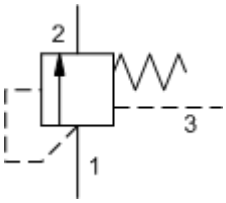
MODEL

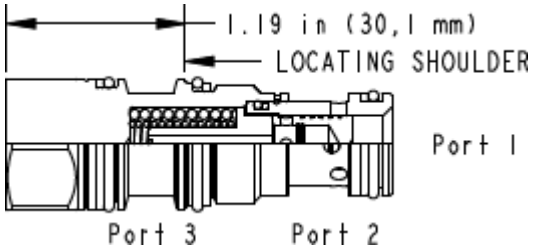
LRDC

Normally closed, modulating element

CAPACITY: 15 gpm / CAVITY: T-11A

sunhydraulics.com/model/LRDC





CONFIGURATION

X	Control	Not Adjustable
H	Differential Pressure	200 psi (14 bar)
N	Seal Material	Buna-N
	Material/Coating	

Normally closed modulating elements without an internal orifice act as a bypass compensator to maintain a constant pressure drop across an orifice, regardless of variations in upstream or downstream pressure.

TECHNICAL DATA

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

Cavity	T-11A
Series	1
Capacity	15 gpm
Maximum Operating Pressure	5000 psi
Valve Hex Size	7/8 in.
Valve Installation Torque	30 - 35 lbf ft
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: LRDCXHN

CONTROL	(X)
X	Not Adjustable

DIFFERENTIAL PRESSURE	(H)
H	200 psi (14 bar)
C	30 psi (2 bar)
D	50 psi (3,5 bar)
F	100 psi (7 bar)
G	150 psi (10,5 bar)

SEAL MATERIAL	(N)
N	Buna-N
E	EPDM
V	Viton

MATERIAL/COATING	(/LH)
/LH	Mild Steel, Zinc-Nickel
/AP	Stainless Steel, Passivated
	Standard Material/Coating

TECHNICAL FEATURES

- 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.
- A tuning adjustment (models configured with an L control) is available to vary the pressure drop across the compensator to increase/decrease flow within +/-25% of setting.
- All ports will accept 5000 psi (350 bar).
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP for external stainless steel components, or /LH for external zinc-nickel plated components. See the CONFIGURATION section for all options. For further details, please see the Materials of Construction page located under TECH RESOURCES.
- 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.