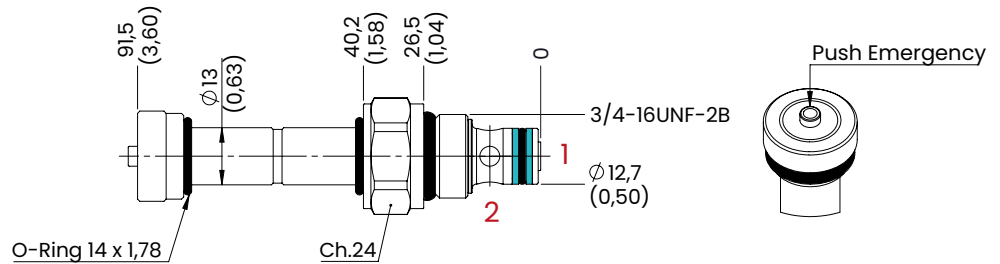

electrical **VALVES**



E2F28 SOLENOID VALVE SAE 8/2

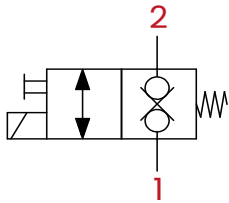


SOLENOID VALVE 2 WAYS 2 POSITIONS, WITH EMERGENCY



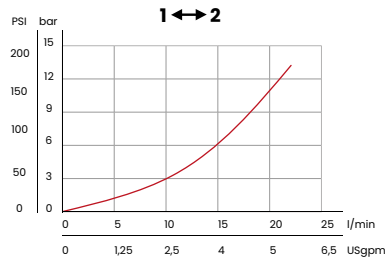
mm
[Inches]

HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

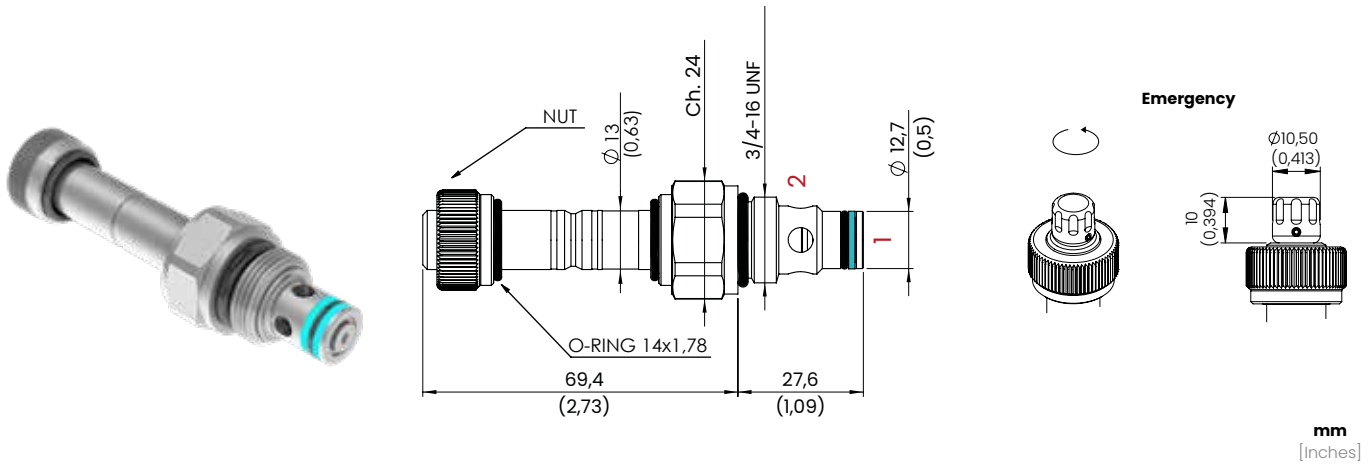
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2F28E	Normally closed + emergency	SAE 8/2	22 [5,8]	210 [3045]	30 [22]	2 [1,5]	0,12 [0,26]

Optional, coils C22 and connectors CN

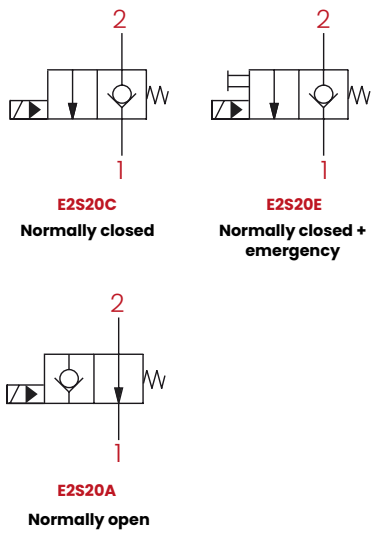
E2S20 SOLENOID VALVE SAE 8/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

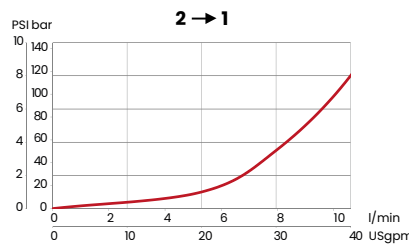


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

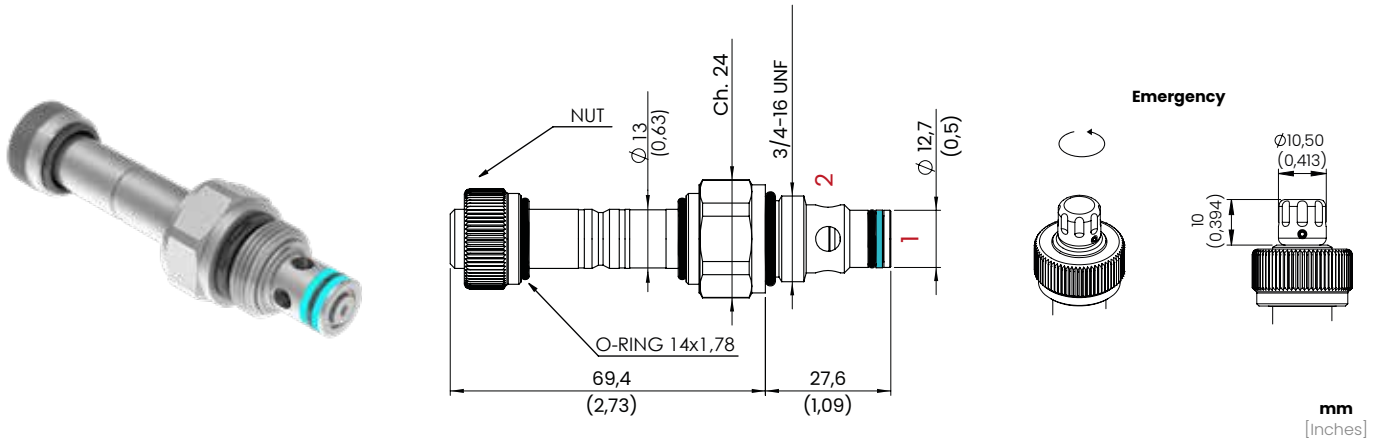
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2S20C	Normally closed	SAE 8/2	40 [10,6]	350 [5076]	30 [22]	2 [1,5]	0,16 [0,36]
E2S20E	Normally closed + emergency						
E2S20A	Normally open						

