



3.6

36EN16-20 TYPE

Proportion Throttle

Rated pressure (bar / psi)	250 / 3625
Peak flow (L/min / gpm)	265 / 70

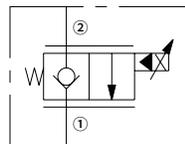
Features

- Efficient wet-armature construction
- Optional waterproof E-Coils rated up to IP69K
- Industry common cavity
- Continuous-duty rated coils
- Manual override options

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Symbol



Description

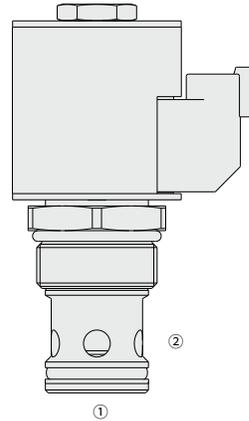
A proportional solenoid-operated, 2-way, poppet-type, normally closed, screw-in hydraulic cartridge valve for low-leakage blocking and load-holding applications.

Operation

When de-energized, the valve acts as a check valve, allowing flow from ① to ②, and blocking flow from ② to ①.

When energized, the ② to ① flow path opens. Flow is proportional to current applied to the coil.

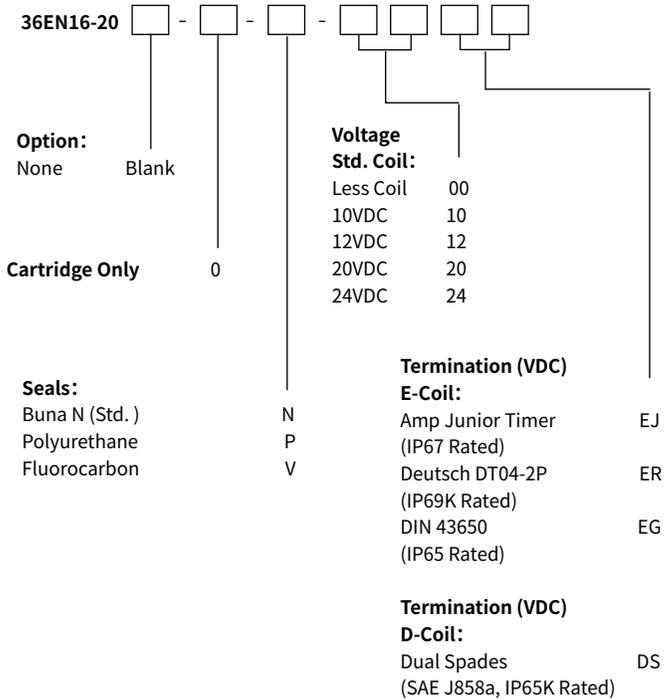
Note: If low voltage is expected on the machine, 12 or 24 volt systems will require the use of 10 volt or 20 volt coils respectively.



Technical Data

Rated pressure	250 bar (3625 psi)
Rated flow	265 L/min (70 gpm) ; See performance curves
Dither/Pulse frequency	100 - 400 Hz
Hysteresis	Less than 5% below 60% of I-max.; Less than 10% above 60% of I-max
Maximum control current	1.2 amps
Cavity	VC16-2 (See technical reference)
Internal leakage	≤ 5 drops/min @ 250 bar
Fluid	Mineral-based or synthetics with lubricating properties
Viscosity range	7.4 to 420 mm ² /s
Temperature range	-40 to 100 °C (Buna N seals)
	-54 to 107 °C (Polyurethane seals)
	-26 to 204 °C (Fluorocarbon seals)
Degree of fluid contamination	The minimum pollution level is ISO4406 level 18/16/13, and level 15/13/11 is recommended to prolong the service life

Ordering Code



Materials

Cartridge:

Weight: 0.32 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N (Std.) seal.

