Logic Elements
CP700-4

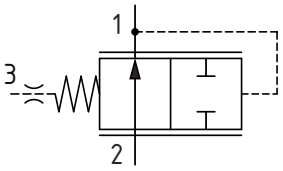
Logic Element, Normally Open, Spool Type, Pilot to Open

210 bar [3000 psi] • 40 l/min [11 US gpm]

DESCRIPTION AND OPERATION

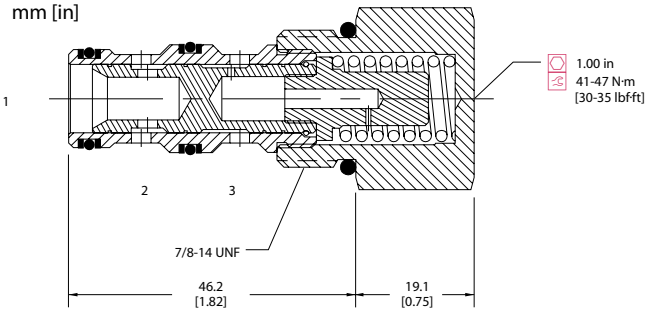
This is a 3-ported, normally open, pilot to open, spool type logic element. Flow is open from port 2 to port 1, until pressure in port 1 is sufficient to overcome the spring set pressure plus any pressure in port 3. The pressure in port 3 can be controlled remotely making the valve ideal for use as a normally open on/off element in a pressure reducing function. This valve is most commonly used as a pressure compensator in conjunction with a proportional directional valve.

SCHEMATIC



DIMENSIONS

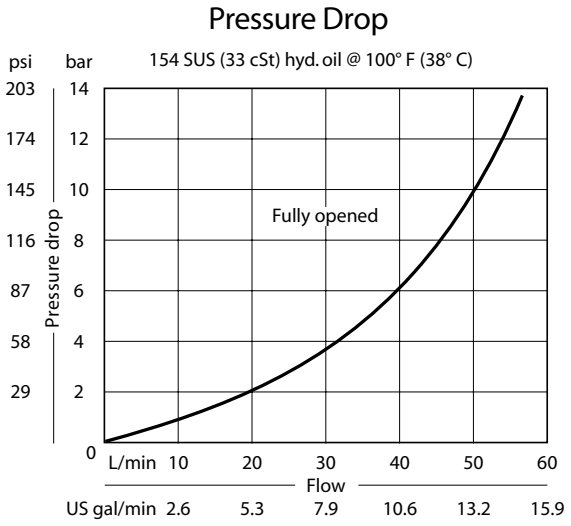
mm [in]



PERFORMANCE DATA

Rated pressure	**210 bar [3000 psi]**
Rated flow @ 7 bar [100 psi]	**40 l/min [11 US gpm]**
Weight	0.13 kg [0.28 lb]
Cavity	SDC10-3

PERFORMANCE CURVES



MODEL CODE

CP700 - 4 - B - 8S - 080

Seal Option

Code	Seal kit
B-Buna - N	120009
V-Viton	120010

Housing

Code	Ports & Material	Housing Model Code
0	No Housing	
SE3B	AL, 3/8 BSP	SDC10-3-SE-3B
SE4B	AL, 1/2 BSP	SDC10-3-SE-4B
6S	AL, #6 SAE	CP10-3-6S
8S	AL, #8 SAE	CP10-3-8S

* Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].
* Additional housings available

Differential Pressure

Code	Bar	Psi
040	2.8	[40]
080	5.5	[80]
110	7.6	[110]
150	10.3	[150]
200	13.8	[200]