

# Electric valve

## E13N-29

Solenoid valve 2 ways 2 positions, pilot poppet operated, normally open.



### Description

Cartridge valve on/off electric valve designed to hold the load or block flow in application where low leakage is requested at high pressure.

### Operation mode

COIL NOT POWERED: when is not energized the coil, the valve allow flow in both directions. From 2 to 1 and 1 to 2.

COIL POWERED: when is energized the coil, this valve block flow in both directions. From 2 to 1 and 1 to 2 causing close position.

### GENERAL DATA

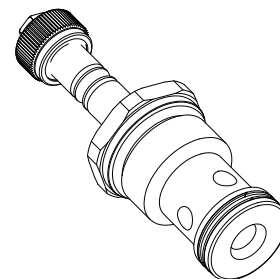
Weight without coil: 0,38 Kg (0,84 lbs).

Ambient temperature range: -30 C° a 60 C° with standard seals (NBR).

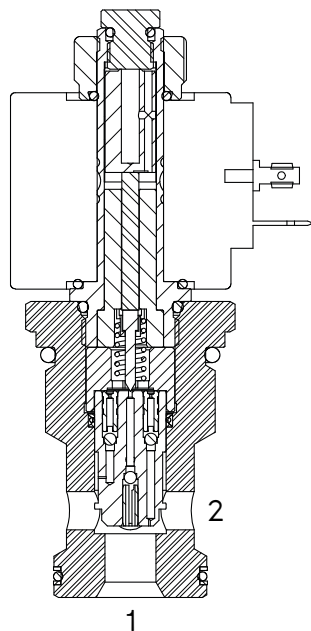
Max. proof pressure: 420 bar (6.090 psi).

Flow Max: 150 l/min (40 gpm).

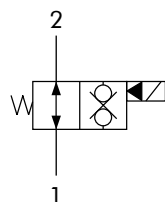
Cartridge materials: high strength steel, internal parts hardened and ground.



### Drawing



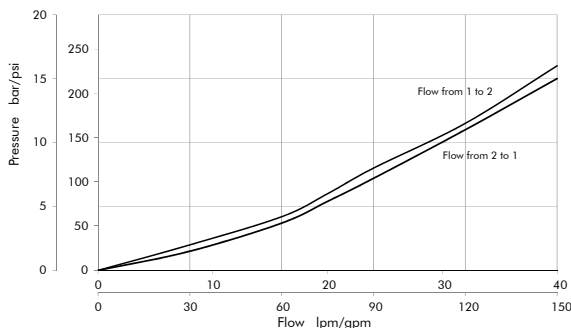
### Hydraulic symbol



TECHNICAL DATA	
<b>HYDRAULIC</b>	
Max. working pressure:	350 bar (5.075 psi)
Flow rate:	min 5 l/min (13 gpm) max 150 l/min (40 gpm)
Fluid:	Mineral based oil
Viscosity:	From 15cSt to 250 cSt
Leakage:	0,25 cc/min (5 drops/min) P max. 350 bar (5.075 psi)
Standard seals:	O-ring NBR Back up ring PTFE
Cavity:	GCZ1320
Installation torque:	80 N/m
Coil nut torque:	2 N/m
Max contamination level:	NAS 8 ISO 4406 19/17/14
Fluid temperature range:	From -20 to +80 C°
Fatigue cycle life:	1.000.000 cycle at 350 bar
Seal kit std.:	K132N00
<b>ELECTRIC</b>	
Type of voltage:	DC
Insulation index:	H
Nominal voltage:	+/- 10 %
Power at 20 C°:	22 W
ED*:	100% with ambient temperature range -20 C° +40 C°
Coil code: (see page 9.012)	S130-22P

