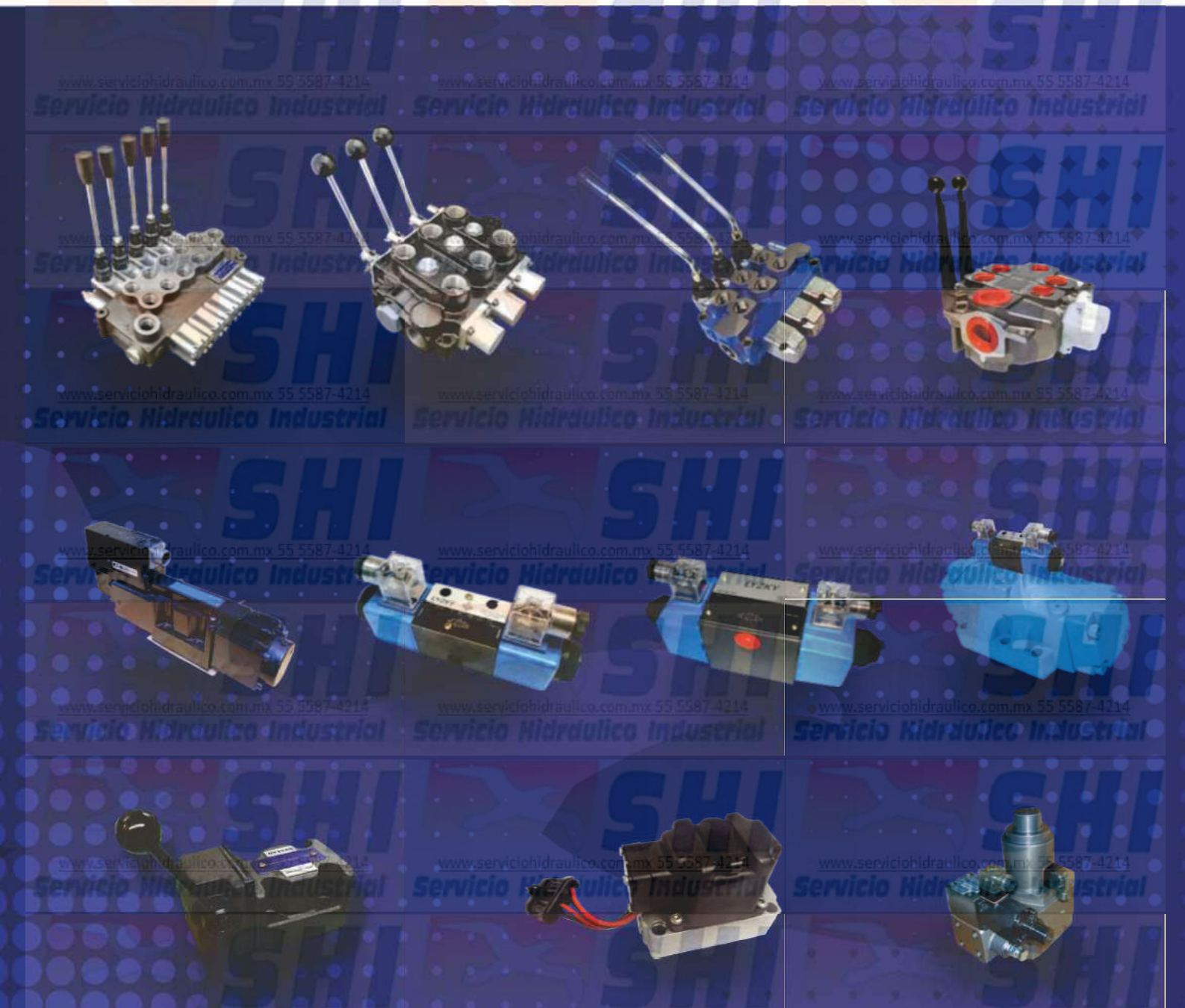
SHI
Servicio Hidráulico Industrial



VÁLVULAS DIRECCIONALES

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Electroválvulas

Modelo	Flujo máximo gpm	Presión psi
CETOP3	10 a 16	4500
CETOP5	18 a 31	4500
CETOP7	35 a 79	4500
CETOP8	82 a 132	4500
CETOP10	150 a 291	4500

	CETOP3	CETOP5	CETOP7,8,10
4WE			
DG4			
DSG			
DMG			

Válvulas direccionales manuales

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Liventa

Modelo	Capacidad gpm	Presión máx. psi
VCD	16	3000
VM50	16	3000
VM100	27	3000
VM150	40	3000

Válvulas Direccionales de palancas para flujos de 16 a 40 gpm y 3000 psi.

