



**EE..M type
directional solenoid valves – 2 way/2 positions**

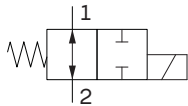
- Spool type
- Direct acting with on-off solenoid
- Different types of emergencies available
- Normally open and closed configurations
- From SAE08 to SAE10 cavities

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

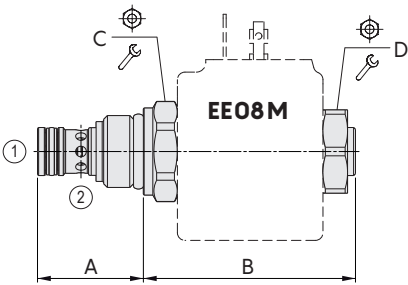
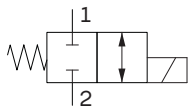
	EE08M	EE10M
Nominal flow	15 l/min (3.96 US gpm)	40 l/min (10.57 US gpm)
Max. pressure	250 bar (3600 psi)	
Oil leakage	at 210 bar (5100 psi) 20 cm³/min (1.22 in³/min)	40 cm³/min (2.44 in³/min)
Fluid	mineral based or synthetic hydraulic fluid with lubricating properties	
Viscosity	10–200 cSt	
Max level of contamination	18/16/13 ISO4406	
Fluid temperature	with NBR seals+PTFE 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 8/2	SAE 10/2
Coil type*	BER	BC
Nominal voltages	12VDC - 24VDC ± 10%	
Power rating	19 W	26 W
Weight	0.122 kg (0.27 lb)	0.19 kg (0.42 lb)

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

Normally open configuration



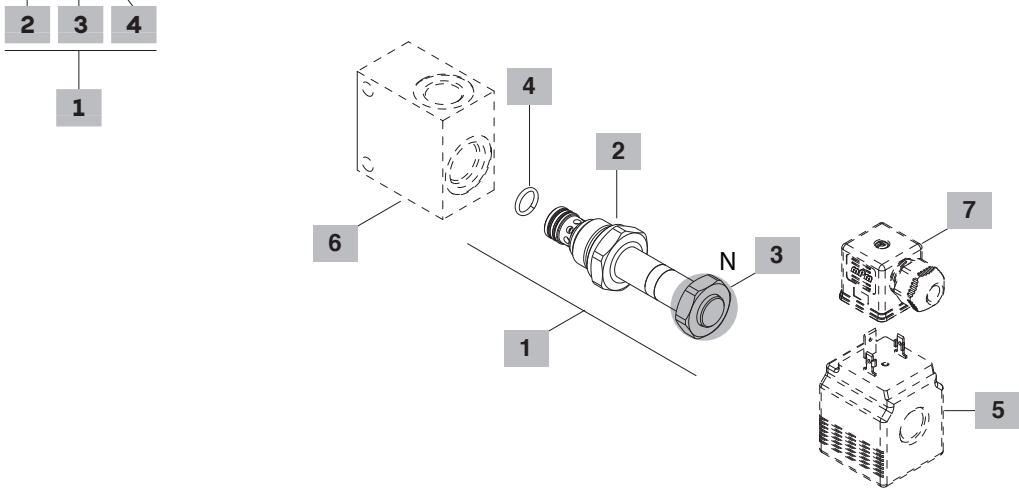
Normally closed configuration



Valve type	A		B N without emergency		C		D	
	mm	in	mm	in	Nm	lbft	Nm	lbft
EE08M	28	1.10	56.1	2.21	24	30	22	5±1 3.7
EE10M	32.3	1.27	68	2.68	27	50	37	23 5±1 3.7

Ordering codes and description composition

EE08M/ 1 0 N B



1 Cartridges

TYPE	CODE	DESCRIPTION
SAE cavity 08/2		
EE08M/10NB	OEE08002006	Normally open configuration (N.O.) without emergency
EE08M/20NB	OEE08002007	Normally closed configuration (N.C.) without emergency
SAE cavity 10/2		
EE10M/10NB	OEE10002013	Normally open configuration (N.O.) without emergency
EE10M/20NB	OEE10002014	Normally closed configuration (N.C.) without emergency