Standard Ported Body:

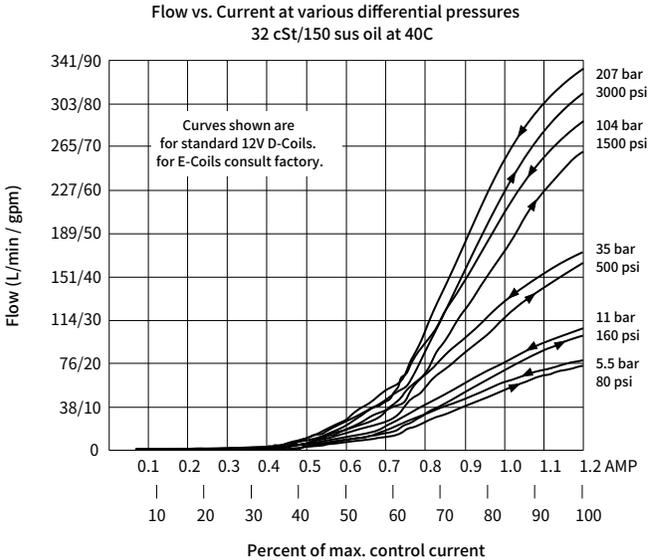
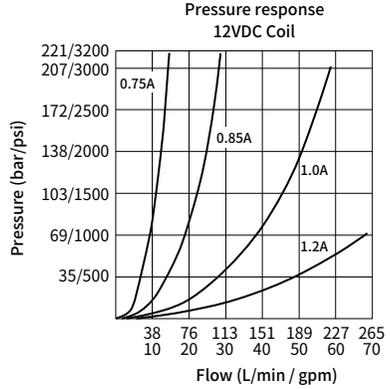
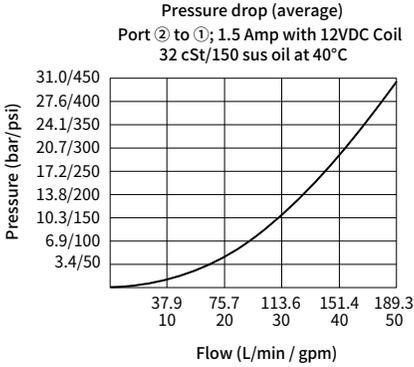
Anodized high-strength aluminum alloy, rated to 240 bar; Ductile iron and steel bodies available; Dimensions may differ, consult factory.

Standard Coil: Consult factory.

E-Coil:

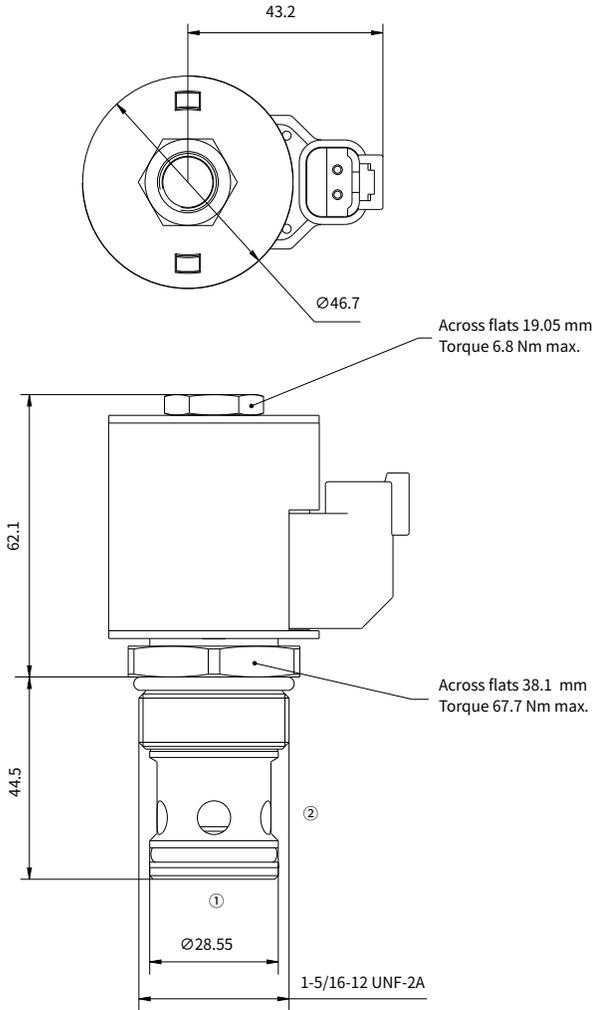
Weight: 0.41 kg; Perfect wound, fully encapsulated with rugged external metal shell; Rated up to IP69K with Deutsch sockets.

Characteristic curves



Dimensions

(Dimensions in mm)



02

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