FV 200 Series

Proportional Flow Dividers

Proportional Flow Dividers split a single input flow into two output flows, each output being a fixed proportion of the input. For example, a 50/50 flow divider will always split a single input flow into two equal output flows which could be used to operate two motors at equal speeds. The actual rate of flow from each output is not fixed but will vary as the input flow rate varies.

Specifications

Maximum Rated Pressure:	Up to 420 bar, 6000 psi
Maximum Flow Capacity:	76 L/min, 20 US gpm
Porting:	BSPP, UN
Material:	Steel components in cast iron body
Weight:	1.6 kg, 3.5 lb
Mounting:	2 Bolts, M8 or 5/16”

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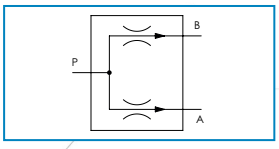
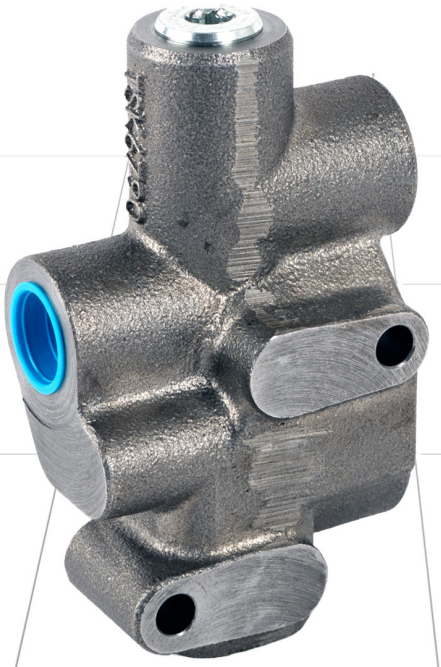
Features

- Pressure compensated to keep each output flow at a fixed percentage of the input flow, regardless of pressure variations between the output ports.
- Standard proportional splits are available (see ordering codes). Other non-standard proportional splits are available upon request. Max split percentage always out of Output port B.
- Four Input flow ranges are available (see ordering codes).

Symbol:





Sales Order Code

Please contact our technical sales team to discuss any special order requirements.

TYPICAL CODE	DESCRIPTION	SEE TABLE	YOUR CODE
FV200	Valve Type	-	FV200
30	Flow Range	Table 1	
2	Output Flow Proportions	Table 2	
H	Porting	Table 3	

Table 1: Flow Range

CODE	RECOMENDED FLOW RANGE	
	L/min	US gpm
15	5 - 15	1.3 - 4.0
30	10 - 30	2.6 - 7.8
50	20 - 50	5.3 - 13.2
70	40 - 76	10.6 - 20

Table 2: Flow Rates

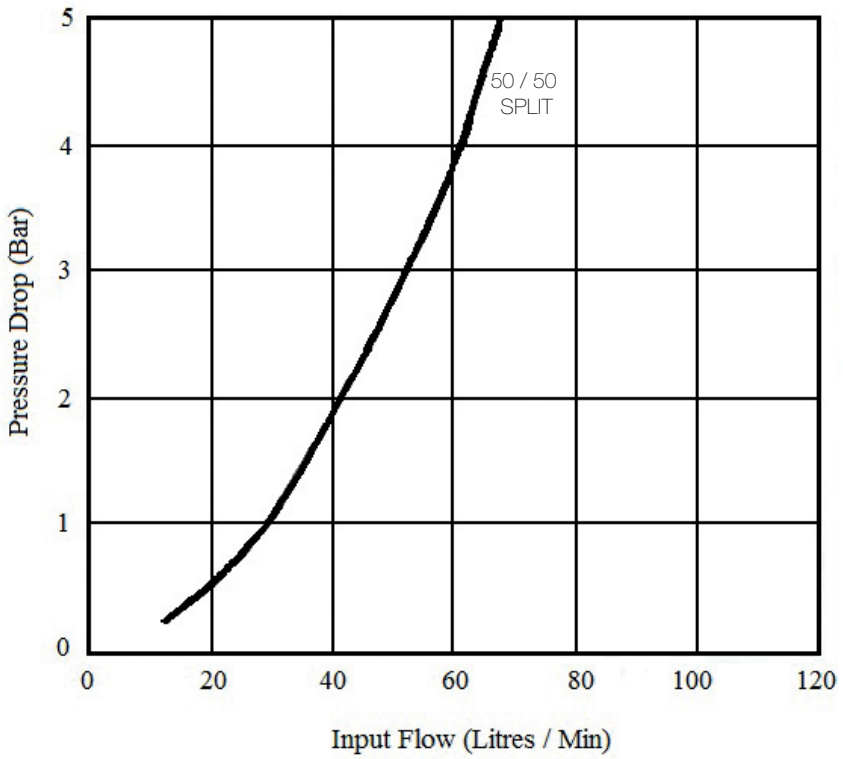
CODE	A / B RATIO %
2	50 / 50
3	40 / 60
4	30 / 70
8	20 / 80
9	10 / 90
A - Z	Other ratios available for special order

Table 3: Relief Valve

CODE	INLET PORT	OUTLET PORT
H	1/2” BSPP	3/8” BSPP
I	3/4” UNF	3/4” UNF

Typical Pressure Drop

All tests completed using ISO32 Mineral oil at 49 degrees C (27.4 cSt)



Installation Details Dimensions in mm [inches]