Optional, coils C22 and connectors CN

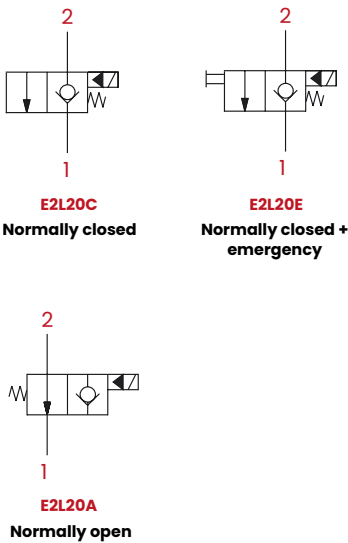
E2L20 SOLENOID VALVE SAE 8/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

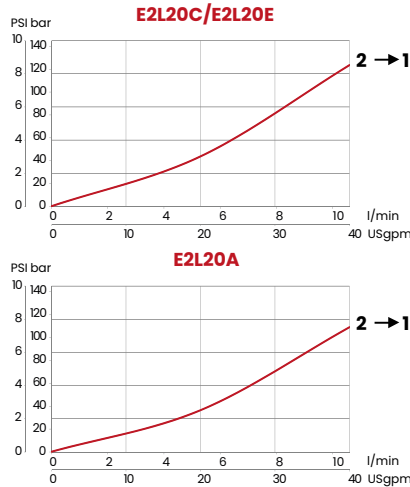


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

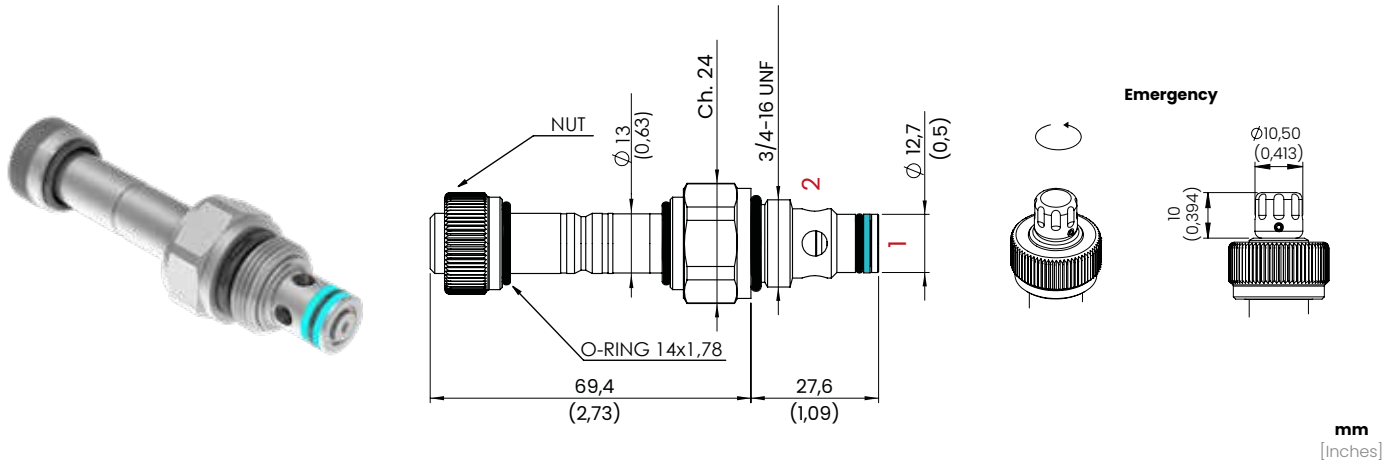
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2L20C	Normally closed	SAE 8/2	30 [8]	300 [4350]	30 [22]	2 [1,5]	0,12 [0,27]
E2L20E	Normally closed + emergency						
E2L20A	Normally open						

Optional, coils C22 and connectors CN

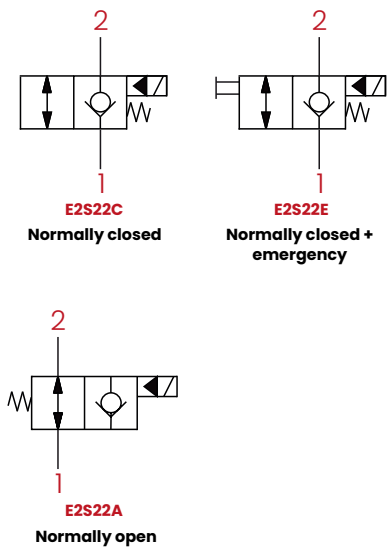
E2S22 SOLENOID VALVE SAE 8/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

