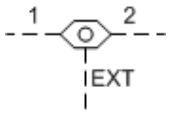
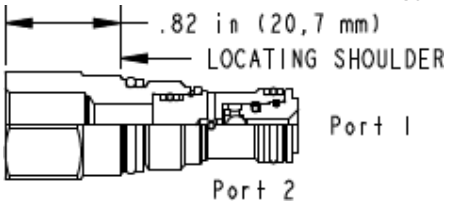
MODEL
CSAW

Single ball shuttle valve with signal external
CAPACITY: 4,7 L/min. / CAVITY: T-162A

sunhydraulics.com/model/CSAW




## CONFIGURATION

| | | |
|---|---|---|
| **B** | Control | External 1/4 BSPP 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-162A |
| Series | 0 |
| Capacity | 4,7 L/min. |
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,3 cc/min. |
| Valve Hex Size | 19,1 mm |
| Valve Installation Torque | 27 - 33 Nm |
| Seal kit - Cartridge | Buna: 990162007 |
| Seal kit - Cartridge | Polyurethane: 990162002 |
| Seal kit - Cartridge | Viton: 990162006 |
| Model Weight | 0.06 kg. |

## CONFIGURATION OPTIONS

**Model Code Example: CSAWBXN**

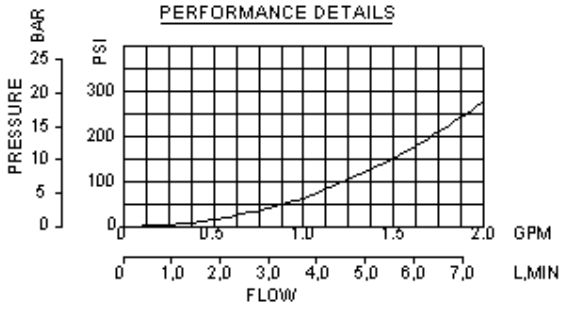
| CONTROL (B) | ADJUSTMENT RANGE (X) | SEAL MATERIAL (N) | MATERIAL/COATING |
|---|---|---|---|
| **B** External 1/4 BSPP Port | **X** - | **N** Buna-N | Standard Material/Coating |
| **E** External 4-SAE Port | | **V** Viton | **/AP** Stainless Steel, Passivated |

## 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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