

# UNIVERSAL DC SOLENOID AND VALVES

## S-305DC SOLENOID

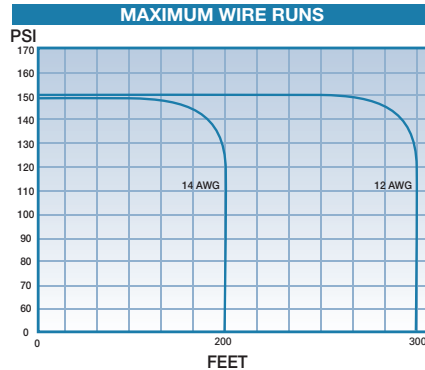
DIG's Unimax solenoid is a two-way magnetic latching solenoid designed for use with the LEIT-2 and 710 battery operated controllers on various brand name valves using DIG's assortment of threaded adapters. The S-305 can also operate with various 2-wire DC controllers available on the market to a distance of up to 200 ft using 14 AWG wire. The S-305 uses a sealed plastic over-molding to prevent water or contaminants from entering the solenoid housing. The normal actuation of the S-305 is via a bi-directional pulse.

### Features:

- Adaptable to a wide range of valves using our valve adapters
- Sealed plastic over molding technique for waterproof construction
- Encapsulated plunger and spring for reliable operation
- Internal bleed and manual override for manual ON/OFF

## SPECIFICATIONS

- Weight Without Adapter and Handle: 4.0 oz (113 g)
- Total Weight: 4.23 Oz (120 g)
- Solenoid Thread: 11/16"-12 UN
- Operating Pressure: 10-150 PSI (.7-10.5 BAR)
- Control Orifice: 0.62" +/- 0.001 (1.6 mm)
- Temperature Range: 32-170°F (0-77°C)



### Materials:

- Solenoid Housing Over Mold: Nylon
- Solenoid Housing Base: Nylon
- Inside Housing Stainless Steel Part: 430F
- Plunger Rubber Cap: EPDM
- O-ring: Buna-N

### Dimensions:

- Diameter: 1.206" (max) (3.6 cm)
- Overall length: 2.330" (6 cm) without adapter, 2.735 (7 cm) with adapter

## ELECTRICAL SPECIFICATIONS

- Two-way Magnetic Latching, Normally Closed, Bi-Directional Pulse
- Coil Operating Data:
  - Coil Resistance 5 +/- 0.03  $\Omega$ , Minimum Pulse 10 mS Duration at 6-9 Volts
  - Red + and White – To Latch Open
  - Red – and White + To Latch Closed
- Leads: 18" (45 cm) Red/White.



### ORDERING INFORMATION

Model	Description
S-305DC	DC Solenoid with internal bleed and manual override 6-9 volt DC

## VALVE ADAPTERS

### Features:

- Available to fit on a wide range of plastic or brass valves
- Made of durable plastic

### Materials:

- Adapter: Nylon
- O-ring: Buna N
- Sleeve: Poly



### ORDERING INFORMATION

Model	Description
30-920	Solenoid plastic adapter for BERMAD series 200, HIT series 500, DOROT series 80, GRISWOLD series 2000, DW and BUCKNER series VB valves
30-921	Solenoid plastic adapter for RAIN BIRD DV, DVF, PGA, PEB (3/4" and 1" only), GB, EFB-CP, BPE, PESB (3/4" and 1" only) and ASVF valves
30-922	Solenoid plastic adapter for HUNTER series ASV, HPV, ICV, PGV, SRV, IBV and ASVF valves
30-923	Solenoid plastic adapter for WEATHERMATIC series 12000, 21000 valves
30-924	Solenoid plastic adapter for IRRITROL series 100, 200B, 205, 217B, 700, 2400, 2500, 2600 and TORO series 220, P220 valves
30-925	Solenoid plastic adapter for SUPERIOR series 950, HUNTER HBV and TORO series 252 valves (1.5" and larger)
30-926	Solenoid plastic adapter for RAIN BIRD series PEB and PESB (1 1/2" and 2" only) valves