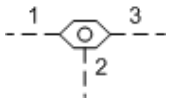
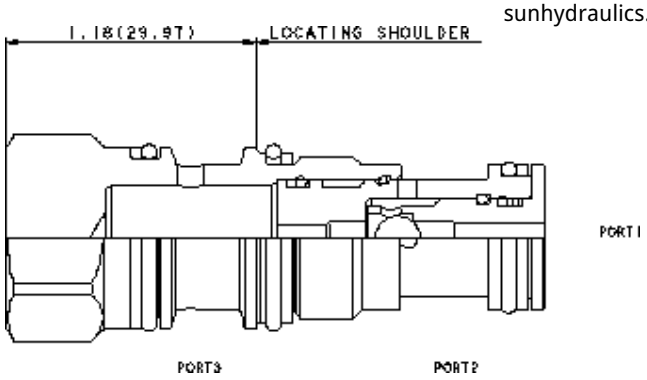
MODEL
CSAD

Single ball shuttle valve with signal at port 2
SERIES 1 / CAPACITY: 10 L/min. / CAVITY: T-11A

sunhydraulics.com/model/CSAD





CONFIGURATION

X	Control	Not Adjustable
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 port 2.

TECHNICAL DATA

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

Cavity	T-11A
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: 990011007
Seal kit - Cartridge	EPDM: 990011014
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006
Model Weight	0.11 kg.

CONFIGURATION OPTIONS

Model Code Example: CSADXXN

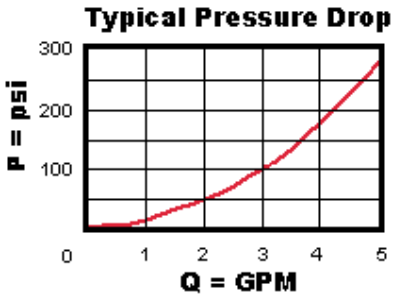
CONTROL (X)	ADJUSTMENT RANGE (X)	SEAL MATERIAL (N)	MATERIAL/COATING
X Not Adjustable	**X** -	**N** Buna-N	Standard Material/Coating
A Auxiliary External -4 SAE Port		**E** EPDM	**/AP** Stainless Steel, Passivated
B Auxiliary External 1/4 BSPP Port		**V** Viton	**/LH** Mild Steel, Zinc-Nickel

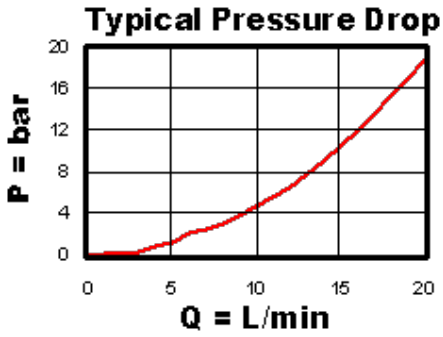
TECHNICAL FEATURES

- 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.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- 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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