



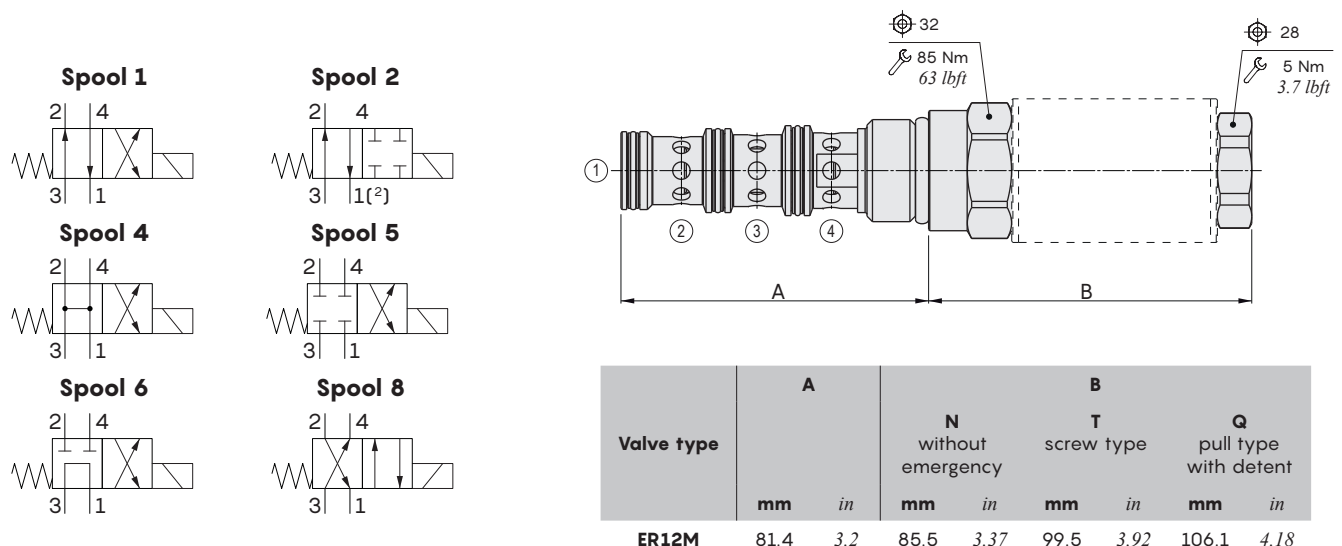
ER12M type directional solenoid valves – 4 way / 2 positions

- Spool type
- Direct acting with on-off solenoid
- Different types of emergencies available

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

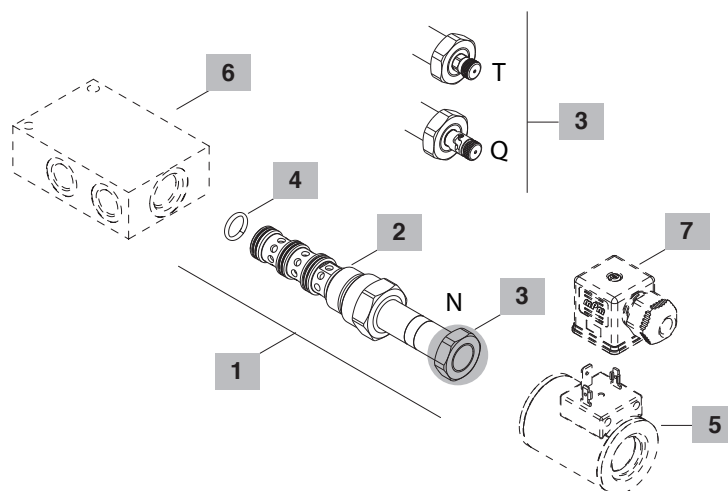
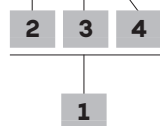
ER12M		
Nominal flow		60 l/min (15.8 US gpm)
Max. pressure	port 1 port 2, 3, 4	250 bar (3600 psi) 320 bar (4600 psi)
Oil leakage	at 210 bar (3050 psi)	200 cm ³ /min (12.20 in ³ /min)
Fluid	mineral based or synthetic hydraulic fluid with lubricating properties	
Viscosity	10-200 cSt	
Max level of contamination	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 12/4	
Coil type*	BH	
Nominal voltages	12VDC - 24 VDC ± 10%	
Power rating	33 W (12/24 VDC)	
Weight	0.73 kg (1.61 lb)	

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



Ordering codes and description composition

ER12M/ 1 0 N B

**1 Cartridges**

TYPE	CODE	DESCRIPTION
SAE cavity 12/4		
ER12M/10NB	0ER12002021	Without emergency, spool 1
ER12M/20NB	0ER12002023	Without emergency, spool 2
ER12M/40NB	0ER12002031	Without emergency, spool 4
ER12M/50NB	0ER12002024	Without emergency, spool 5
ER12M/60NB	0ER12002028	Without emergency, spool 6
ER12M/80NB	0ER12002022	Without emergency, spool 8
ER12M/10QB	0ER12002033	Pull type emergency with detent, spool 1
ER12M/60TB	0ER12002030	Screw type, spool 6

