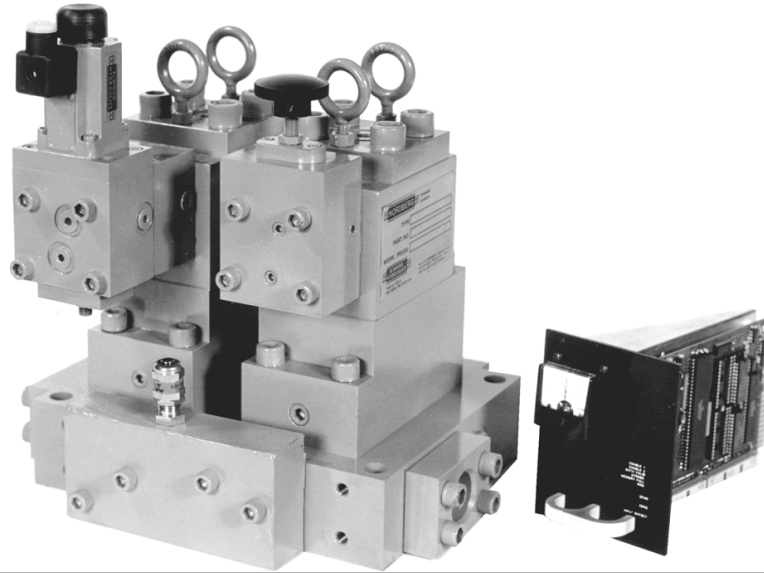


PRESSURE CONTROL VALVES

SERIES 30



[Reducer/Relief package shown above with proportional open loop controller]

FEATURES

The Proportional Pressure Control and Pressure Control Valves are pilot operated relief and reducing valves utilizing the spindle design. The valves are compact in size, having a three-piece construction consisting of a top plate, upper body, and lower body which contains a spindle, reversible-replaceable seat, a four-position orifice plug, and a pilot head with proportional force controlled solenoid for proportional pressure control.



COMPATIBILITY & LIFE EXPECTANCY

The Proportional Pressure Control and Pressure Control valves easily convert from relief to reducer, or reducer to relief. All parts are replaceable, plus the seat is reversible for additional service life. The adjustable orifice restrictor adds considerable life to the component and is standard on all valves.



DURABILITY

For long-lasting durability with low viscosity fluid mediums, the series 30 design utilizes stainless steel bodies as well as heat treated stainless steel internals, including spools and sleeves.



FLUID MEDIA

Valves function with fluid mediums such as raw water, non-flammable fluids, and low viscosity fluids (e.g. kerosene).

For other fluid media, please contact us.



Ordering Data - Pressure Control Relief & Reducing Valves

For Proportional Control Only

For Unloading Relief Only

MODEL CODE EXAMPLE	[PR] - CRL - 3K - 3M - [6 - 11D]				
	<i>Electrical Proportional</i>	<i>Model</i>	<i>Max. Working Pressure</i>	<i>Port Connection</i>	<i>Voltage Valve Accessories</i>

ELECTRICAL PROPORTIONAL

CODE NO.	DESCRIPTION
PR	Proportional Pressure Control 24 VDC

Electrical proportional pressure control is optional.

MAXIMUM WORKING PRESSURE

CODE NO.	DESCRIPTION
1.5K	1,500 PSI / 105 BAR
3K	3,000 PSI / 210 BAR
6K	6,000 PSI / 415 BAR

Custom pressures available upon request.

