

# FV 200 Series

## Proportional Flow Dividers



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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 Pressure:**

Up to 420 bar, 6000 psi (FV200)  
Up to 250 bar, 3600 psi (FV201)

**Total Flow Capacity:**

76 lpm

**Porting:**

See Table 3, ordering codes

**Materials:**

Steel components in cast iron body

**Weight:**

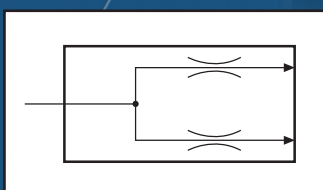
1.60 kg (FV200)  
2.10 kg (FV201)

**Mounting:**

Two bolt - M8 or 5/16"



### Symbol



### 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)

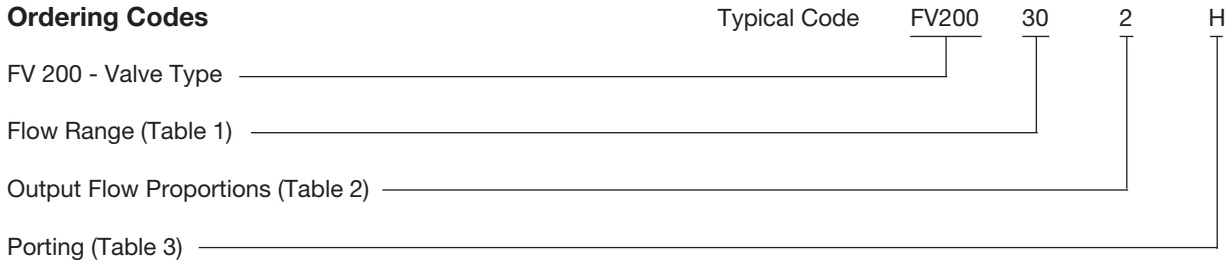


Hydraulic measurement and control

FV200-BU-ENG-3263.pdf  
(Issue 3)

06/18

### Ordering Codes



**Table 1: Flow Range**

Code	Recommended Flow Range
15	5 - 15 lpm
30	10 - 30 lpm
50	20 - 50 lpm
70	40 - 76 lpm

