

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

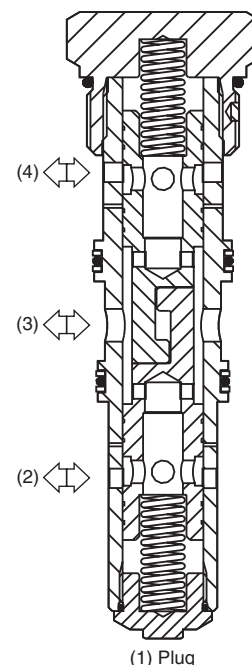
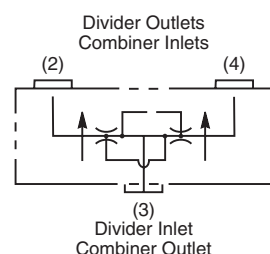
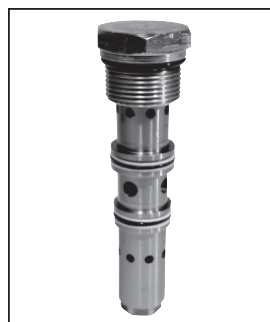
Spool Type, Flow Divider/Combiner Valve. For additional information see Technical Tips on pages FC1-FC4.

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

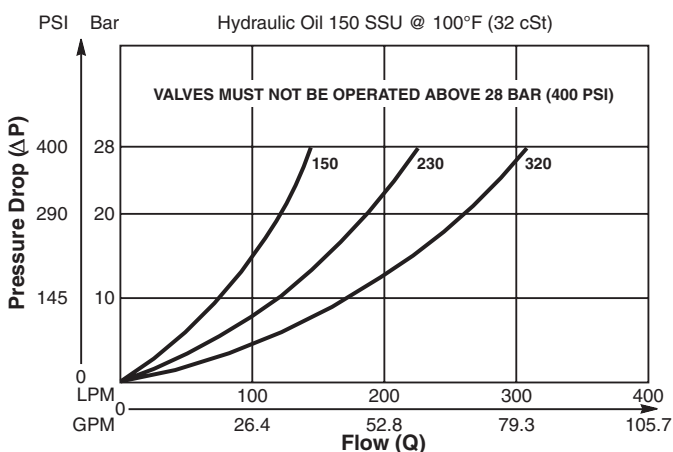
Specifications

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	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO Code 16/13, SAE Class 4 or better
Approx. Weight	1.0 kg (2.2 lbs.)
Cavity	91-1 (See BC Section for more details)
Form Tool	Rougher Finisher

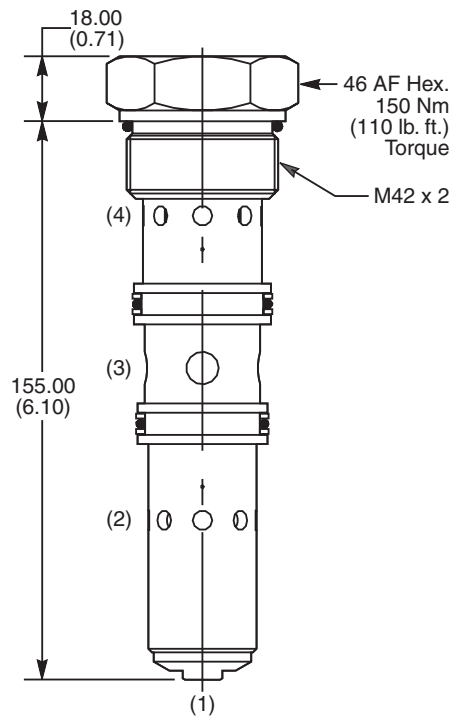


Performance Curve

Pressure Drop vs. Flow (Through cartridge only)



Dimensions Millimeters (Inches)



Ordering Information

L1A300

Flow Divider/
Combiner Valve

Flow
Rating

Dividing/
Combining
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/Combining Ratio
5050	50 : 50 Ratio

Other ratios available on request.

LB10

Line Body

Porting

Body
Material

Code	Porting
156	2 x 1" BSP 1 x 1-1/2" BSP
157	2 x 1" SAE 1 x 1-1/2" SAE

Code	Body Material
A	Aluminum
S	Steel

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