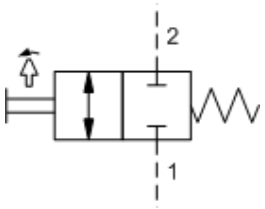
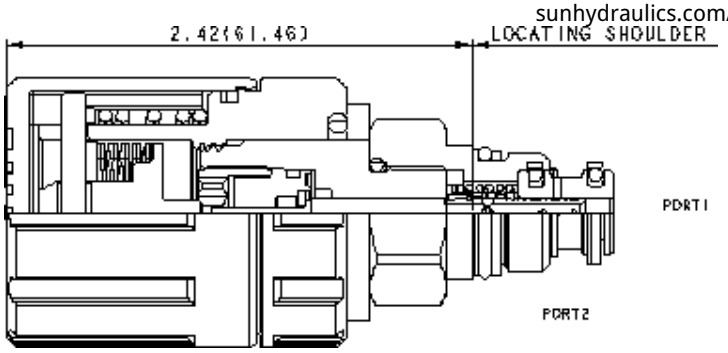
MODEL
# DAAM

2-way, manually operated, spool directional valve - pilot capacity
**SERIES P / CAPACITY: 1 L/min. / CAVITY: T-8A**

sunhydraulics.com/model/DAAM




T-Control, C-Spool




## CONFIGURATION

| | | |
|---|---|---|
| **T** | Control | Twist (Momentary) Manual Override |
| **C** | Spool Configuration | Normally Closed |
| **N** | Seal Material | Buna-N |

These pilot-stage, directional, 2-position, 2-way valves are manually operated cartridges and are available in either a normally open or normally closed configuration. These cartridges are designed for pilot flow applications and utilize Sun's T-8A cavity so they can be used in conjunction with Sun's pilot-operated, main-stage valves. Manual operation is achieved via Sun's Twist/Lock manual override mechanism and is designed for intermittent (infrequent) use only.

## TECHNICAL DATA

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

| | |
|---|---|
| Cavity | T-8A |
| Series | P |
| Capacity | 1 L/min. |
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,7 cc/min.@350 bar |
| Operating Torque | 1,2 Nm |
| Valve Hex Size | 22,2 mm |
| Valve Installation Torque | 27 - 33 Nm |
| Seal kit - Cartridge | Buna: 990108007 |
| Seal kit - Cartridge | Viton: 990108006 |
| Model Weight | 0.18 kg. |

## CONFIGURATION OPTIONS

**Model Code Example: DAAMArray**

**CONTROL (T)**

- **T** Twist (Momentary) Manual Override
- **D** Twist/Lock (Dual) Manual Override
- **L** Twist/Lock (Detent) Manual Override

**SPOOL CONFIGURATION (C)**

- **C** Normally Closed
- **H** Normally Open

**SEAL MATERIAL (N)**

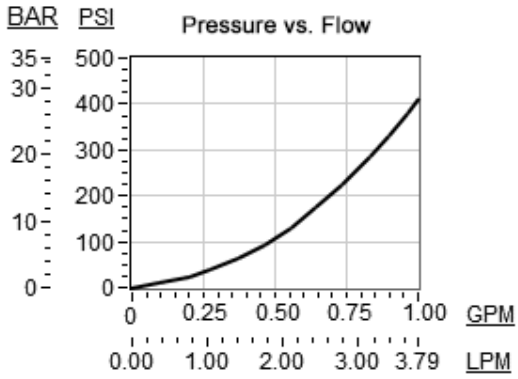
- **N** Buna-N
- **V** Viton

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## TECHNICAL FEATURES

- This valve is designed for intermittent use such as a manual override. The manual control assembly has a mechanical life expectancy of about 10,000 cycles.
- The manual control assembly can be easily replaced in the field without removing the cartridge from the manifold or main stage element.
- The momentary/twist control option "T" allows the operator to momentarily shift the valve by twisting the knob clockwise and releasing. Once released, the valve returns to its normal position.
- The detent/lock control option "L" allows the operator to shift the valve into a mechanically detented position by twisting the knob counter-clockwise. This detented position will be maintained until the operator twists the knob clockwise and allows the valve to return to its normal position.
- The dual-operation control option "D" allows the operator to either shift the valve momentarily by twisting the knob clockwise or shift it into a mechanically detented postion by twisting counter-clockwise.
- The control on this valve is meant to be operated by a person's hand. The control should not be modified, for instance fastening a lever to the knob. Under no circumstances should the control be operated by other mechanical devices.
- Utilizes the Sun T-8A 2-port cavity making it the ideal choice to use in conjunction with Sun's main stage pilot or vent-to-operate cartridges. Separate pilot lines are eliminated and only one cavity needs to be machined to accommodate both the control and primary function. Note: All 2-position, 2-way pilot stage control cartridges utilize the same cavity and are physically interchangeable. Functionality is the only consideration.
- The preferred flow path through the valve is port 2 to port 1.
- 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.
- Note: The main stage valve should first be installed to the correct torque value followed by the T-8A pilot control section into the main stage valve to its required torque value.

## PERFORMANCE CURVES




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