

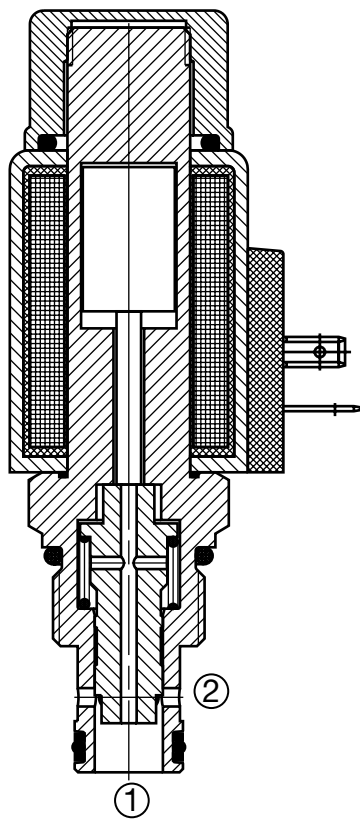
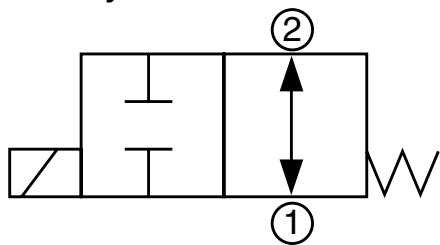
# SOLENOID VALVES

## WK10V-01

Spool Type, Normally Open, Direct Acting

Up to 9 gpm (35 l/min) • 5000 psi (350 bar)

### Hydraulic Symbol



### Description

A screw-in cartridge, solenoid operated, 2-way, 2 position, normally open, direct acting, spool type, intended for use as a bi-directional flow blocking valve.

### Operation

When de-energized the WK10V allows bi-directional flow. When energized the spool shifts and blocks flow in both directions.

**Operation of Manual Override Option:** To override, push and hold the override button. The override is not detented. The manual override option is intended for emergency use, not for continuous duty operation.

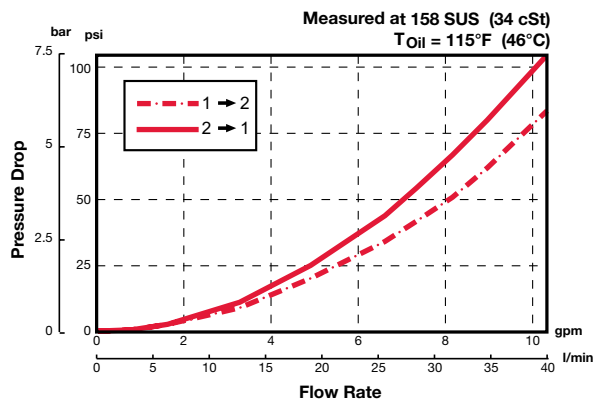
### Features

- Push type manual override button, protected by rubber cap

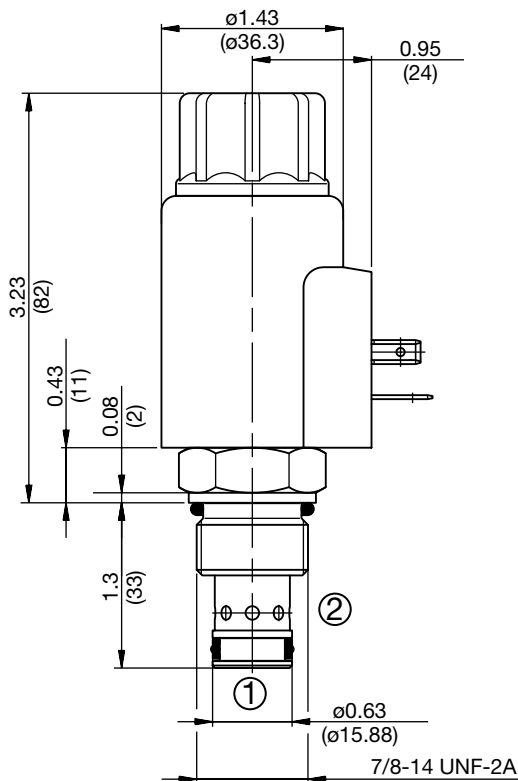
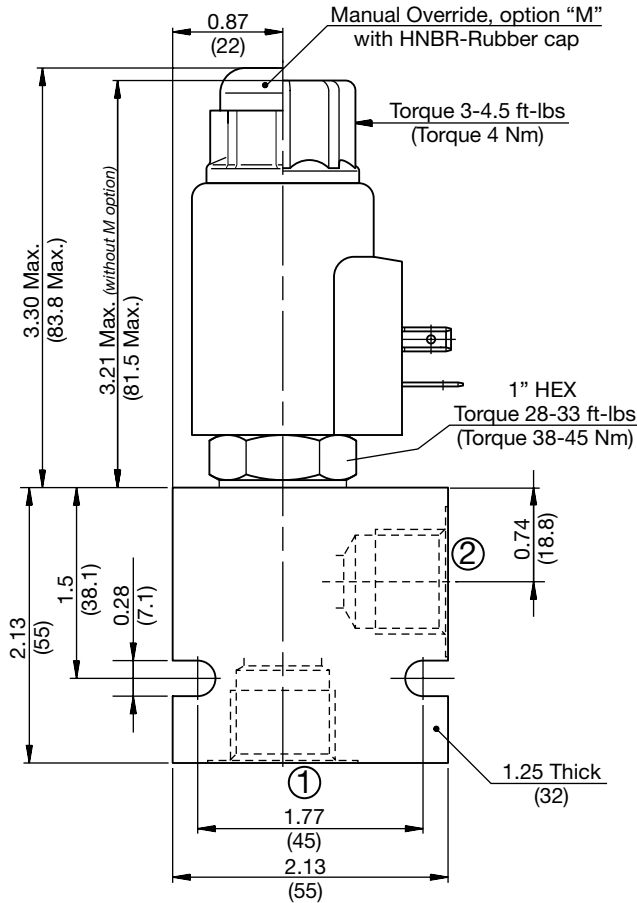
### Specifications