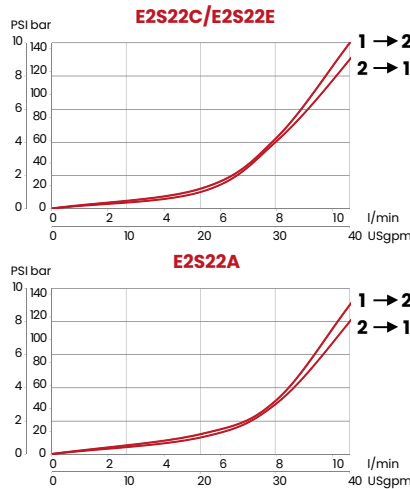


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

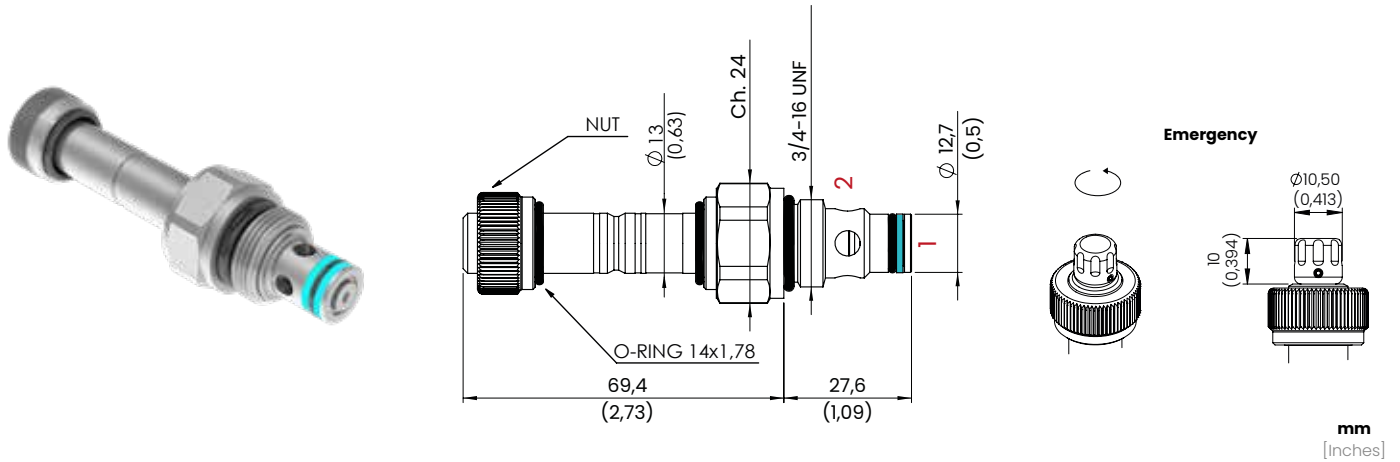
ORDERING CODE

ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2S22C	Normally closed	SAE 8/2	40 [10,6]	350 [5076]	30 [22]	2 [1,5]	0,16 [0,36]
E2S22E	Normally closed + emergency						
E2S22A	Normally open						
Optional, coils C22 and connectors CNS/CNR							

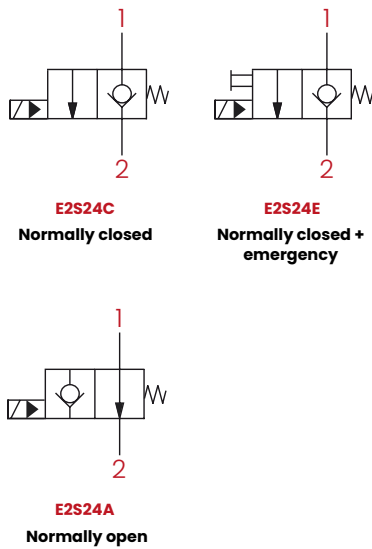
E2S24 SOLENOID VALVE SAE 8/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

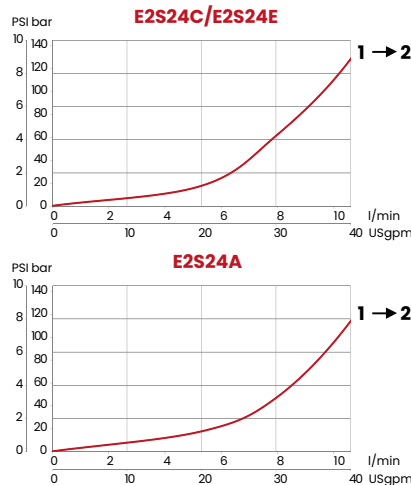


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

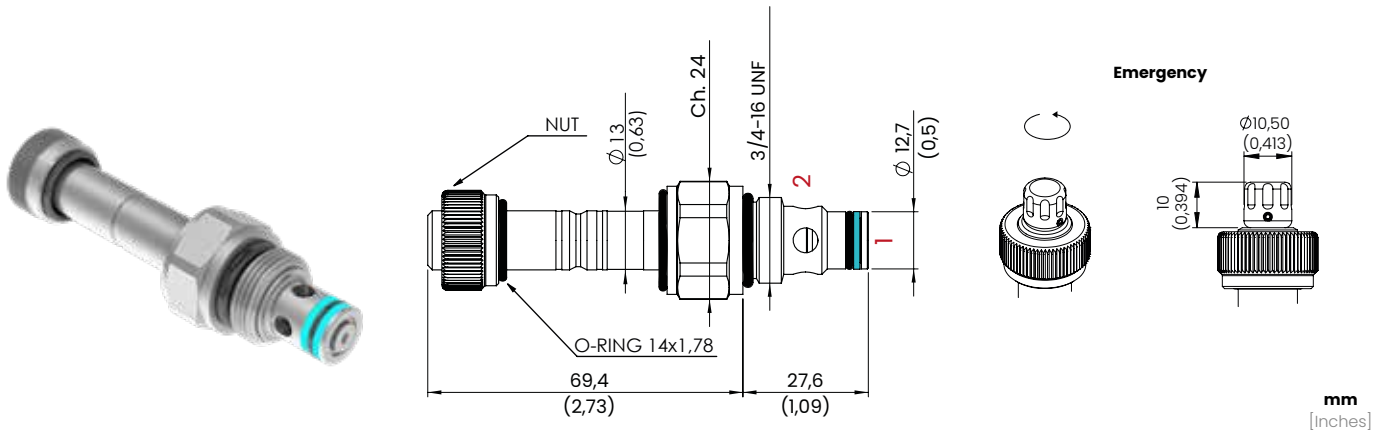
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2S24C	Normally closed	SAE 8/2	40 [10,6]	350 [5076]	30 [22]	2 [1,5]	0,16 [0,36]
E2S24E	Normally closed + emergency						
E2S24A	Normally open						

Optional, coils C22 and connectors CNS/CNR

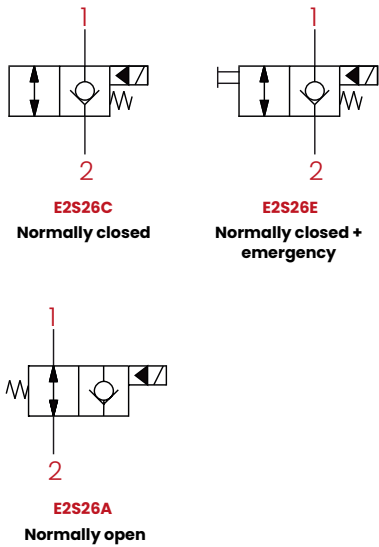
E2S26 SOLENOID VALVE SAE 8/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET DIRECT OPERATED

