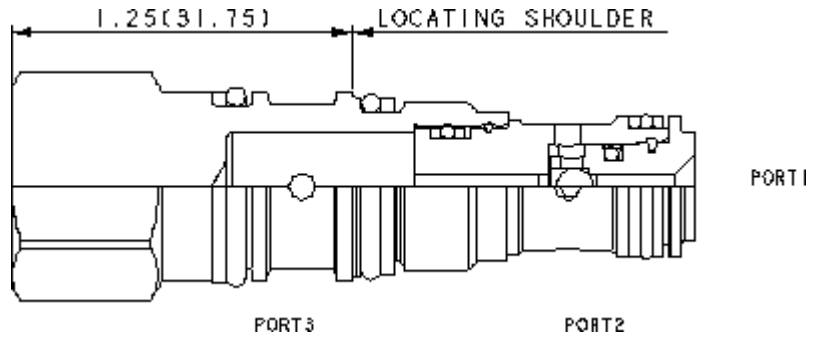


### CONFIGURATION

X	Control	Not Adjustable
X	Adjustment Range	-
N	Seal Material	Buna-N
	Material/Coating	



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-163A
Series	0
Capacity	1.25 gpm
Maximum Operating Pressure	5000 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	5 drops/min.
Valve Hex Size	3/4 in.
Valve Installation Torque	20 - 25 lbf ft
Model Weight	0.19 lb.
Seal kit - Cartridge	Buna: 990-163-007
Seal kit - Cartridge	Polyurethane: 990-163-002
Seal kit - Cartridge	Viton: 990-163-006

## OPTION SELECTION EXAMPLE: CSAZXXN

CONTROL	(X)	ADJUSTMENT RANGE	(X)	SEAL MATERIAL	(N)	MATERIAL/COATING	(/LH)
<b>X</b> Not Adjustable		<b>X</b> -		<b>N</b> Buna-N		<b>/LH</b> Mild Steel, Zinc-Nickel	
<b>B</b> External 1/4 BSPP Port				<b>V</b> Viton		<b>/AP</b> Stainless Steel, Passivated	
<b>E</b> External 4-SAE Port						Standard Material/Coating	

### 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