VCD

VM100

HKD

HYSTAR

Válvulas Direccionales Manuales de tipo Monoblock de 1 a 5 palancas para flujos hasta de 21gpm y 3500 psi. Puertos de 1/2" y 3/8" con Power Beyond.

Capacidad gpm	Presión máx. psi
21	3500

RD

LYZKY hydraulics

Válvulas Direccionales Manuales de tipo Monoblock de 1, 2 y 3 palancas para flujos hasta de 30gpm y 3000 psi. Puertos de 3/4" y 1/2" con Power Beyond.

Capacidad gpm	Presión máx. psi
21	3000

VG20

VG35

Modelo	Capacidad gpm	Presión máx. psi
VG20	40	3500
VG35	70	3500

K(B)FD/TG4V, Series
Proportional Directional Valves

General Description

KFD/TG4V-5

This version is supplied ***without*** the integral amplifier.

Features and Benefits

- Wide range of spool and flow rate options.
- Electronic feedback LVDT ensures accurate spool position control.
- Internal current feedback provides optimal control.
- Vibration and shock tested.
- Supported by a broad range of amplifiers and auxiliary function modules.
- Full CE electromagnetic compatibility.

KBFD/TG4V-5

A range of proportional directional and throttle valves ***with*** integral control electronics. Factory-set adjustments of gain, spool deadband compensation and offset ensure consistent repeatability valve-to-valve.

The only electrical inputs required are power supply (24V) and a voltage command signal of ± 10V. The amplifier is housed in a robust metal enclosure, sealed against ingress of water and other fluids. Electrical connections are via a standard 7-pin plug.

A spool position monitor pin allows the function of the valve to be electrically monitored. Ramp functions, if required, can be generated externally.

Features and Benefits

- Installation wiring reduced and simplified.
- Standard 7-pin connector.
- Standard 24V DC supply with wide tolerance band.
- Standard ± 10 V DC command signals.
- Valve with integrated amplifier selected, ordered, delivered and installed as one performance-tested package.
- Spool position monitor pin to help with troubleshooting.
- Simple valve removal and replacement for service (plug & play).
- Vibration and shock tested.
- Auxiliary DIN rail mounted electronic function modules available.
- Full CE electromagnetic compatibility.
- IP67 valve environmental protection rating.
- Optional valve enable function.

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Types 4WRA and 4WRAE

Type 4WRAE 6 …-2X/G24K31/.V with integrated electronics (OBE)

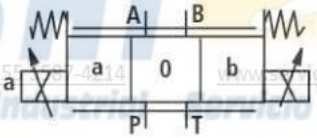
Typ 4WRA 10 …-2X/G24…K4/V with plug-in connectors and associated control electronics (separate order)

Nominal sizes 6 and 10
Component series 2X
Maximum operating pressure 315 bar
Maximum flow: 42 l/min (NS6)
75 l/min (NS10)

Symbols

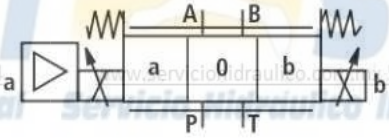
Without integrated electronics

Type 4WRA…

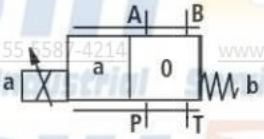


With integrated electronics (OBE)