2 Spool

TYPE	DESCRIPTION
1	Spool 1
2	Spool 2
4	Spool 4
5	Spool 5
6	Spool 6
8	Spool 8

3 Emergency

TYPE	DESCRIPTION
N	Without emergency
Q	Pull type with detent
T	Screw type

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
BH12VDC-ISO4400	4SLD001200A	12VDC-ISO4400 coil

For complete coils list see page 201

6 Valve body

TYPE	CODE	DESCRIPTION
SAE12/4 - SAE10	3CC1240L11	Aluminium body for cavity 12 valve, SAE10 std thread

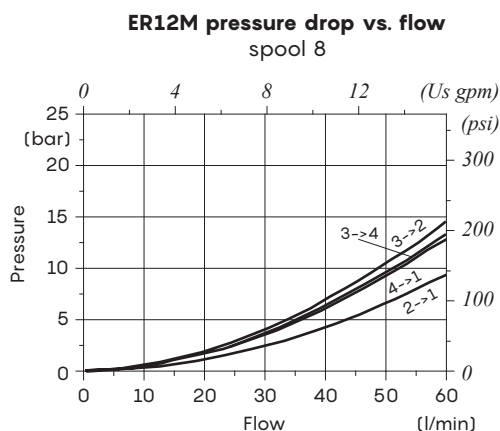
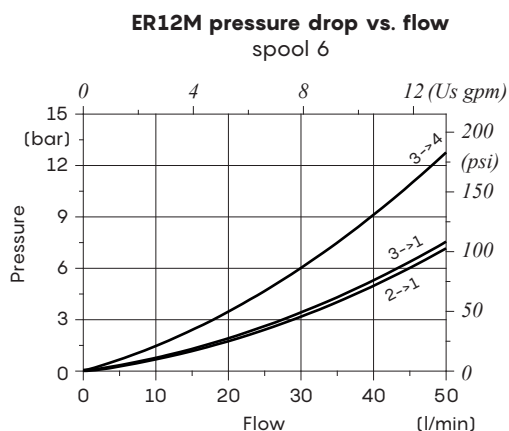
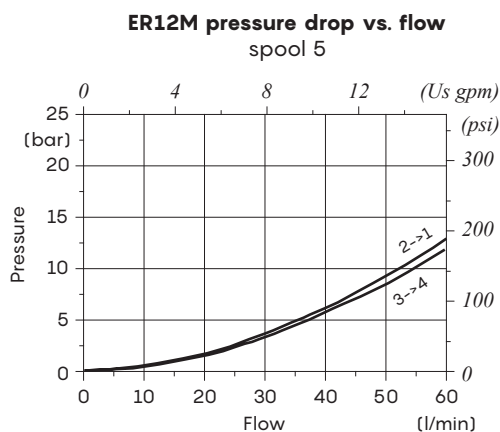
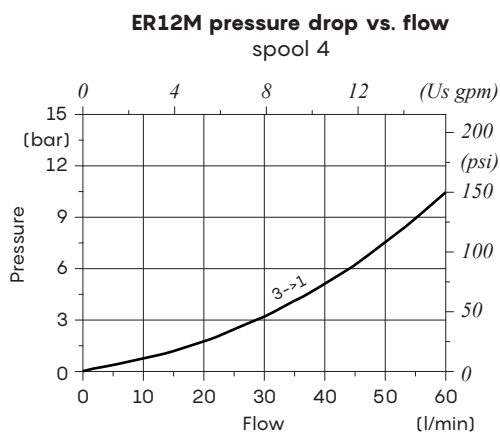
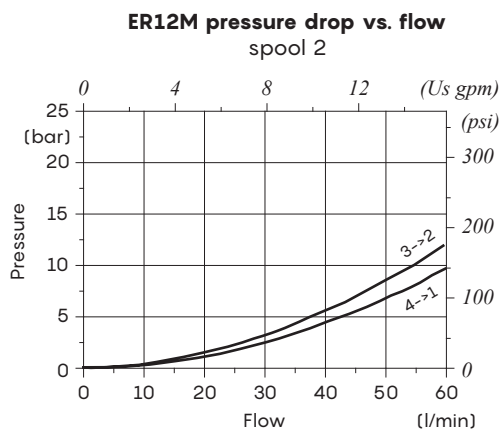
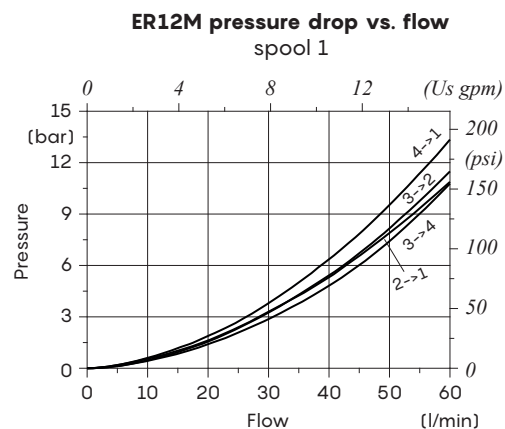
Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 212

7 Connector

TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995B	Connector

For complete connectors list see from page 201

Rating diagrams



ER12M performance limit

