



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 synchronizing 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 | 350 bar |
| Divisional Accuracy at Minimum Input Flow | 50% ±4.5% |
| Divisional Accuracy at Max Input Flow | 50% ±2.5% |
| Pressure Drop at Minimum Rated Input Flow | 2 bar |
| Pressure Drop at Maximum Rated Input Flow | 24 bar |
| Seal kit - Cartridge | Buna: 990032007 |
| Seal kit - Cartridge | Polyurethane: 990032002 |
| Seal kit - Cartridge | Viton: 990032006 |

CONFIGURATION OPTIONS

Model Code Example: FSDSXAN

| CONTROL | (X) FLOW SPLIT | (A) SEAL MATERIAL | (N) MATERIAL/COATING |
|------------------|----------------|---------------------|---|
| X Not Adjustable | A 50/50 | N Buna-N V Viton | Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel |