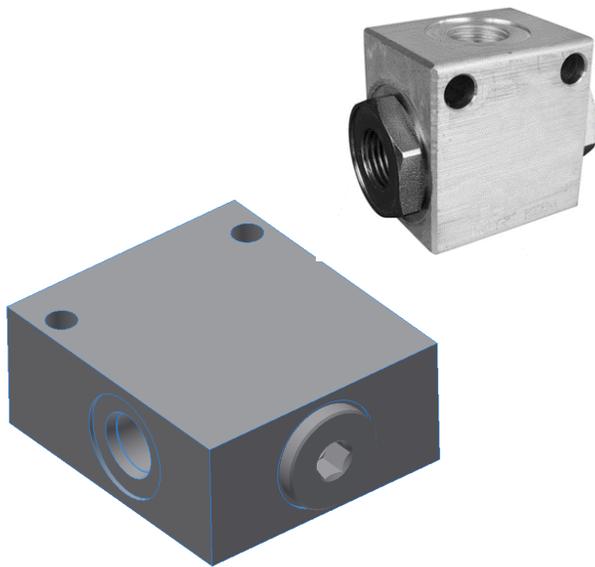# Compu-Spread
Shuttle Valves CS-SV

Rexroth CS-SV shuttle valves can be used as pilot signal load sense elements or to provide hydraulic fluid to a device from two pressure sources. The inherently reliable single ball shuttle delivers the highest of the 2 pressures to the common port. The single ball allows for the decay of the pressure signal when both work ports drop to a lower pressure level.

The CS-SV assembly uses the Rexroth SELB cartridge in a housing. The compact VFC is a parts-in-body design.
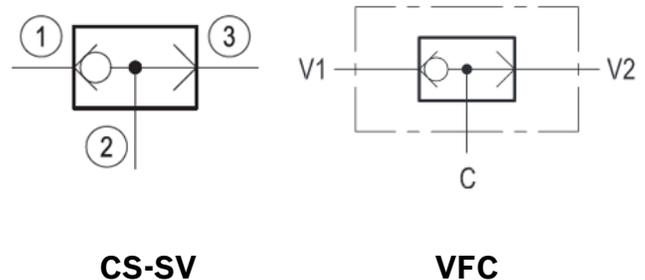
EFFECTIVE LOGIC DEVICE

Shuttle valves are commonly used in hydraulic circuits to provide a load signal to a pilot device.
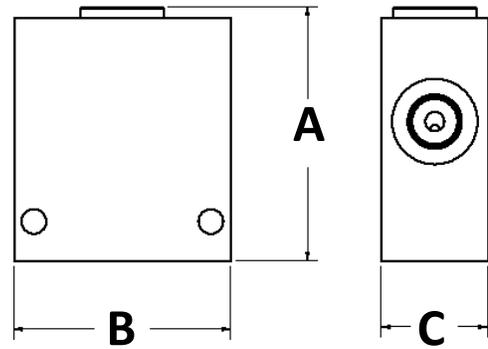
FEATURES

Simple and reliable

Compact and lightweight

3,000 and 5,000 psi versions

SCHEMATIC

CS-SV

VFC

OVERALL DIMENSIONS—INCHES (MM)

Material #	A	B	C
R930002703	2 (50)	1.6 (40)	1.2 (30)
R987486110	2.9 (73)	2.4 (62)	1.2 (30)

All dimensions are approximate, intended for illustrative purposes only. Certified drawings are available upon request.

ORDERING INFORMATION

Material #	Model Code	Q USGPM (l/min)	Pressure (bar)	Porting	Housing Material
R930002703*	VFC-NC-382B	13 (50)	3000 psi (210)	#06 SAE (9/16-18 UNF)	aluminum
R987486110	CS-SV-08-1X/345-06UNF	2.5 (10)	5000 psi (345)	#06 SAE (9/16-18 UNF)	ductile iron

* denotes C-S standard, replaces R987379496