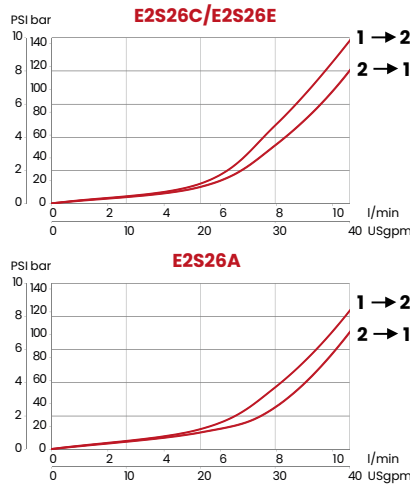


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

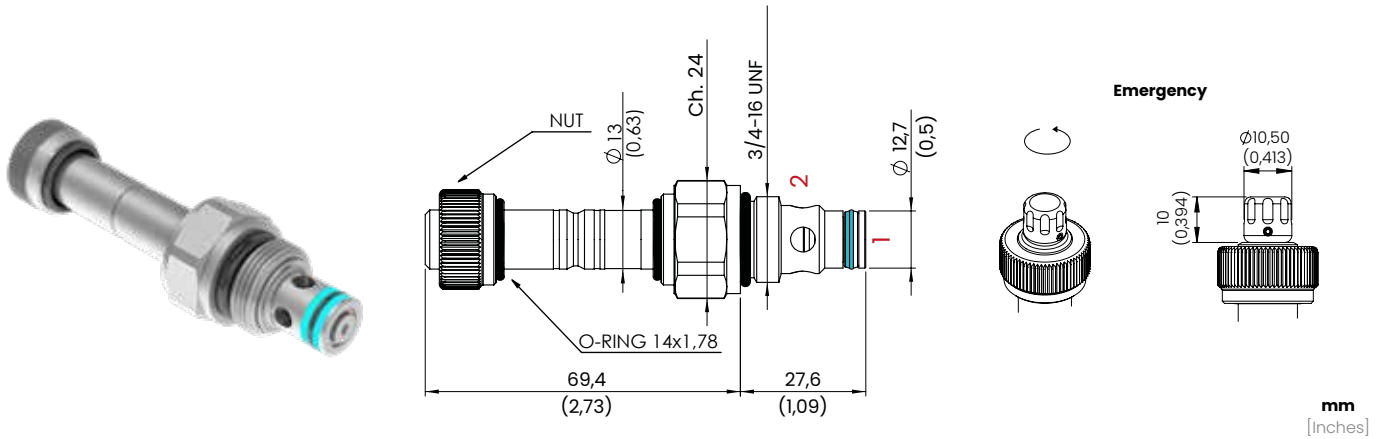
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2S26C	Normally closed	SAE 8/2	40 [10,6]	350 [5076]	30 [22]	2 [1,5]	0,16 [0,36]
E2S26E	Normally closed + emergency						
E2S26A	Normally open						

Optional, coils C22 and connectors CN

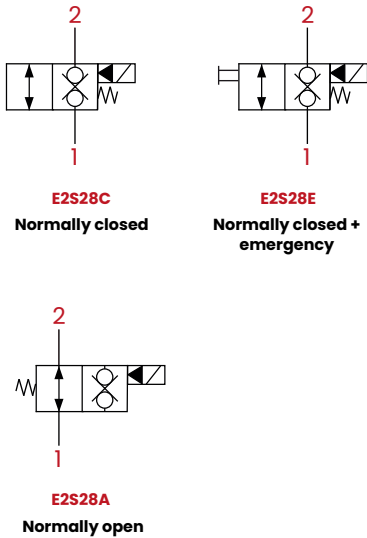
E2S28 SOLENOID VALVE SAE 8/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET DIRECT OPERATED

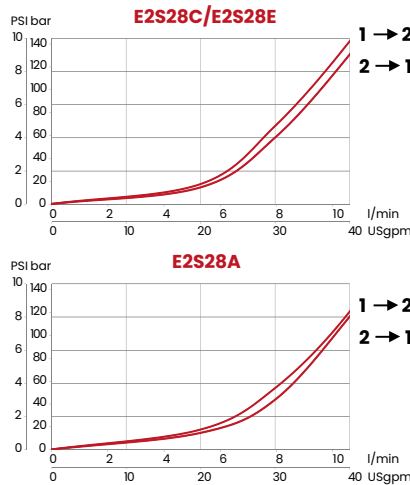


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

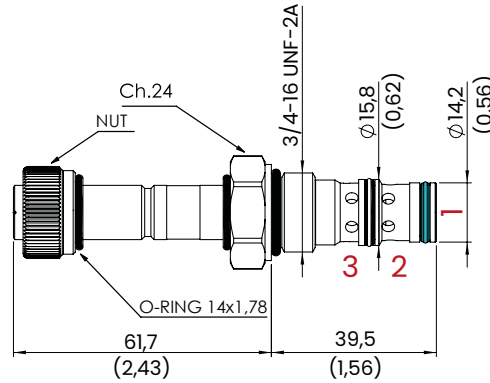
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E2S28C	Normally closed	SAE 8/2	40 [10,6]	350 [5076]	30 [22]	2 [1,5]	0,16 [0,36]
E2S28E	Normally closed + emergency						
E2S28A	Normally open						

Optional, coils C22 and connectors CN

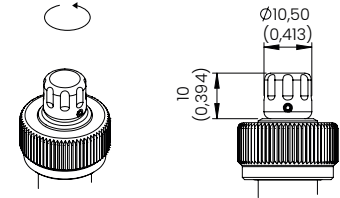
E6S30 SOLENOID VALVE SAE 8/3



SOLENOID VALVE 3 WAYS 2 POSITIONS, DIRECT ACTING POOL TYPE

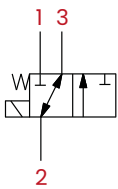


Emergency

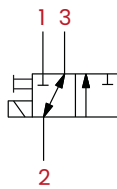


mm
[Inches]

