

# **OPERATION**

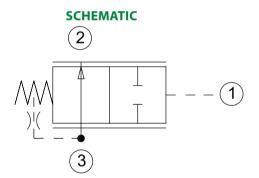
The CP302-4 is a 16-size, flow control, restrictive type pressure compensator. Restrictive-type pressure compensators are three-ported valves that work in series with a fixed or variable control orifice. The pressure compensator is located downstream of the orifice and is spring-biased to an open position as shown in the example circuit. The spool "senses" the pressure on either side of the control orifice and will vary it's restriction in order to maintain a constant pressure differential across the control orifice, hence maintaining a constant flow rate.

# **APPLICATION**

Common applications include any circuit that requires compensated flow control going to one actuator or circuit. Pressure compensators offer the circuit designer capability to add pressure compensation to any fixed or variable orifice. This ensures that flow, and resulting actuator speed, are maintained regardless of system and working pressures

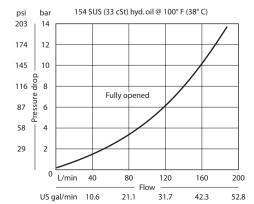
#### SPECIFICATION

Rated pressure	210 bar [3000 psi]
Rated flow at 7 bar	130 l/min
[100 psi]	[34 US gal/min]
Weight	0.56 kg [1.24 lb]
Cavity	SDC16-3

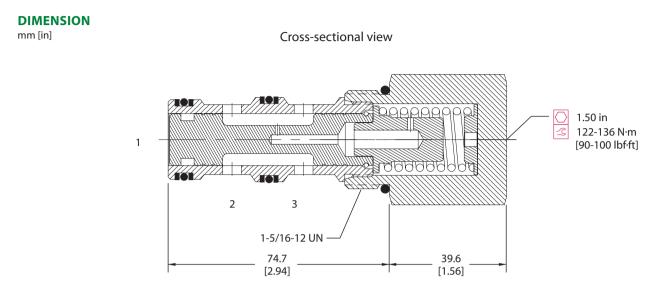


# **PERFORMANCE CURVE**

# Theoretical performance







Logic Elements Catalog Pressure Compensator

CP302-4

#### **EXAMPLE CIRCUITS**

