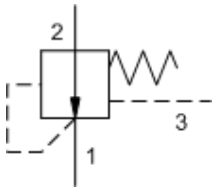
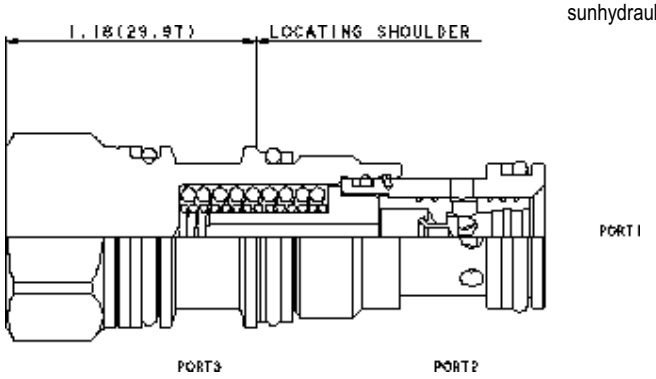
MODEL
LPDC

Normally open, modulating element
SERIES 1 / CAPACITY: 15 gpm / CAVITY: T-11A

sunhydraulics.com/model/LPDC





CONFIGURATION

X	Control	Not Adjustable
H	Differential Pressure	200 psi (14 bar)
N	Seal Material	Buna-N
(none)	Material/Coating	

Normally open modulating elements without an internal orifice act as a restrictive 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: 990011007
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006
Model Weight	0.28 lb.

CONFIGURATION OPTIONS

Model Code Example: LPDCXHN

CONTROL (X)	DIFFERENTIAL PRESSURE (H)	SEAL MATERIAL (N)	MATERIAL/COATING
X Not Adjustable	**H** 200 psi (14 bar)	**N** Buna-N	Standard Material/Coating
	D 50 psi (3,5 bar)	**E** EPDM	**/AP** Stainless Steel, Passivated
	F 100 psi (7 bar)	**V** Viton	**/LH** Mild Steel, Zinc-Nickel
	G 150 psi (10,5 bar)		

TECHNICAL FEATURES

- If a higher compensating pressure is needed consider using a direct-acting reducer; PR*R.
- 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.
- 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.

PERFORMANCE CURVES

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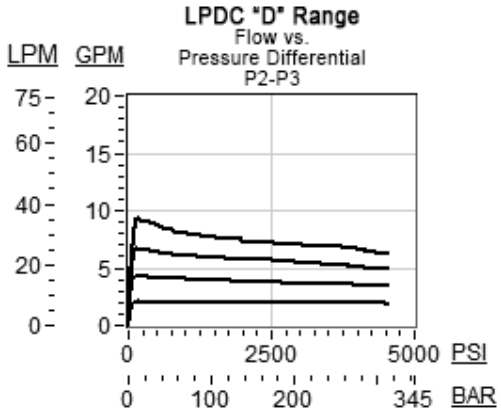

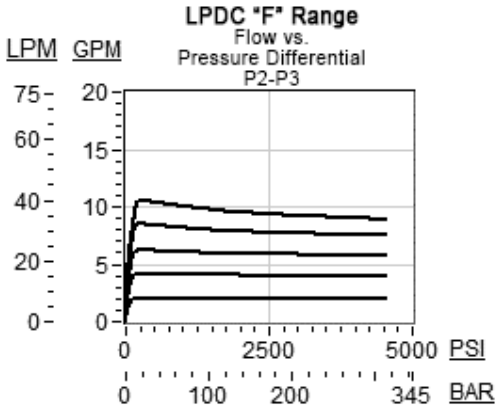

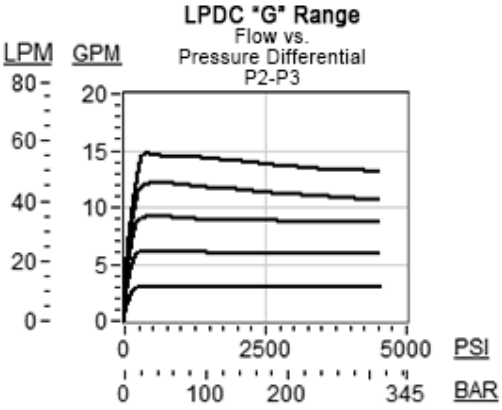

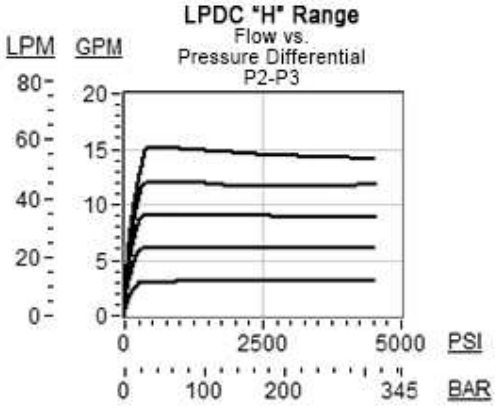

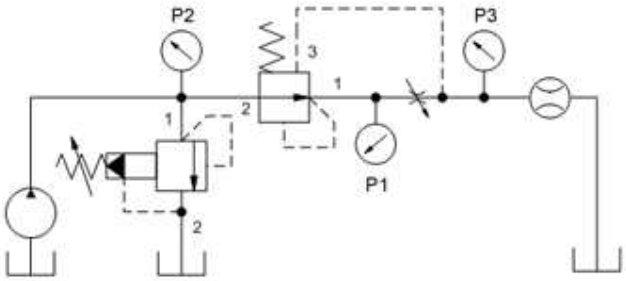

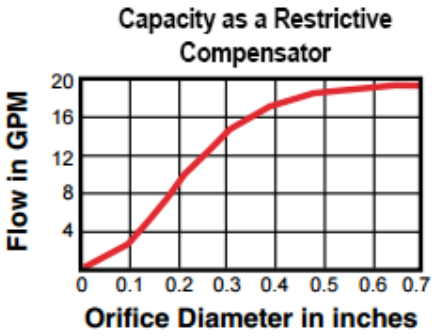

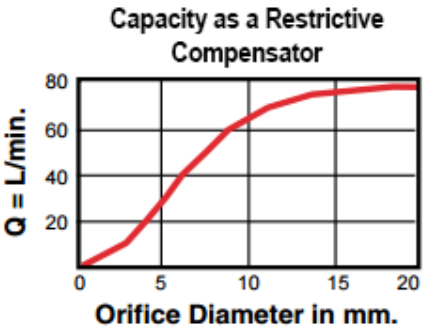

RELATED MODELS

- LPDCL Tuneable, normally open, modulating element

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