PORT CONNECTION SIZE

CODE NO.	Connection Options	Valve Sizes Applicable	Connection Size
1M	M - Manifold Mounting	P-Size Valves PRL	1/4"
2M	M - Manifold Mounting NFPA P-06 Mounting	A-Size Valves ARL, ARD	1/2"
3M 3F61 3F62	M - Manifold Mounting F61 - SAE Code 61 F62 - SAE Code 62	C-Size Valves CRL, CRD, CURL	3/4"
5M 5F61 5F62	M - Manifold Mounting F61 - SAE Code 61 F62 - SAE Code 62	D-Size Valves DRL, DRD, DURL	1-1/4"
8M 8F61 8F62	M - Manifold Mounting F61 - SAE Code 61 F62 - SAE Code 62	E-Size Valves ERL, ERD, EURL	2"
12M 12F61 12F62	M - Manifold Mounting F61 - SAE Code 61 F62 - SAE Code 62	F-Size Valves FRL, FRD, FURL	3"
16M 16F61 16F62	M - Manifold Mounting F61 - SAE Code 61 F62 - SAE Code 62	G-Size Valves GRL, GRD, GURL	4"

Custom sizing & mounting connections available upon request.

MODEL

TYPE	CODE NO.	DESCRIPTION	FLOW RANGE
RELIEF	PRL	P-Size Relief Valve	0 - 2 GPM 8 L/MIN
	ARL	A-Size Relief Valve	0 - 20 GPM 75 L/MIN
	CRL	C-Size Relief Valve	10 - 85 GPM 320 L/MIN
	DRL	D-Size Relief Valve	40 - 190 GPM 720 L/MIN
	ERL	E-Size Relief Valve	80 - 300 GPM 1,140 L/MIN
	FRL	F-Size Relief Valve	180 - 660 GPM 2,500 L/MIN
	GRL	G-Size Relief Valve	350 - 1,000 GPM 3,800 L/MIN
REDUCER	ARD	A-Size Reducing Valve	0 - 15 GPM 57 L/MIN
	CRD	C-Size Reducing Valve	10 - 50 GPM 190 L/MIN
	DRD	D-Size Reducing Valve	40 - 120 GPM 455 L/MIN
	ERD	E-Size Reducing Valve	80 - 200 GPM 760 L/MIN
	FRD	F-Size Reducing Valve	180 - 500 GPM 1,900 L/MIN
	GRD	G-Size Reducing Valve	350 - 800 GPM 3,000 L/MIN
UNLOADING RELIEF	CURL	C-Size Unloading Relief Valve	10 - 50 GPM 190 L/MIN
	DURL	D-Size Unloading Relief Valve	40 - 120 GPM 455 L/MIN
	EURL	E-Size Unloading Relief Valve	80 - 200 GPM 760 L/MIN
	FURL	F-Size Unloading Relief Valve	180 - 500 GPM 1,900 L/MIN
	GURL	G-Size Unloading Relief Valve	350 - 800 GPM 3,000 L/MIN

Custom sizes & specifications available upon request.

VOLTAGE ¹

1	6 VDC
2	12 VDC
3	24 VDC
5	110 VDC
6	110/120VAC 50/60Hz
8	220/240VAC 50/60Hz
9	410/460VAC 50/60Hz
10	200VAC 50/60Hz
11	440/480VAC 60Hz
12	24VAC 50/60Hz

VALVE ACCESSORIES ²

CODE NO.	DESCRIPTION
11B	ELECTRICAL QUICK DISCONNECT MALE - INDUSTRIAL, 3-BLADE PATTERN
11D	ELECTRICAL QUICK DISCONNECT MALE - DIN# 43650, 3-BLADE PATTERN
11E	ELECTRICAL QUICK DISCONNECT MALE - BRAD HARRISON 3-PIN

INDICATOR LIGHTS ARE STANDARD

REDUCING/RELIEVING PACKAGES

Pressure control reducing/relieving packages available in all sizes.

Standard package model codes:
 C-Size Package - PR-CRD/CRL-HB-3K-3M
 D-Size Package - PR-DRD/DRL-HB-6K-5M
 E-Size Package - PR-ERD/ERL-HB-6K-8M

Any size packages and mounting available upon request.

Notes

- ¹ Codes 3, 6, & 8 are standard voltages. For non-standard voltages, please contact us!
- ² Filter Block Assembly available as option code -27.



For custom specifications and non-standard voltages, please contact us! Our team at Elwood is happy to customize a valve to fit your requirements!

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