**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

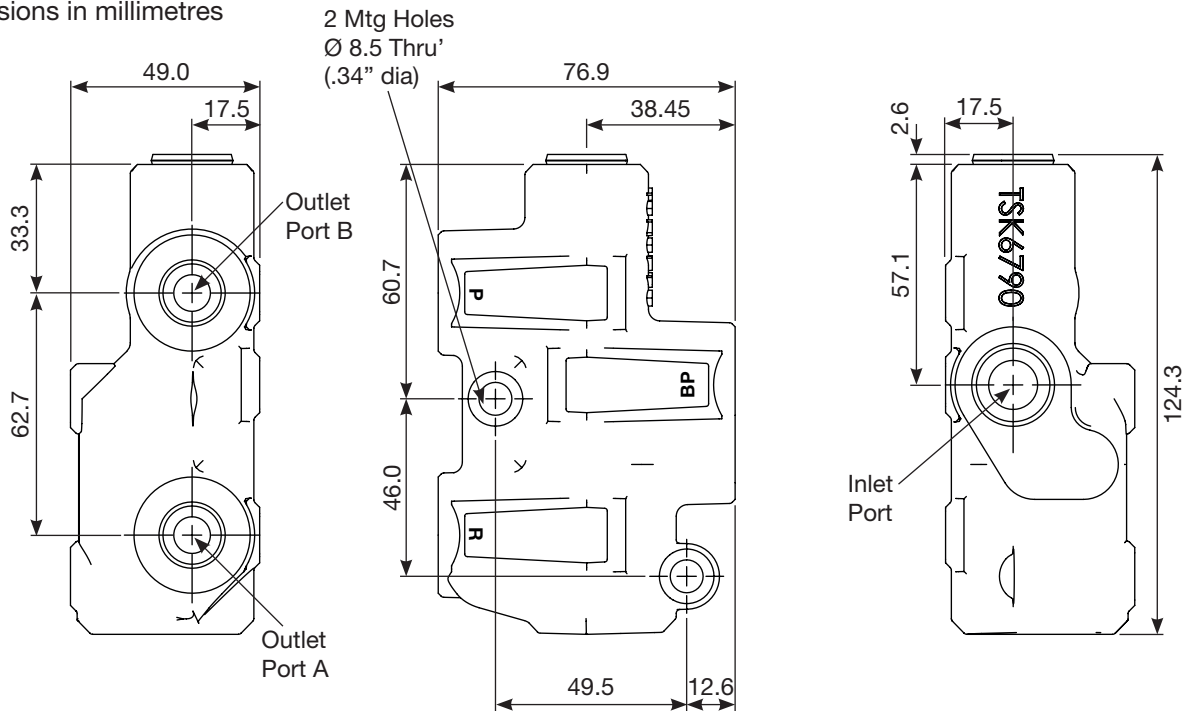
**Table 3: Porting\***

Code	Inlet Port	Outlet Port
H	1/2" BSPP	3/8" BSPP
I	3/4" UNF	3/4" UNF

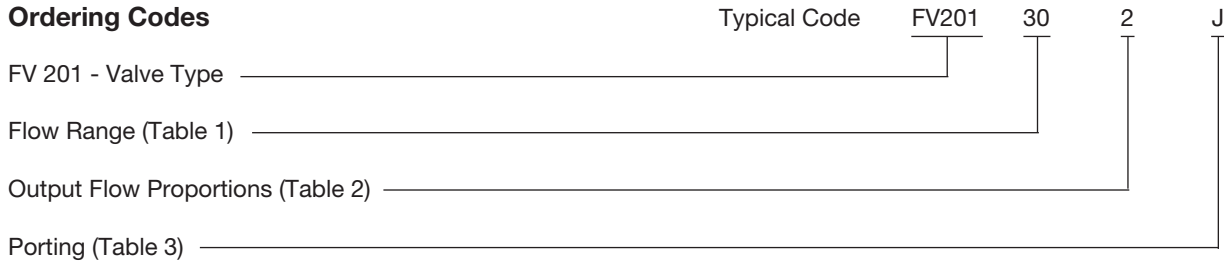
\* Other threads are available to special order

### Installation Details:

Dimensions in millimetres



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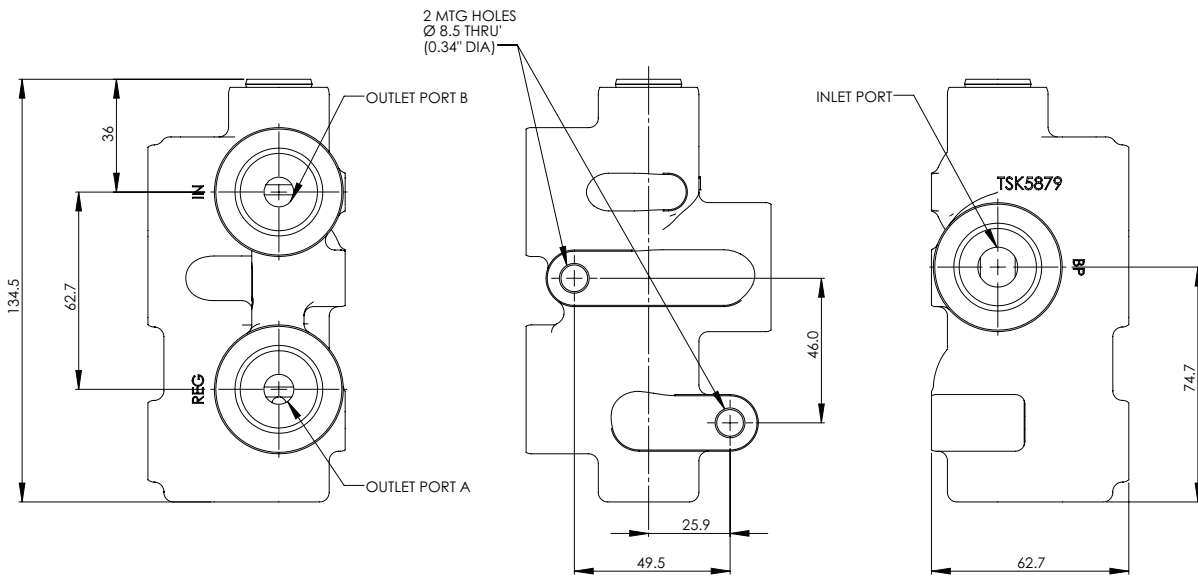
**Table 3: Porting\***

Code	Inlet Port	Outlet Port
J	3/4" BSPP	3/4" BSPP

\* Other threads are available to special order

### Installation Details:

Dimensions in millimetres



### Typical pressure drop FV200 Series

(50/50 split) Curve obtained using hydraulic mineral oil with a viscosity of 27.4 cSt at 48°C