2 Spool

TYPE	DESCRIPTION
1	Normally open configuration
2	Normally closed configuration

3 Emergency

TYPE	DESCRIPTION
N	Without emergency

4 Seals

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

5 Coils

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

For complete coils list see page 201

6 Valve body

TYPE	CODE	DESCRIPTION
SAE08/2-G 3/8	3CC0820C11	Aluminium body for cavity 08 valve, G 3/8 std thread
SAE10/2-G 1/2	3CC1020D11	Aluminium body for cavity 10 valve, G 1/2 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 208

7 Connector

TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995B	Connector

For complete connectors list see from page 201

Directional control valves

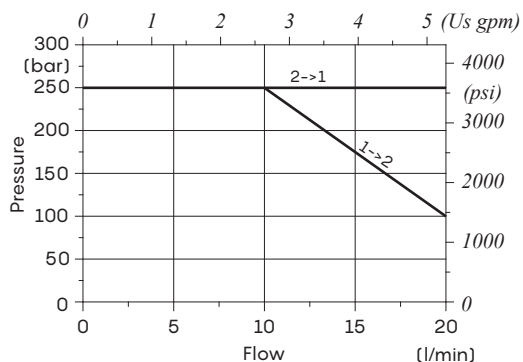
Directional solenoid valves - 2 way / 2 positions

EE..M type

Rating diagrams

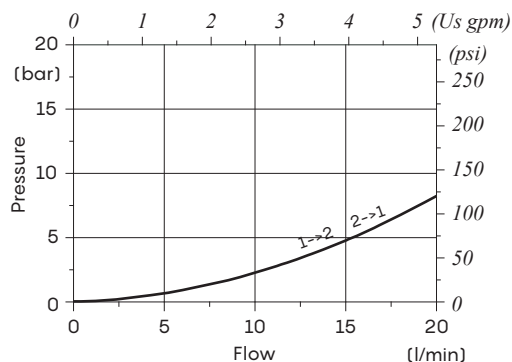
EE08M performance range

- Spool 1 / 2 -



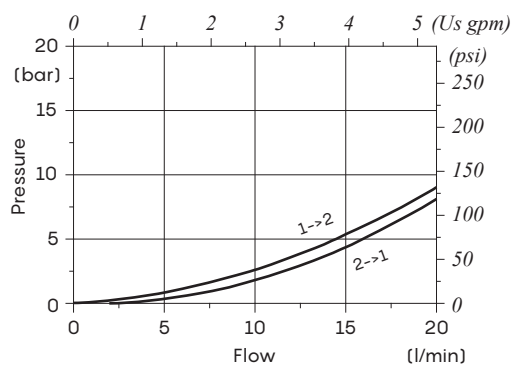
EE08M pressure drop vs. flow

- Spool 1 -



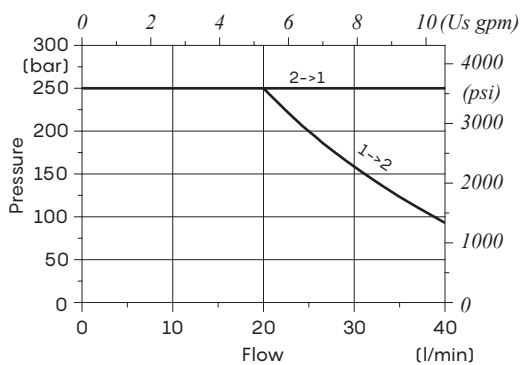
EE08M pressure drop vs. flow

- Spool 2 -



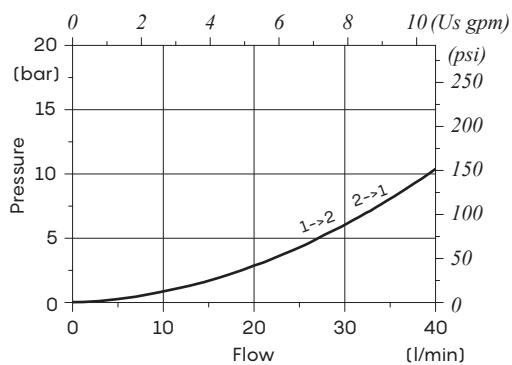
EE10M performance range

- Spool 1 / 2 -



EE10M pressure drop vs. flow

- Spool 1 -



EE10M pressure drop vs. flow

- Spool 2 -

