

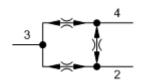
MODEL FSDS

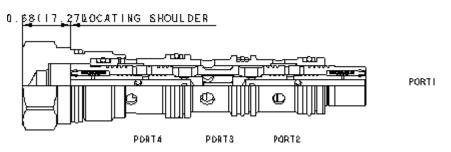
Synchronizing, flow divider-combiner valve

CAPACITY: 3 - 15 gpm / CAVITY: T-32A



sunhydraulics.com/model/FSDS





Synchronizing flow divider/combiners are sliding-spool, pressure-compensated devices used to split flow in one direction and combine flow in the opposite direction. With a sychronizing feature, these valves can be used to allow two hydraulic cylinders to fully stroke and synchronize at the end of the stroke. When the first cylinder has reached the end of its stroke, a pressure-compensated, reduced flow is metered to or from the second cylinder until it also reaches the end of its stroke.

## **TECHNICAL DATA** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

| Maximum Operating Pressure                | 5000 psi                  |
|---|---------------------------|
| Divisional Accuracy at Max Input Flow     | 50% ±2.5%                 |
| Divisional Accuracy at Minimum Input Flow | 50% ±4.5%                 |
| Pressure Drop at Maximum Rated Input Flow | 350 psi                   |
| Pressure Drop at Minimum Rated Input Flow | 30 psi                    |
| Seal kit - Cartridge                      | Buna: 990-032-007         |
| Seal kit - Cartridge                      | Polyurethane: 990-032-002 |
| Seal kit - Cartridge                      | Viton: 990-032-006        |

CONFIGURATION OPTIONS CONTROL

**Model Code Example: FSDSXAN** 

FLOW SPLIT (A) SEAL MATERIAL (N) MATERIAL/COATING

X Not Adjustable

(X)

 A
 50/50
 N
 Buna-N

 V
 Viton

Standard Material/Coating

/AP Stainless Steel, Passivated

/LH Mild Steel, Zinc-Nickel

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