HYDRAULIC CIRCUIT



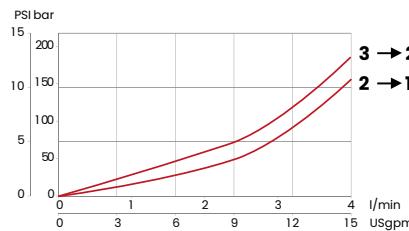
E6S30A
Standard



E6S30E
With emergency

PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

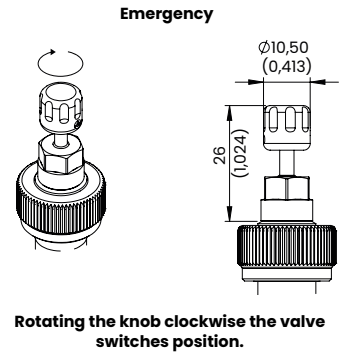
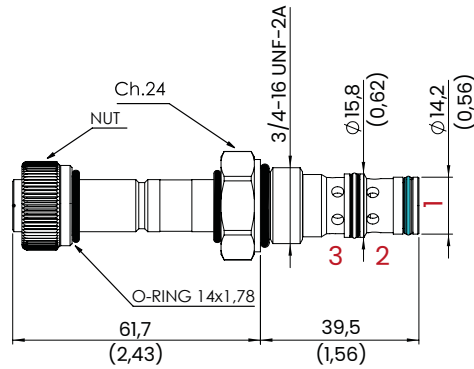
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E6S30A	Standard	SAE 8/3	12 [3,2]	210 [3045]	30 [22]	2 [1,5]	0,15 [0,33]
E6S30E	With emergency						

Optional, coils C22 and connectors CN

E6S31 SOLENOID VALVE SAE 8/3

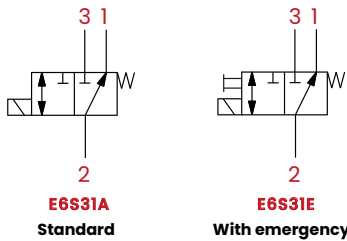


SOLENOID VALVE 3 WAYS 2 POSITIONS, DIRECT ACTING POOL TYPE



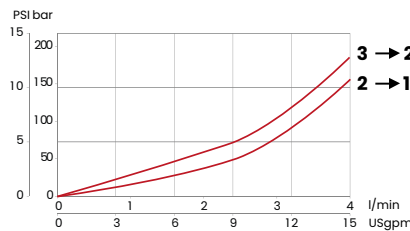
mm
[Inches]

HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

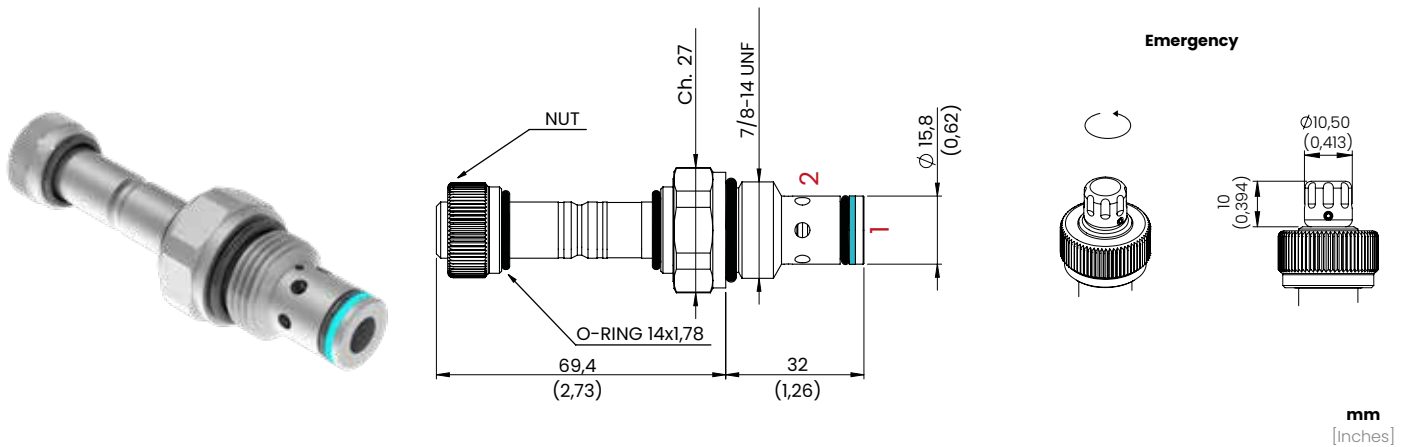
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E6S31A	Standard	SAE 8/3	12 [3,2]	210 [3045]	30 [22]	2 [1,5]	0,15 [0,33]
E6S31E	With emergency						

Optional, coils C22 and connectors CN

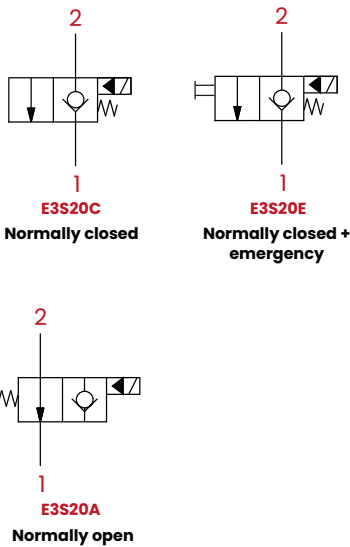
E3S20 SOLENOID VALVE SAE 10/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