Operating Pressure	5000 psi (350 bar)
Nominal Flow	9 gpm (35 l/min)
Internal Leakage	7.3 cu in/min. at 3600 psi and 158 SUS (120 cc/min at 250 bar and 34 cSt)
Fluid Operating Temp. Range	-4° to 248°F (-20° to 120°C) <i>(Consult factory for usage at temp. outside range.)</i>
Ambient Temperature Range	-4° to 140°F (-20° to 60°C)
Coil Duty Rating	Continuous from 85% to 115% of nominal voltage
Current Draw @ 68°F (20°C)	2.22 A at 12VDC; 1.13 A at 24VDC
Min. Pull-in Voltage @ 68°F (20°C)	85% of nominal @ 5000 psi (350 bar)
Fluid Compatibility	Mineral-based or synthetics with lubricating properties
Viscosity	50 to 2000 SUS (7.4 to 420 cSt)
Filtration	21/19/16 or cleaner (per ISO 4406). Use with filter rated $\beta_{10} \geq 200$ .
Installation	No orientation restrictions
Cavity	FC10-2 (see <i>Line Bodies &amp; Cavities</i> section)
Cavity Tools	Rougher: 02580274 Finisher: 02580247
Cartridge Weight	0.48 Lbs. (0.22 kg)
Coil Weight	0.51 Lbs. (0.23 kg)
Cartridge Material	Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N or Viton® o-rings. PTFE back-up rings.
Coil Material	Class N high temperature magnet wire, steel shell, polyamid encapsulation.
Seal Kits	Buna-N FS102-N P/N: 03033872 Viton® FS102-V P/N: 03051757

### Performance



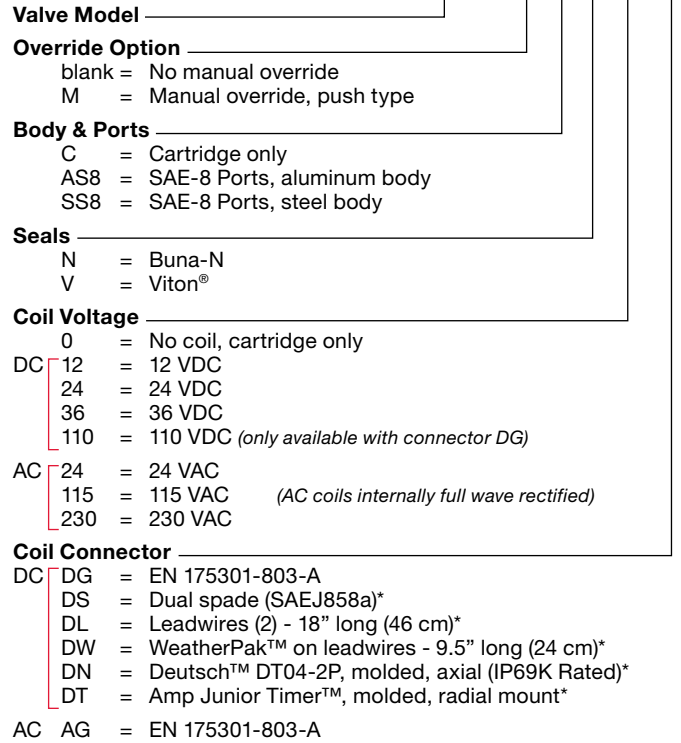
## Dimensions



All measurements in inches (mm).  
Subject to technical modifications

## Model Code

**WK10V-01 M-C-N-24 DN**



## Coil Model 50-1836

For other coil connector types consult factory

\*Coils with internal diode are available, consult factory.

## Standard Line Bodies\*

Code	Part No	Material	Pressure Rating	Weight
FH102-AS8	03037778	Aluminum, anodized	3500 psi (245 bar)	0.40 lbs (0.18 kg)
FH102-SS8	03037612	Steel, Zinc plated	6000 psi (420 bar)	1.16 lbs (0.53 kg)

\*Please refer to Line Bodies & Cavities section for details