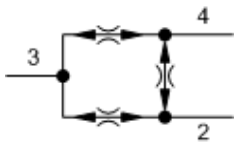
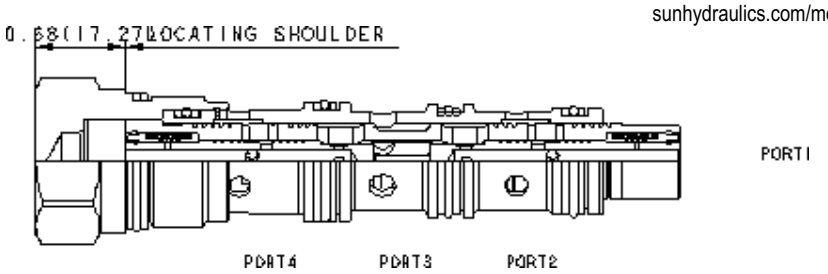
MODEL
FSDS

Synchronizing, flow divider-combiner valve
SERIES 2 / CAPACITY: 12 - 60 L/min. / CAVITY: T-32A

sunhydraulics.com/model/FSDS





CONFIGURATION

X	Control	Not Adjustable
A	Flow Split	50/50
N	Seal Material	Buna-N
(none)	Material/Coating	

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	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	Standard Material/Coating
		V Viton	**/AP** Stainless Steel, Passivated
			/LH Mild Steel, Zinc-Nickel

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