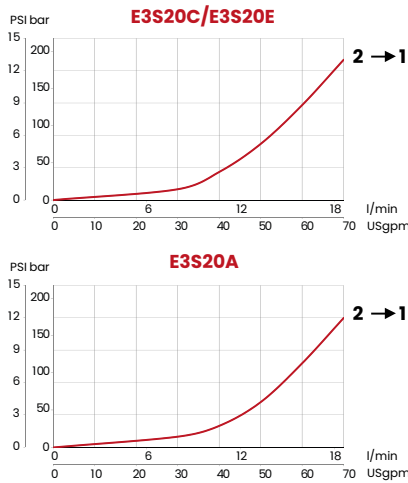


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

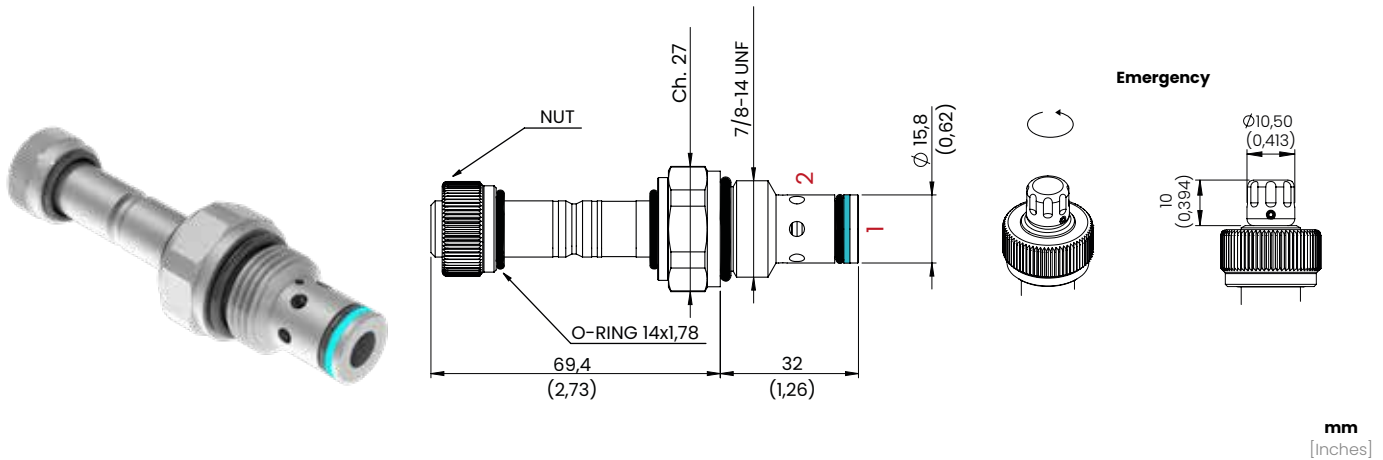
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E3S20C	Normally closed	SAE 10/2	70 [18,7]	350 [5076]	40 [29,5]	2 [1,5]	0,19 [0,42]
E3S20E	Normally closed + emergency						
E3S20A	Normally open						

Optional, coils C22 and connectors CN

E3S22 SOLENOID VALVE SAE 10/2

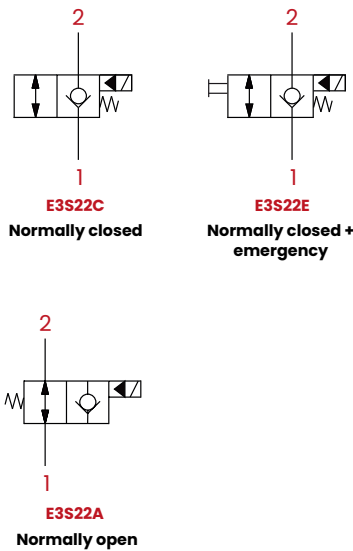


SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED



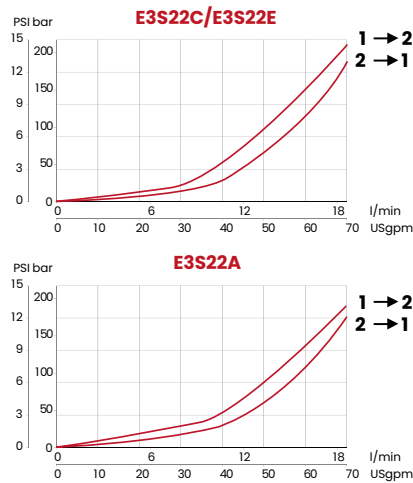
mm
[Inches]

HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

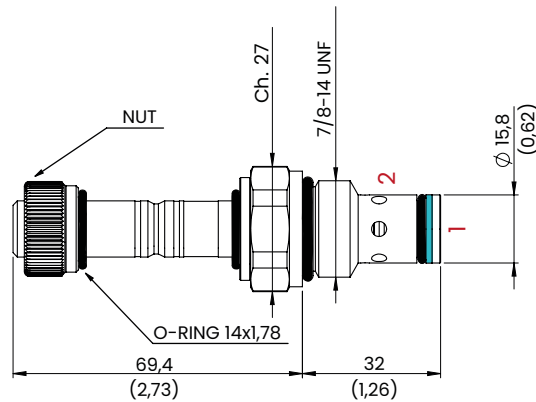
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E3S22C	Normally closed	SAE 10/2	70 [18,7]	350 [5076]	40 [29,5]	2 [1,5]	0,19 [0,42]
E3S22E	Normally closed + emergency						
E3S22A	Normally open						

Optional, coils C22 and connectors CN

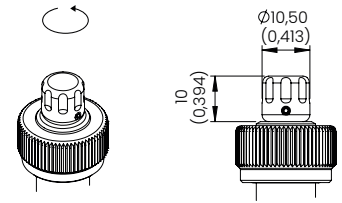
E3S24 SOLENOID VALVE SAE 10/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

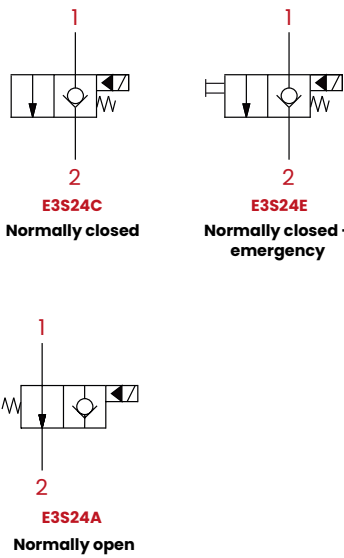


Emergency



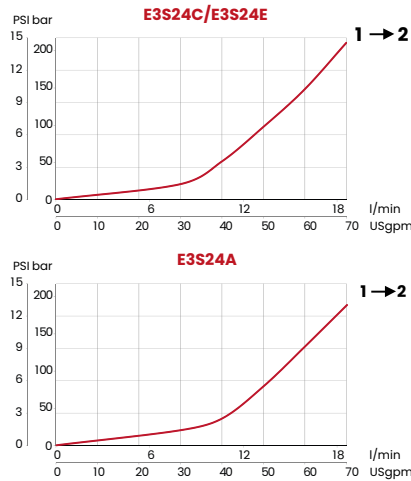
mm
[Inches]

HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

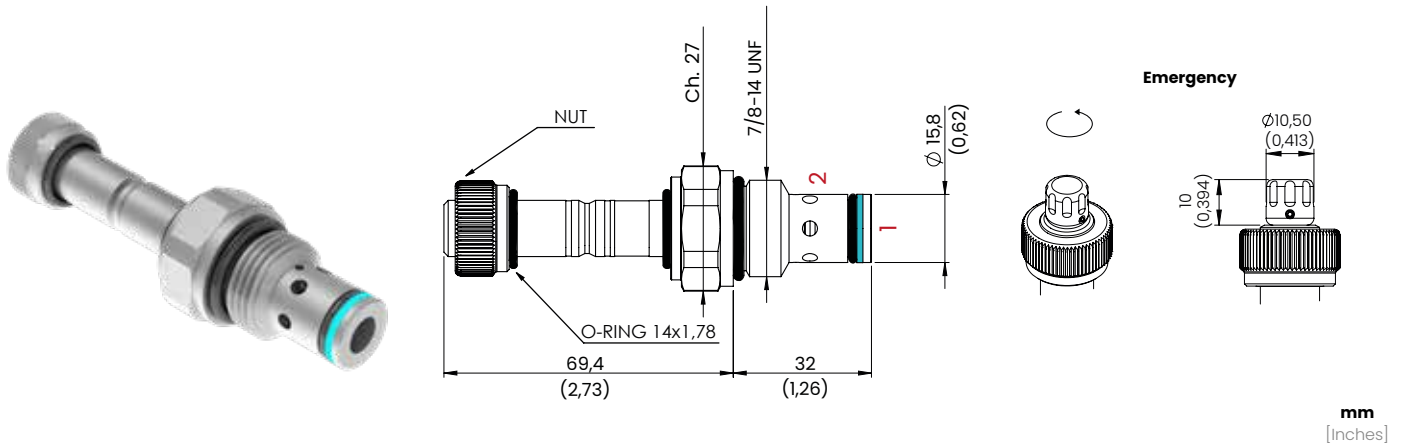
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E3S24C	Normally closed	SAE 10/2	70 [18,7]	350 [5076]	40 [29,5]	2 [1,5]	0,19 [0,42]
E3S24E	Normally closed + emergency						
E3S24A	Normally open						

Optional, coils C22 and connectors CN

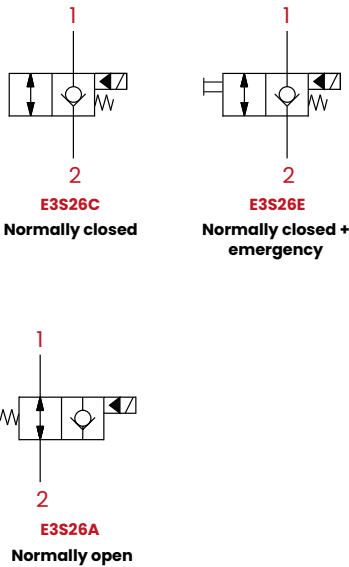
E3S26 SOLENOID VALVE SAE 10/2



SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED

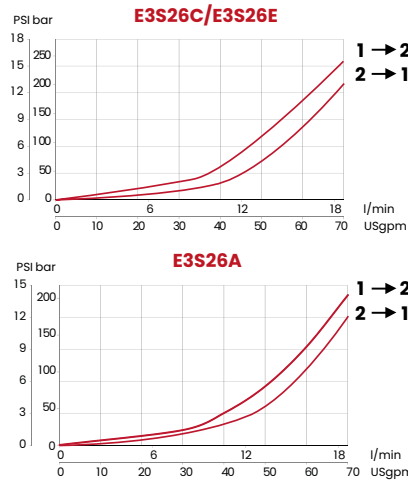


HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

ORDERING CODE

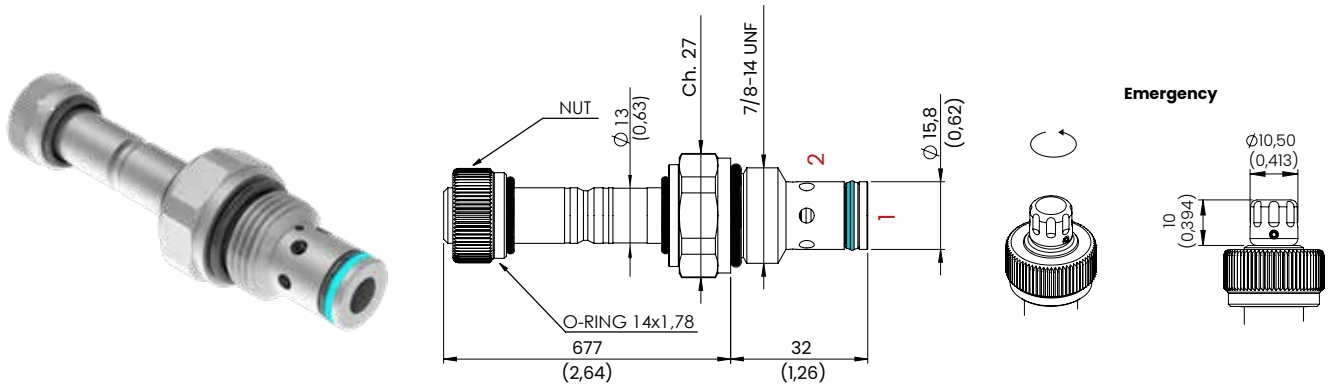
ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E3S26C	Normally closed	SAE 10/2	70 [18,7]	350 [5076]	40 [29,5]	2 [1,5]	0,19 [0,42]
E3S26E	Normally closed + emergency						
E3S26A	Normally open						

Optional, coils C22 and connectors CN

E3S28 SOLENOID VALVE SAE 10/2

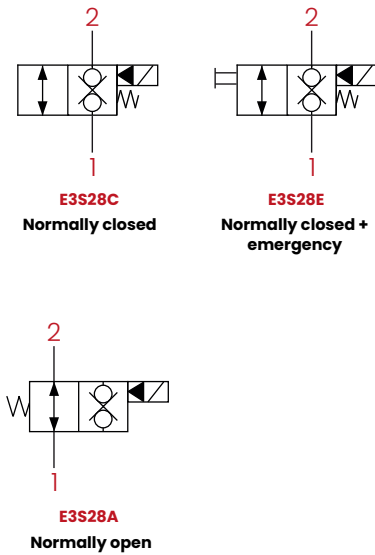


SOLENOID VALVE 2 WAYS 2 POSITIONS, POPPET PILOT OPERATED



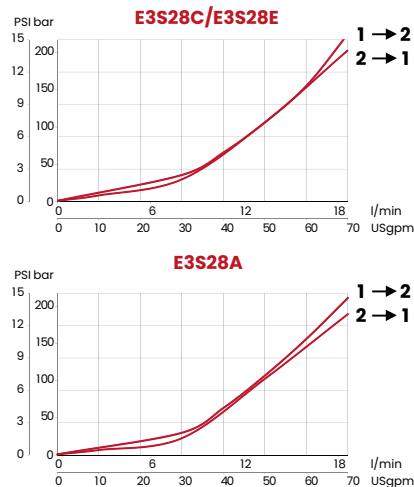
mm
[Inches]

HYDRAULIC CIRCUIT



PERFORMANCES

Tests carried out with solenoids at their working temperature, with a supply voltage 10% below the nominal value.



