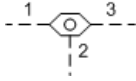


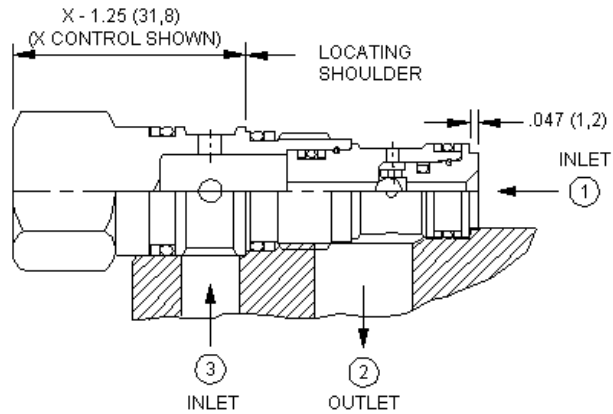
MODEL
CSAZ

Single ball shuttle valve with signal at port 2
CAPACITY: 4,7 L/min. | CAVITY: T-163A



CONFIGURATION

X	Control	Not Adjustable
X	Adjustment Range	-
N	Seal Material	Buna-N
(none)	Material/Coating	Standard Material/Coating



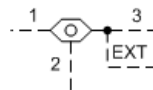
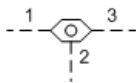
in. (mm)

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

Cavity	T-163A
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 - 34 Nm
Seal kit - Cartridge	Buna: 990-163-007
Seal kit - Cartridge	Polyurethane: 990-163-002
Seal kit - Cartridge	Viton: 990-163-006
Model Weight	0.08 kg.

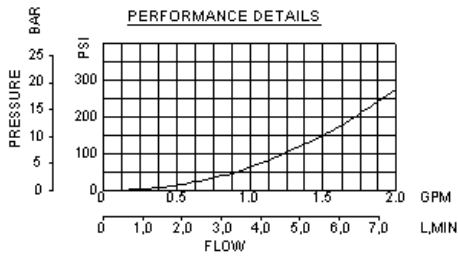
SYMBOLS



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



CONFIGURATION OPTIONS

CONTROL

Standard Options X Not Adjustable

ADJUSTMENT RANGE

Standard Options X -

SEAL MATERIAL

Standard Options N Buna-N
 V Viton

MATERIAL/COATING

Standard Options /AP Standard Material/Coating
 /AP Stainless Steel, Passivated
 /LH Mild Steel, Zinc-Nickel

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