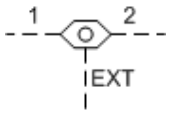
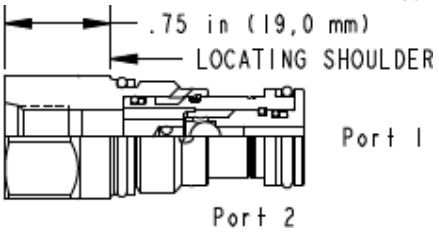
MODEL
CSAA

Single ball shuttle valve with signal external
SERIES 1 / CAPACITY: 10 L/min. / CAVITY: T-13A

sunhydraulics.com/model/CSAA





CONFIGURATION

E	Control	External 4-SAE Port
X	Adjustment Range	-
N	Seal Material	Buna-N
(none)	Material/Coating	

The single ball shuttle connects the higher of two work ports to the signal or common port. The signal is sensed at an external port located in the hex-end of the cartridge.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-13A
Series	1
Capacity	10 L/min.
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,3 cc/min.
Valve Hex Size	22,2 mm
Valve Installation Torque	41 - 47 Nm
Seal kit - Cartridge	Buna: 990010007
Seal kit - Cartridge	Polyurethane: 990010002
Seal kit - Cartridge	Viton: 990010006
Model Weight	0.10 kg.

CONFIGURATION OPTIONS

Model Code Example: CSAAEXN

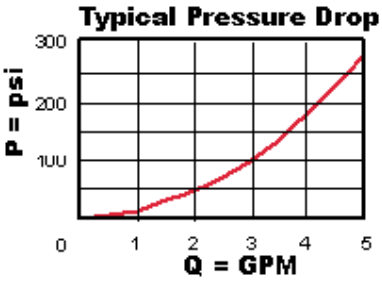
CONTROL (E)	ADJUSTMENT RANGE (X)	SEAL MATERIAL (N)	MATERIAL/COATING
E External 4-SAE Port	**X** -	**N** Buna-N	Standard Material/Coating
B External 1/4 BSPP Port		**E** EPDM	**/AP** Stainless Steel, Passivated
		V Viton	**/LH** Mild Steel, Zinc-Nickel

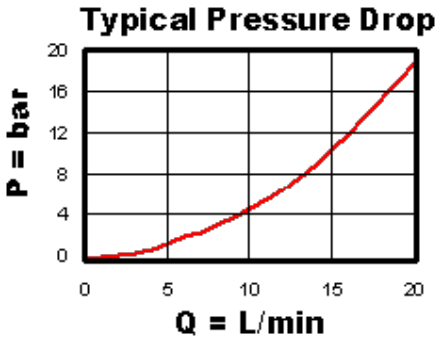
TECHNICAL FEATURES

- Shuttle cartridges feature hardened steel balls and seats for excellent wear characteristics and contamination tolerance.
- The single ball allows for the decay of the pressure signal when both load ports drop to a lower pressure.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES

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