ELECTRIC

TYPE VOLTAGE	DC
INSULATION INDEX	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20°C°	22W
ED*	100% with temperature -20 C° + 40 C°
COIL CODE	C22
*For temperature or special conditions contact our sales department	

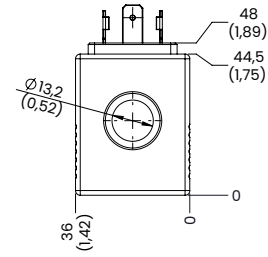
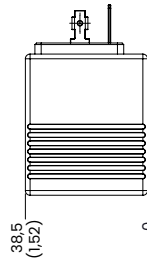
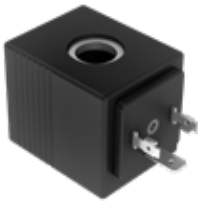
ORDERING CODE

ORDERING CODE	VERSIONS	CAVITY	MAX FLOW l/min USgpm	MAX WORKING PRESSURE bar PSI	CH 24 TIGHTENING TORQUE Nm lbt ft	TIGHTENING TORQUE NUT Nm lbt ft	WEIGHT kg lbt
E3S28C	Normally closed	SAE 10/2	70 [18,7]	350 [5076]	40 [29,5]	2 [1,5]	0,19 [0,42]
E3S28E	Normally closed + emergency						
E3S28A	Normally open						

Optional, coils C22 and connectors CN

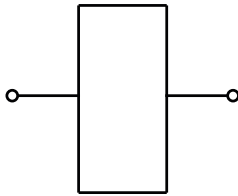
C22 COILS

22W COILS



mm
[Inches]

HYDRAULIC CIRCUIT



ELECTRIC

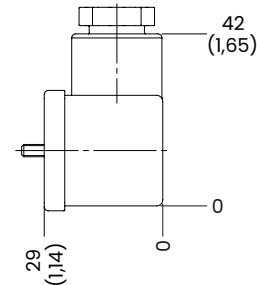
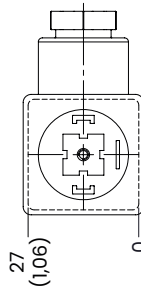
Protection class with std.connector DIN	IP 65
INSULATION INDEX	H
Wire insulation class	H
NOMINAL VOLTAGE	+/- 10%
POWER AT 20C°	22W
ED*	100% with temperature -20 C° + 40 C°
*For temperature or special conditions contact our sales department	

ORDERING CODE

ORDERING CODE	VOLTAGE	RESISTANCE	MATCHING CONNECTOR	ABSORBED POWER	TIGHTENING TORQUE Nm lbt ft	WEIGHT kg lbt
C2212	12Vdc	6,5 Ω	CNS [DIN 43650]	22 W	2 [1,5]	0,21 [0,46]
C2224	24Vdc	26,5 Ω				

CNS CONNECTORS

CONNECTORS



mm
[Inches]

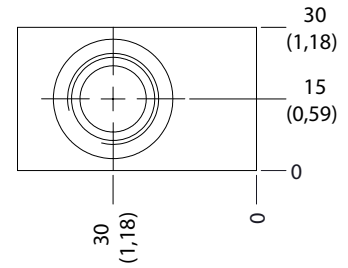
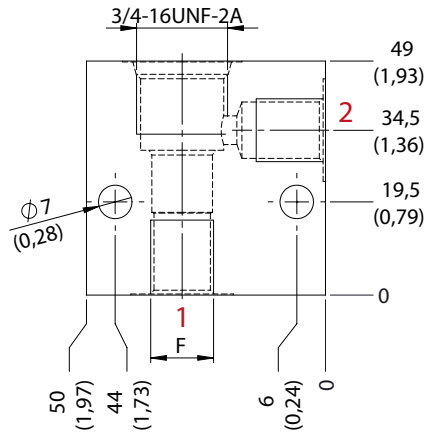
ORDERING CODE

ORDERING CODE	NOMINAL CURRENT	MAX OPERATING CURRENT	CONTACT RESISTANCE	MAX CONDUCTORS CROSS-SECTION	CONTACT HOLDER	GAND SIZE OPTIONS
CNS	10 A	16 A	≤ 4m Ohm	1,5 mm ²	PA (+G)	PgII

CABLE DIAMETER	PROTECTION CLASS	ISULATION CLASS	SEALING MATERIAL	OPERATING TEMPERATURE	WEIGHT kg lbt
6-8 mm	IP 65 EN 60529	VDE 0110-1/89	NBR	-40° +90°	0,020 [0,044]

MANIFOLDS

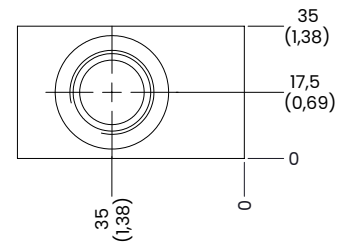
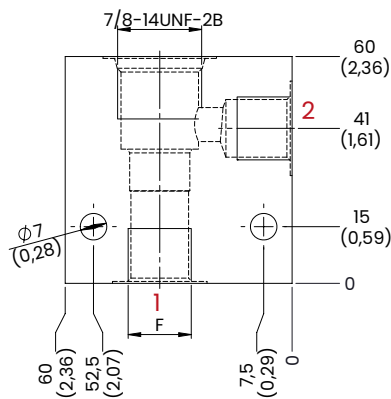
MANIFOLDS



mm
[Inches]

ORDERING CODE

ORDERING CODE	F	CAVITY	MAX WORKING PRESSURE bar PSI	WEIGHT kg lbt
31100042	1/4 BSPP	SAE8/2	350 [5076]	0,48 [1,06]
31100043	3/8 BSPP			0,45 [1,99]



mm
[Inches]

ORDERING CODE

ORDERING CODE	F	CAVITY	MAX WORKING PRESSURE bar PSI	WEIGHT kg lbt
31100287	3/8 BSPP	SAE10/2	210 [3045]	0,29 [0,64]
31100288	1/2 BSPP			