

Technical Information

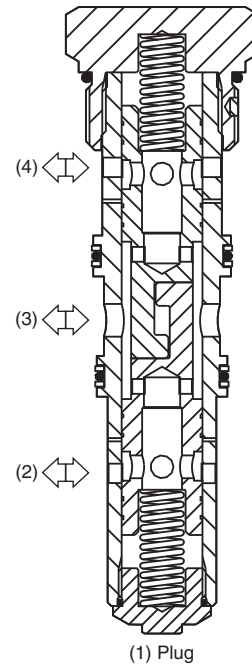
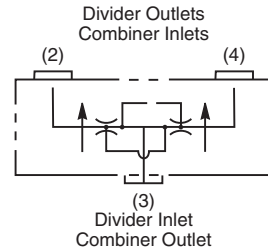
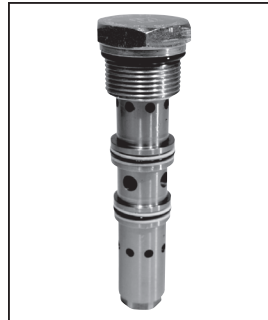
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

General Description

Spool Type, Flow Divider/Combiner Valve. For additional information see Technical Tips on pages FC1-FC4.

Features

- Interlocking spools for equal control dividing or combining
- Range of flow settings available for optimising control
- Pressure compensated control in both directions
- 50/50 ratio standard, other ratios available on request
- Commonly used for differential lock in transmission applications
- Hardened working parts for maximum durability
- All external parts zinc plated

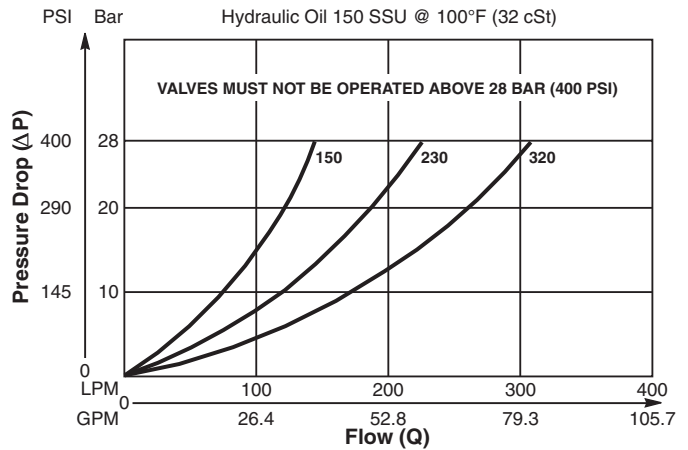


Specifications

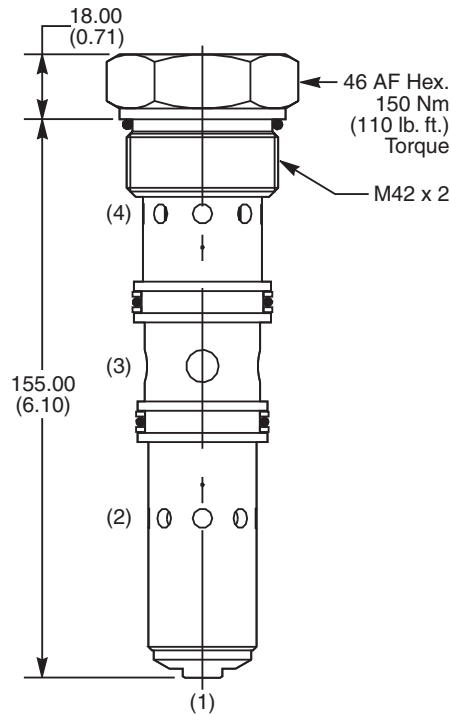
Rated Flow	320 LPM (85 GPM)
Maximum Inlet Pressure	350 Bar (5000 PSI)
Flow Rating and Ratio	See Ordering Information
Accuracy Per Leg	± 10%
Cartridge Material	Steel operating parts, hardened steel poppet.
Operating Temp. Range/Seals	-34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	1.0 kg (2.2 lbs.)
Cavity	91-1 (See BC Section for more details)
Form Tool	Rougher Finisher

Performance Curve

Pressure Drop vs. Flow (Through cartridge only)



Dimensions Millimeters (Inches)



Ordering Information

L1A300	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow Divider/ Combiner Valve	Flow Rating	Dividing/ Combiner Ratio	Seals

Code	Flow Rating
150	60-150 LPM (15.9-39.7 GPM)
230	75-230 LPM (19.8-60.8 GPM)
320	110-320 LPM (29.1-84.7 GPM)

Code	Seals / Kit. No.
N	Nitrile, Buna-N (Std.)/ (SK30050N-1)
V	Fluorocarbon / (SK30050V-1)

Code	Dividing/Combiner Ratio
5050	50 : 50 Ratio

Other ratios available on request.

Order Bodies Separately

LB10	<input type="checkbox"/>	<input type="checkbox"/>
Line Body	Porting	Body Material

Code	Porting
157	2 x 1" SAE 1 x 1-1/2" SAE

Code	Body Material
A	Aluminum
S	Steel

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