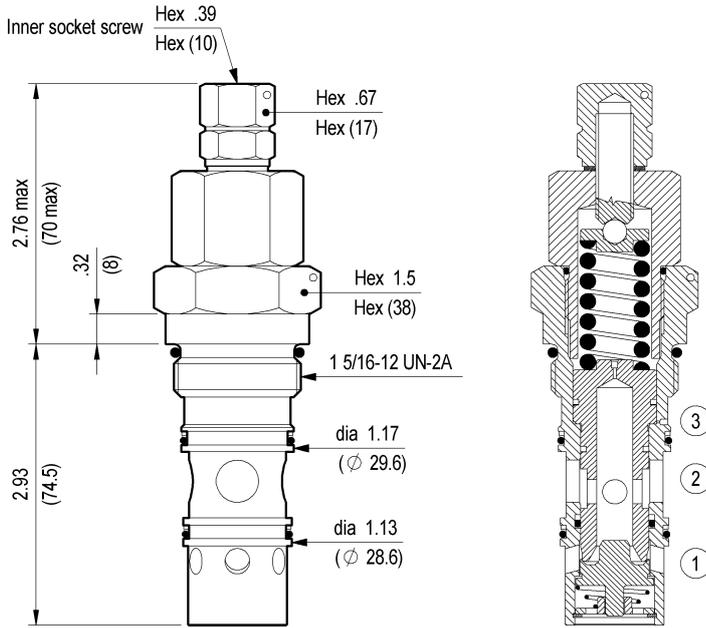


**COUNTERBALANCE, STANDARD POPPET TYPE  
DIFFERENTIAL AREA  
SPECIAL CAVITY**

**VBSO-SEC-150**

**04.52.02 - X - 99 - Z**



**TECHNICAL DATA**

Max. pressure: 5000 psi (350 bar)

Max. flow: 40 gpm (150 l/min)

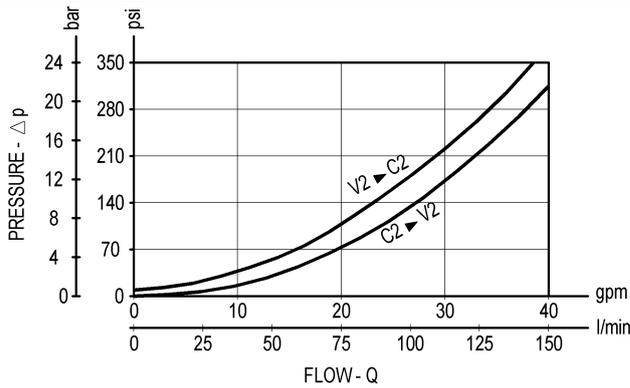
Special cavity : 059 (see page CT.S.002.U)

Installation torque : 105-114 ft-lb (142-154 Nm)

Weight: 1.323 lbs (0.600 Kg)

Pressure setting: at least 1.3 times the load induced pressure

When pressure at 2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from 2 to 1. When load pressure at 1 rises above the pressure setting, the direct-acting, differential area relief function is activated and flow is relieved from 1 to 2. With pilot pressure at 3, the pressure setting is reduced in proportion to the stated ratio of the valve, until fully open with free-flow from 1 to 2. The spring chamber is drained to 2, and any back-pressure at 2 is additive to the pressure setting in all functions.



**X PILOT RATIO**

**03** 4.6 : 1

**Z**

**SPRINGS**

	Adj. press. range psi (bar)	Press. increase psi / turn (bar/turn)	Standard setting psi (bar) (Q=5 l/min)
<b>20</b>	870-3000 (60-210)	812 (56)	2900 (200)
<b>35</b>	1450-5000 (100-350)	1508 (104)	5000 (350)

**OPTIONS**

Ordering code	Description
03.05.01.005	<p>Sealing cap</p>

Special settings available. Contact factory authorized representative for ordering code.