

Description

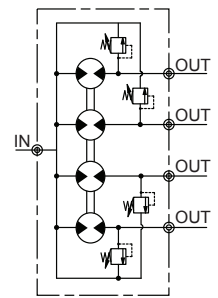
These equal flow 2 and 4 section flow divider/combiners are assembled with identical, individual sections coupled together to divide a flow from a common pump source into 2 or 4 flows. Each set of gear and shaft assemblies are individually supported in needle bearings. Each section comes with a differential relief valve relieving from output to input which allows a "lagging" cylinder to catch up quickly to end a stroke.

Features

- High strength permanent mould cast iron housing
- Quiet operation
- O-ring seals between sections

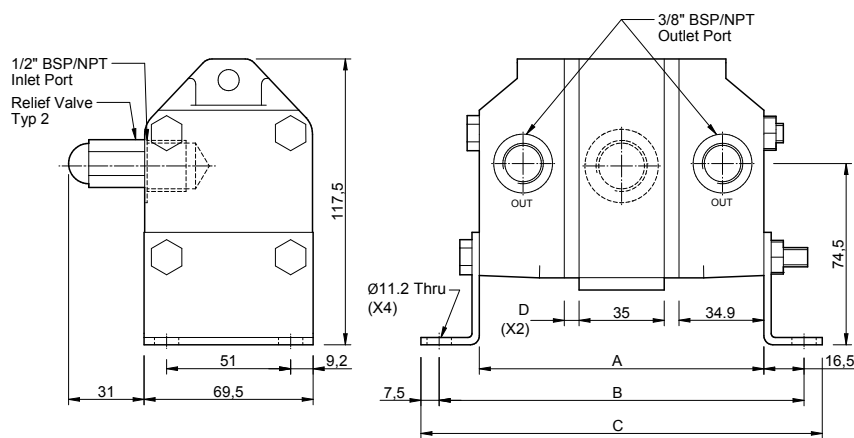
Note - For information and application suggestions refer to "Rotary Geared Flow Divider/Combiner - P Series General Guide".

Symbol

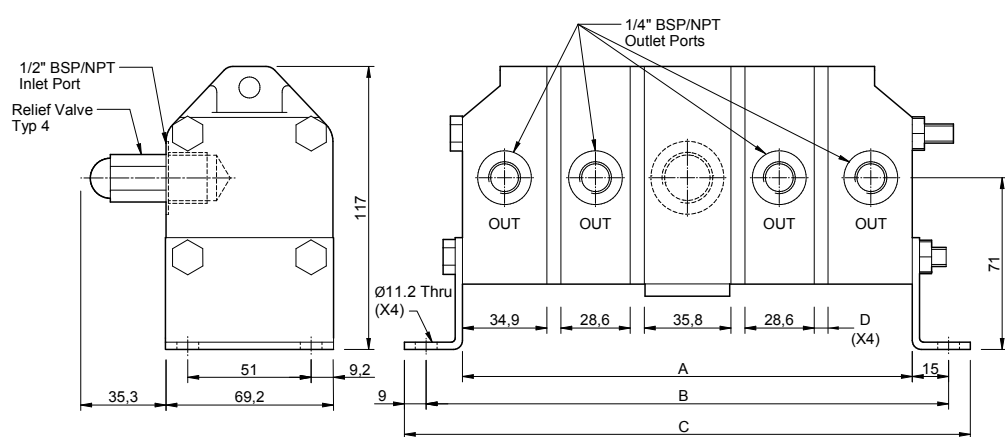


Dimensions

FD-PM2RV (1.8 cc/rev.)
FD-PM6RV (5.2 cc/rev.)
 No. of sections: 2



FD-PPM2RV (1.8 cc/rev.)
 No. of sections: 4



Specifications

Model Code	No. of sections	Max. total inlet lpm	Disp. per section cc/rev	Slip† lpm per 10 bar	Max. pressure intermittent bar	Max. pressure continuous bar	Max. diff. between sections bar	Bolt torque Std./S type Nm	Dim. A mm	Dim. B mm	Dim. C mm	Dim. D mm	Weight kg
FD-PM2RV	2	13	1.8	0.14	175 / 320 ‡	140 / 210 ‡	105 / 110 ‡	18 / 36	117	150	168	5.8	4.5
FD-PM6RV		37	5.2	0.20	140 / 320 ‡	105 / 210 ‡	70 / 110 ‡		160	168	197	10.2	
FD-PPM2RV	4	27	1.8	0.14				33 / 67	186	216	230	13.5	7.5

† Values shown are single section only.

‡ To achieve these high pressures we can fit high tensile bolts. This is denoted by “-S” after the part number

Relief Valve Settings

Standard setting on relief valves is 52 bar differential between outlet and inlet pressure (these relief valves do not give system relief). Maximum total inlet flow (lpm) is based on 3500 rpm. For a quieter operation, limit speed to between 1500 and 2500 rpm.

Ordering Example

