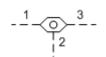
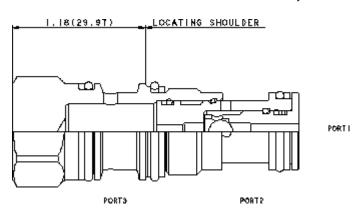




sunhydraulics.com/model/CSAD



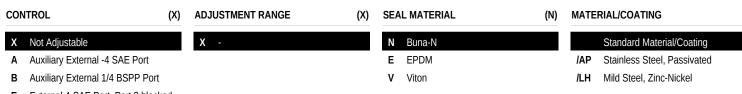


The single ball shuttle connects the higher of two work ports to the signal or common port. The signal is sensed at port 2.

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

| Cavity                                    | T-11A                     |
|---|---------------------------|
| Series                                    | 1                         |
| Capacity                                  | 2.5 gpm                   |
| Maximum Operating Pressure                | 5000 psi                  |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 5 drops/min.              |
| Valve Hex Size                            | 7/8 in.                   |
| Valve Installation Torque                 | 30 - 35 lbf ft            |
| Model Weight                              | 0.25 lb.                  |
| Seal kit - Cartridge                      | Buna: 990-011-007         |
| Seal kit - Cartridge                      | EPDM: 990-011-014         |
| Seal kit - Cartridge                      | Polyurethane: 990-011-002 |
| Seal kit - Cartridge                      | Viton: 990-011-006        |

## **OPTION SELECTION EXAMPLE: CSADXXN**



E External 4-SAE Port, Port 3 blocked

## **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