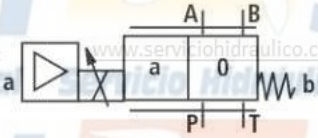
Type 4WRAE…



Types 4WRA… **EA**…; 4WRA… **WA**…



Types 4WRAE… **EA**…; 4WRAE… **WA**…



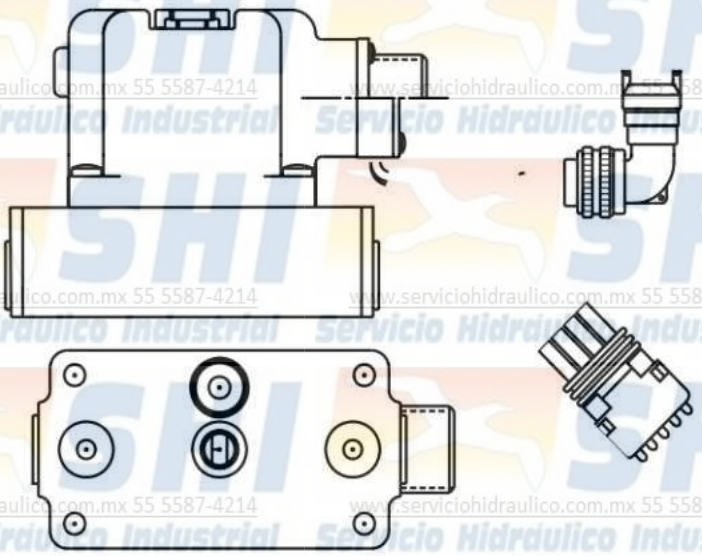
SAUER DANFOSS

Danfoss

Pressure Control Valve

DESCRIPTION

The PCP is a torque-motor actuated, double-nozzle flapper valve that produces a differential output pressure proportional to the applied electrical input signal. It is a single-stage, stand-alone, closed loop pressure control valve which uses internal hydraulic pressure reactions to achieve its closed loop control characteristics.



FEATURES

- Standard manual override
- Withstands mobile equipment vibration and shock conditions
- Controls both pilot-operated pumps/motors and main spool valves
- Optional environmental electrical connector (see PCP Mating Connectors, page 10)
- Self-contained pressure feedback
- Constant scale factor with varying pilot pressure
- Can be used in either closed loop or open loop systems

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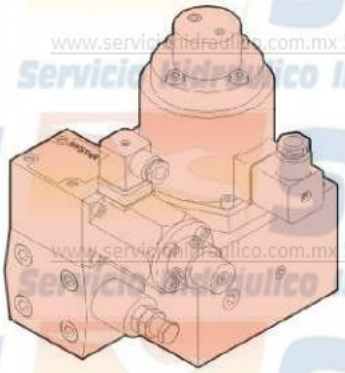
Proportional Electro-Hydraulic Relief And Flow Control Valves (40Ω -10Ω Series)

Description \ Model Number			EFBG-03-125	EFBG-06-250	EFBG-10-500
Max. Operating Pres.		bar(PSI)	206(2987)	206(2987)	206(2987)
Max. Flow		lpm(USgpm)	125(33)	250(66)	500(132)
Metred Flow Adjustment Range		lpm(USgpm)	1-125 (.26-33)	2-250 (.52-66)	5-500 (1.32-132)
Flow Controls	Rated Current	mA	750		
	Coil Resistance	Ω	40		
	Valve Internal Resistance (A →B)	bar(PSI)	5(72.5)		
	Hysteresis	%	< 7		
	Repeatability	%	< 1		
Pressure Controls	Pres. Adj. Range	bar(PSI)	C: 8~140(116~2030) H:10~206(145~3000)		
	Rated Current	mA	C:700 H:750		
	Coil Resistance	Ω	10		
	Hysteresis	%	< 3		
	Repeatability	%	< 1		
Weight		kg(lbs.)	18(39.6)	33(72.7)	58(127.8)



Graphic Symbols

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Solución a su Problema Hidráulico en 24 hrs.

HYSTAR · TDZ · VICKERS · Commercial Hydraulics

SAUER DANFOSS · POCLAIN HYDRAULICS · LYZKY hydraulics · Rexroth

Winner · Liventa · DYNEX High Pressure Hydraulics · Char-Lynn

Danfoss · Donaldson · sun hydraulics · salami

intermot · WEBTEC · Daman · Parker · DENISON Hydraulics

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