



Traction Control HIC Technical Information

LFB12

OPERATION & APPLICATION

The Loop Flushing Block allows oil to drain from the power transmission loop to other oil treatment components. The low pressure side of the circuit is directed to the relief valve, which is then drained out of the transmission loop.

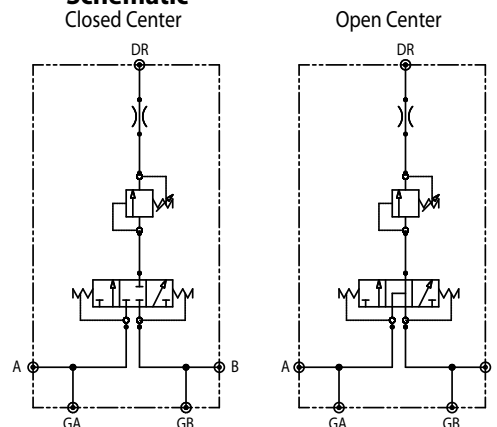
This HIC is typically used in closed loop circuits to assist in the process of removing contamination and cooling oil. Hydrostatic systems with sustained operation and continuous pressure will benefit from a loop flushing circuit.

To configure the LFB12, determine the charge pump pressure and desired flushing flow. Working up from the desired flow, select the orifice size with a pressure rise that, when added to one of the available relief settings (in the ordering information section), meets the charge pump pressure.

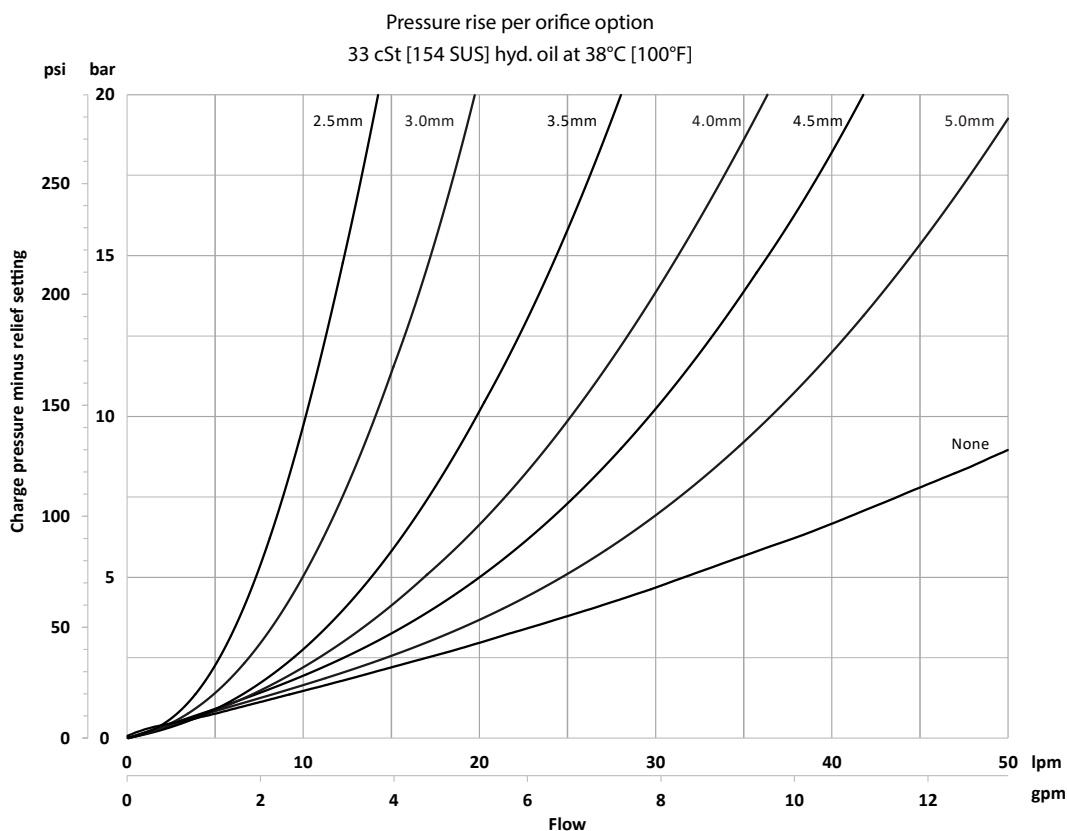
Specifications

Rated pressure	350 bar [5075 psi]
Rated flow	See performance chart
Weight	3.4 kg [7.5 lb]
Valves	CP721-3 [Shuttle] CP210-1 [Relief] M12 orifice plug
Material	Ductile Iron