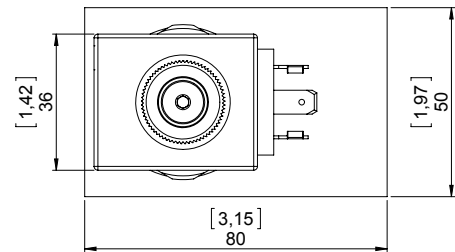
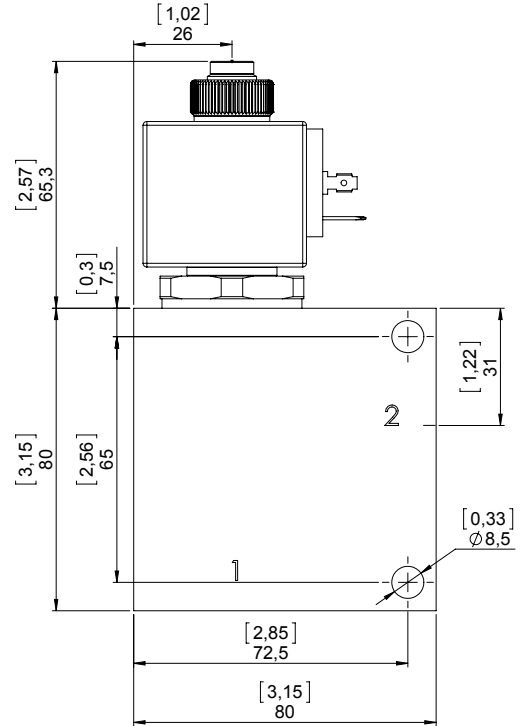
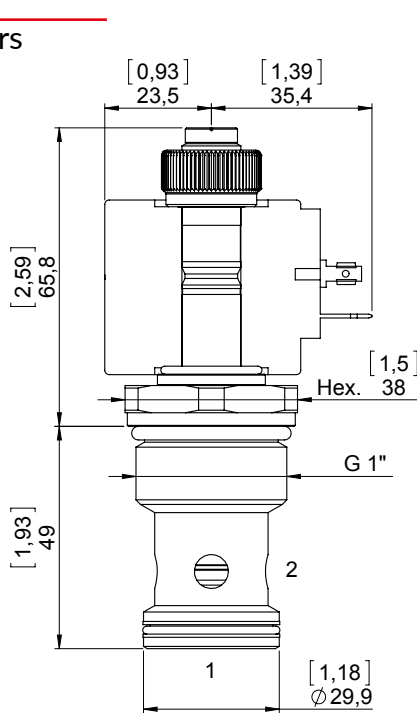
### Pressure drop

Oil viscosity: 32cSt/200 Fluid temperature: 40° C



\*Note: For temperature or special conditions contact our sales department.

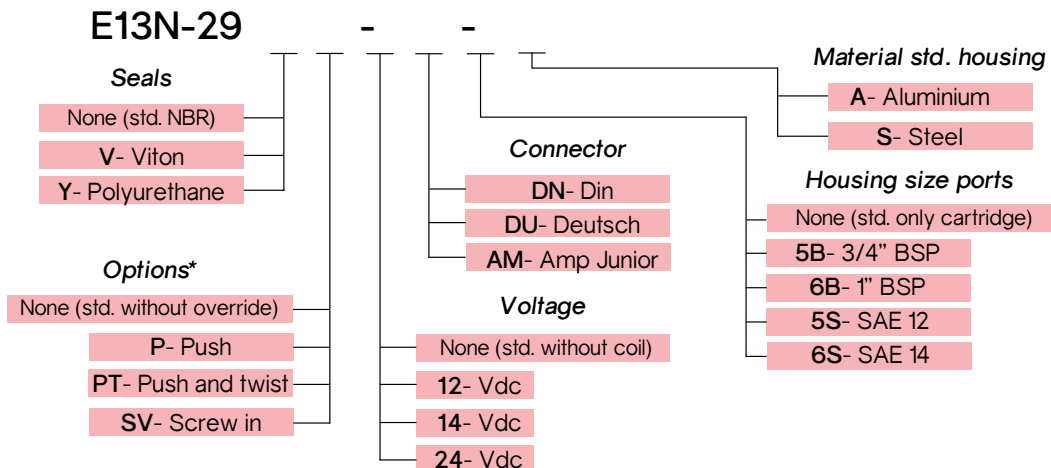
Inches  
Millimeters



STANDARD HOUSING	
Ordering code:	See page 9.165
Material*:	Aluminium/Steel Max working pressure for aluminum body: 210 bar Max working pressure for steel body: 350 bar

\*Note: To correctly select the material, in relation to application, see page S.023.

## Ordering code



\*Note: Information about manual override is available at page S.011