



ET..L type directional solenoid valves – 4 way/3 positions

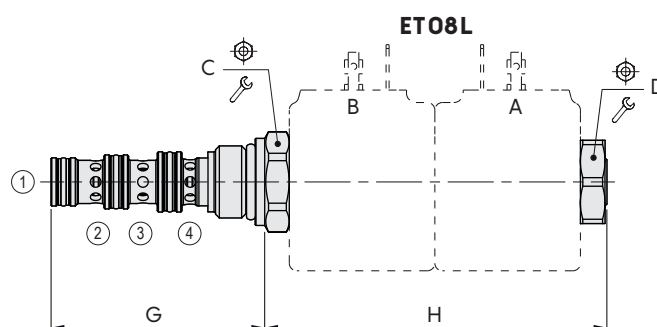
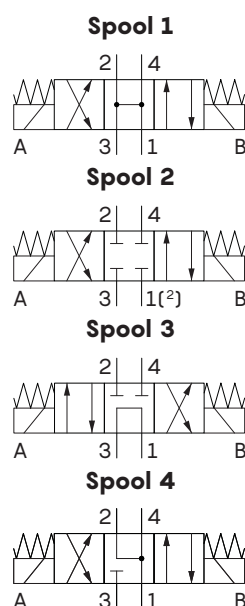
- Spool type
- Direct acting with on-off solenoid
- Different types of emergencies available
- External zinc-plated and corrosion-proof components
- From SAE08 to SAE10 cavities

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

	ET08L	ET10L
Nominal flow	20 l/min (5.3 US gpm)	40 l/min (10.6 US gpm)
Max. pressure	250 bar (3600 psi)	
Oil leakage	at 210 bar (5100 psi) 40 cm ³ /min (2.44 in ³ /min)	80 cm ³ /min (4.88 in ³ /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 08/4	SAE 10/4
Coil type*	BER	BC
Nominal voltages	12VDC – 24VDC ± 10%	
Power rating	19 W (12VDC – 24VDC)	26 W (12VDC – 24VDC)
Weight	0.635 kg (1.4 lb)	0.702 kg (1.55 lb)

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

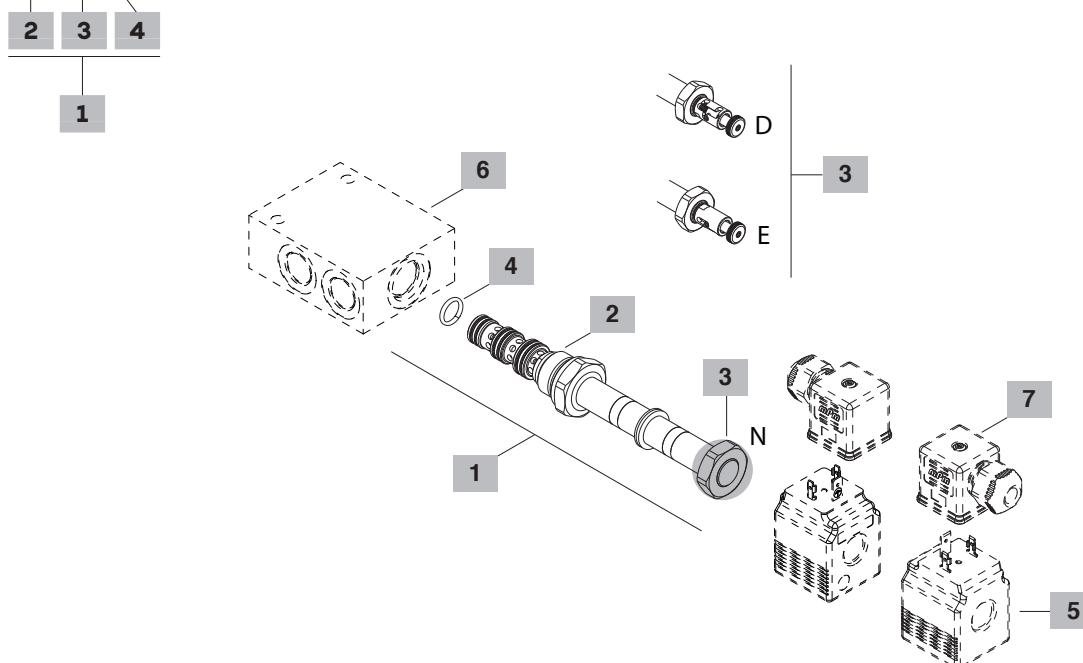
– (²) Port 1 may be fully pressurized, it's not intended for use as the valve's inlet.



Valve type	G		N without emergency		H D push type with detent		E with pull/ push button		C		D	
	mm	in	mm	in	mm	in	mm	in	Nm	lbft	Nm	lbft
ET08L	54	2.13	93	3.66	122	4.8	122	4.8	24	30	22	5±1 3.7
ET10L	62.4	2.46	114	4.49	142.8	5.62	142.8	5.62	27	50	37	23 5±1 3.7

Ordering codes and description composition

ET08L/ 1 0 N B



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/4		
ET08L/10NB	OET08002026	Without emergency, spool 1
ET08L/20NB	OET08002027	Without emergency, spool 2
ET08L/30NB	OET08002025	Without emergency, spool 3
ET08L/40NB	OET08002028	Without emergency, spool 4
SAE cavity 10/4		
ET10L/10NB	OET10002041	Without emergency, spool 1
ET10L/20NB	OET10002043	Without emergency, spool 2
ET10L/30NB	OET10002040	Without emergency, spool 3
ET10L/40NB	OET10002042	Without emergency, spool 4

2 Spool

TYPE	DESCRIPTION
1	Spool 1
2	Spool 2
3	Spool 3
4	Spool 4

3 Emergency

TYPE	DESCRIPTION
N	Without emergency
D	Push/pull type with detent
E	Push/pull type without detent

4 Seals

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

5 Coils

TYPE	CODE	DESCRIPTION
BER12VDC	4SLE001200A	12VDC-ISO4400 coil for ET08L
BC12VDC	4SL8000120	12VDC-ISO4400 coil for ET10L

For complete coils list see page 201

6 Valve body

TYPE	CODE	DESCRIPTION
SAE08/4-G 3/8	3CC0840C11	Aluminium body for cavity 08 valve, G 3/8 std thread
SAE10/4-G 1/2	3CC1040D11	Aluminium body for cavity 10 valve, G 3/8 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 212

7 Connector

TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995B	Connector

For complete connectors list see from page 201

Rating diagrams