Schematic

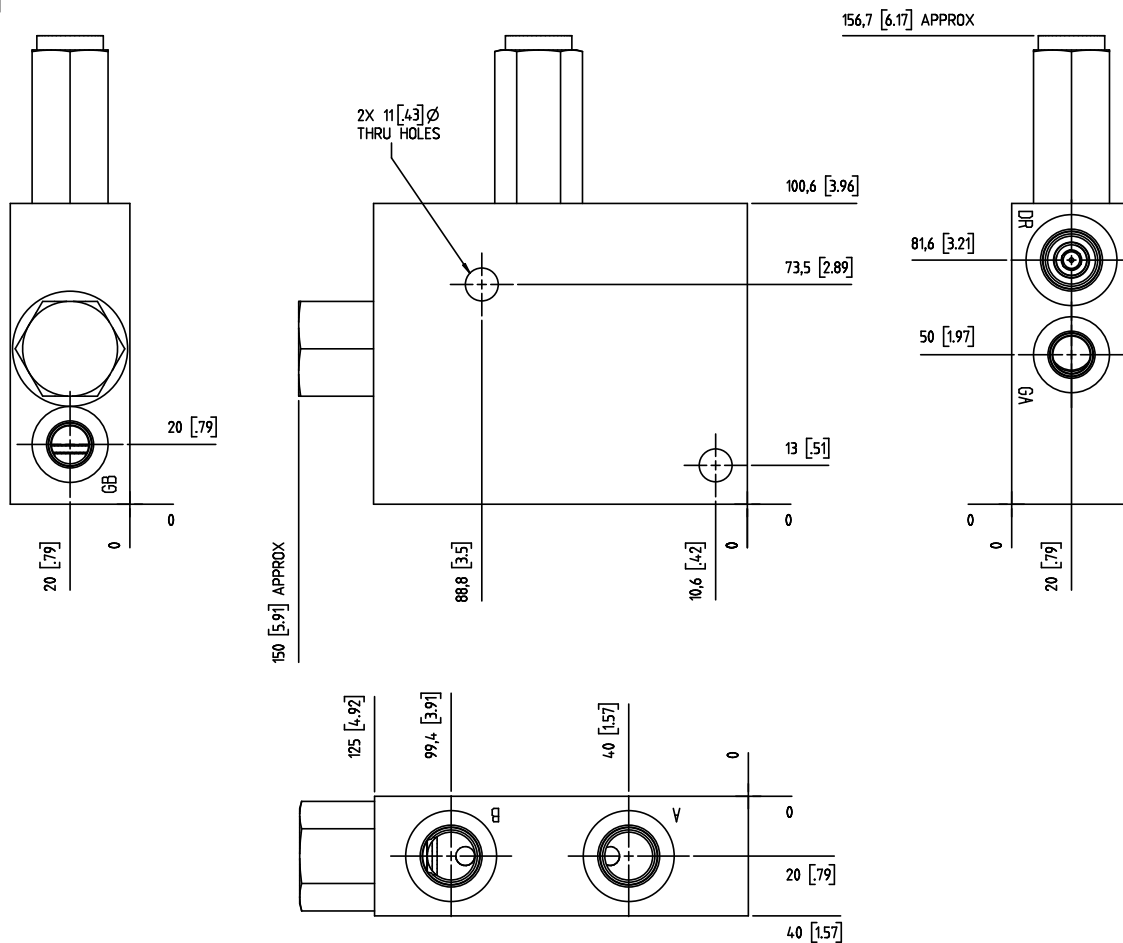


PERFORMANCE CHART



DIMENSIONS

mm [in]



ORDERING INFORMATION

LFB12 - C - 17 - 3.0 - B - S8S

Spool Center

C = Closed
O = Open

Relief Setting

7 = 7 bar [100 psi]
10 = 10 bar [150 psi]
14 = 14 bar [200 psi]
17 = 17 bar [250 psi]
21 = 21 bar [300 psi]
24 = 24 bar [350 psi]
28 = 28 bar [400 psi]

Orifice Option

00 = None
2.5 = $\varnothing$ 2.5mm
3.0 = $\varnothing$ 3.0mm
3.5 = $\varnothing$ 3.5mm
4.0 = $\varnothing$ 4.0mm
4.5 = $\varnothing$ 4.5mm
5.0 = $\varnothing$ 5.0mm

Port Sizes

S8S = 8S SAE [A, B, & DR]
6S SAE [GA & GB]
S4B = 1/2 BSP [A, B, & DR]
1/4 BSP [GA & GB]

Seal Material

B = Buna
V = Viton