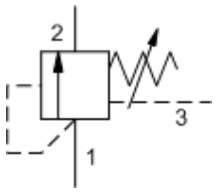
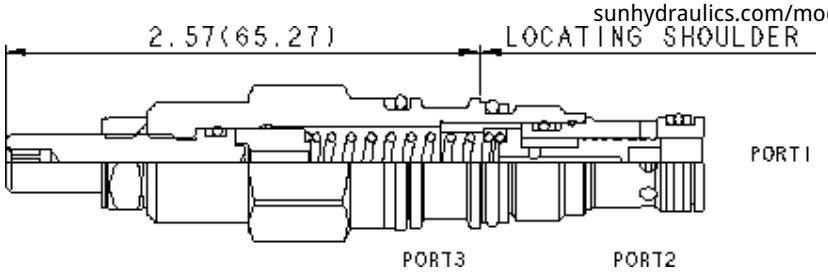
MODEL
LRBC

Normally closed, modulating element
CAPACITY: 30 L/min. / CAVITY: T-163A

sunhydraulics.com/model/LRBC





CONFIGURATION

L	Control	Tuning Adjustment
D	Differential Pressure	50 psi (3,5 bar)
N	Seal Material	Buna-N
(none)	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-163A
Series	0
Capacity	30 L/min.
Maximum Operating Pressure	350 bar
Valve Hex Size	19,1 mm
Valve Installation Torque	27 - 33 Nm
Seal kit - Cartridge	Buna: 990163007
Seal kit - Cartridge	Polyurethane: 990163002
Seal kit - Cartridge	Viton: 990163006
Model Weight	0.11 kg.

CONFIGURATION OPTIONS

Model Code Example: LRBCArray

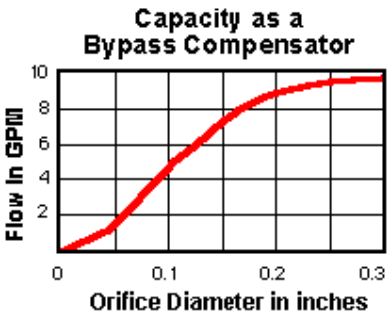
CONTROL (L)	DIFFERENTIAL PRESSURE (D)	SEAL MATERIAL (N)	MATERIAL/COATING
L Tuning Adjustment	**D** 50 psi (3,5 bar)	**N** Buna-N	Standard Material/Coating
X Not Adjustable	**F** 100 psi (7 bar)	**E** EPDM	**/AP** Stainless Steel, Passivated
	H 200 psi (14 bar)	**V** Viton	

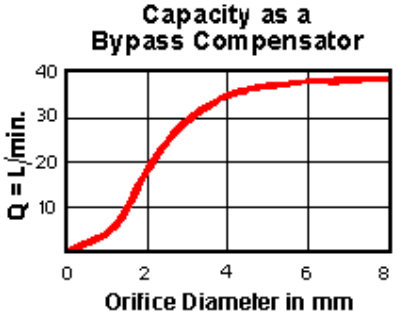
TECHNICAL FEATURES

- 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).
- 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

© 2025 Sun Hydraulics





© 2025 Sun Hydraulics