



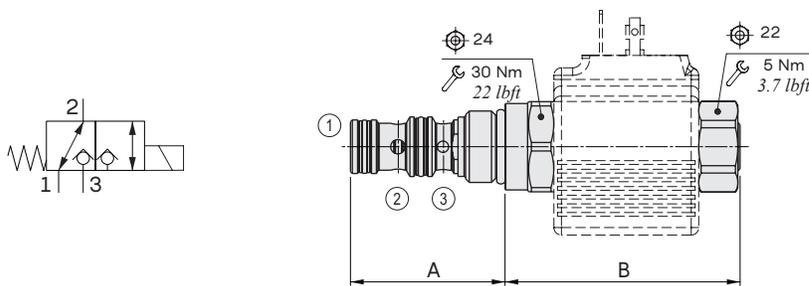
## EL08B type directional solenoid valves – 3 way / 2 positions

- Poppet type
- Direct acting with on-off solenoid
- Different types of emergencies available
- Suitable for low pressure: 100 bar (1450 psi)

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

		<b>EL08B</b>
Nominal flow		10 l/min (2.64 US gpm)
Max. pressure		250 bar (3600 psi)
Oil leakage	at 210 bar (3050 psi)	0.25 cm <sup>3</sup> /min (0.015 in <sup>3</sup> /min)
Fluid		mineral based or synthetic hydraulic fluid with lubricating properties
Viscosity		10-200 cSt
Max level of contamination		18/16/13 ISO4406
Fluid temperature	with NBR seals+Polyurethane with FPM seals	from -25°C (-13°F) to 90°C (194°F) from -20°C (-4°F) to 110°C (230°F)
Environmental temp. for working conditions		from -20°C (-4°F) to 60°C (140°F)
Cavity		SAE 08/3
Coil type*		BER
Nominal voltages		12VDC - 24VDC ± 10%
Power rating		19 W
Weight		0.16 kg (0.35 lb)

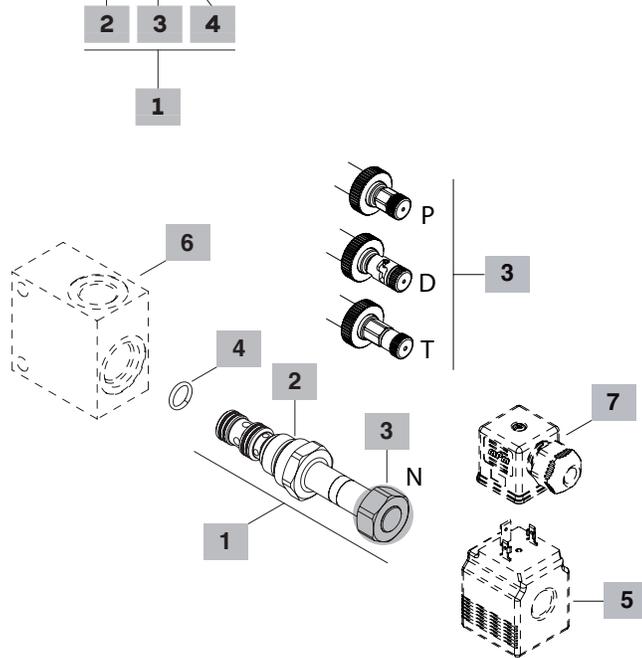
NOTE - For different conditions, please contact Walvoil Sales Dpt. - \*For coils further features see from page 201.



Valve type	A		B							
			N without emergency		T screw		P push button		D push type with detent	
	mm	in	mm	in	mm	in	mm	in	mm	in
<b>EL08B</b>	41.1	1.62	62.5	2.46	85.4	3.36	85.4	3.36	88.1	3.47

### Ordering codes and description composition

EL08B/ 1 0 N B



#### 1 Cartridges

TYPE	CODE	DESCRIPTION
EL08B/10NB	OEL08002009	Without emergency
EL08B/10PB	OEL08002006	With push-button emergency
EL08B/10TB	OEL08002007	Screw type emergency
EL08B/10DB	OEL08002008	Push type with detent emergency

#### 2 Spool

TYPE	DESCRIPTION
1	Spool 1

#### 3 Emergency

TYPE	DESCRIPTION
N	Without emergency
P	Push-button emergency
T	Screw type emergency
D	Push type with detent emergency

#### 4 Seals

TYPE	DESCRIPTION
B	<b>NBR (Buna)+Polyurethane</b> o-ring seals, std configuration
V	<b>FPM (Viton)</b> o-ring seals, contact Sales Dept

#### 5 Coil

TYPE	CODE	DESCRIPTION
BER12VDC	4SLE001200A	12VDC-ISO4400 coil

For complete coils list see page 201

#### 6 Valve body

TYPE	CODE	DESCRIPTION
SAE08/3-SAE6	3CC0830J11	Aluminium body for cavity 08 valve, SAE6 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)  
For steel bodies or different threading see from page 210

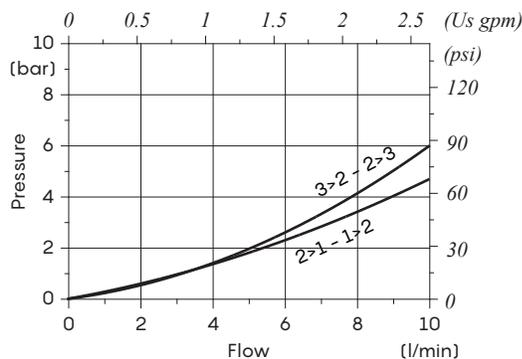
#### 7 Connector

TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995B	Connector

For complete connectors list see from page 201

### Rating diagrams

Pressure drop vs. flow



Performance limit

