



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
<b>X</b> Not Adjustable	<b>X</b> -	<b>N</b> Buna-N	Standard Material/Coating
<b>A</b> Auxiliary External -4 SAE Port		<b>E</b> EPDM	/AP Stainless Steel, Passivated
<b>B</b> Auxiliary External 1/4 BSPP Port		<b>V</b> 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**

