

D03/HP03 EXPLOSION PROOF VALVES

OIL & GAS APPLICATIONS

Ideal for environments including gas and dust atmospheres present in petroleum exploration and production, chemical processing, and refineries.

- **Flows to:**
15 gpm (57 L/min) stand alone
165 gpm (625 L/min) as pilot for larger 2-stage valves
- **Pressure:**
D03 – 5000 psi (350 bar)
HP03 – 10 000 psi (700 bar)
- **AC and DC options (120 VAC, 24 VDC)**
- **Global certifications — NEC 500, NEC 505, CEC/CSA, ATEX, IECEx**
- **Water and dust ingress rating IP66, NEMA 4X**
- **T4 temperature classification**
- **Zinc-nickel electroplating corrosion protection exceeds AMS 2417**
- **RoHS compliant**



EXPLOSION PROOF SOLENOID RATINGS

Location	Governing Standard	Gas Ratings	Dust Ratings ^①
USA	NEC 500	Class I (Division 1) Group A, B, C, D, T4	Class II & III (Division 1) Group E, F, G, T4
<i>Safety ratings in the US are governed under the National Electrical Code (NEC). There are two separate classification systems (NEC 500 and NEC 505). To ensure universal acceptance, MSA HAZ-LOC coils have been approved under both systems.</i>			
USA	NEC 505	Class I (Zone 1) AEx d IIC T4 Gb	Class II (Zone 21) AEx tb IIIC T4 Db
<i>Mandatory for Gulf of Mexico Class and Zone Rating. Most International markets require recognition under the International Electrotechnical Committee (IEC) Ex scheme.</i>			
Canada	CEC/CSA	Ex d IIC T4 Gb (Zone 1)	Ex tb IIIC T4 Db (Zone 21)
<i>Canadian safety ratings are regulated by the Canadian Electrical Code (CEC), closely following the US-NEC Standards. Similar to NEC 500, NEC 505 and ATEX Gas and Dust ratings.</i>			
Europe	ATEX	Ex II 2 G EX d IIC T4 Gb (Zone 1)	Ex II 2 D EX tb IIIC T4 Db (Zone 21)
<i>Similar to NEC 505 Gas and Dust ratings.</i>			
International	IECEX	Ex d IIC T4 Gb (Zone 1)	Ex tb IIIC T4 Db (Zone 21)
<i>Similar to ATEX Gas and Dust ratings.</i>			

① Consult Dynex Sales for Dust Rated solenoid availability.

RECOGNIZED
COMPONENT

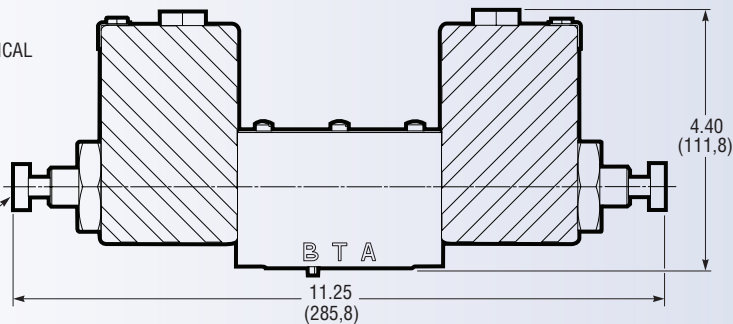
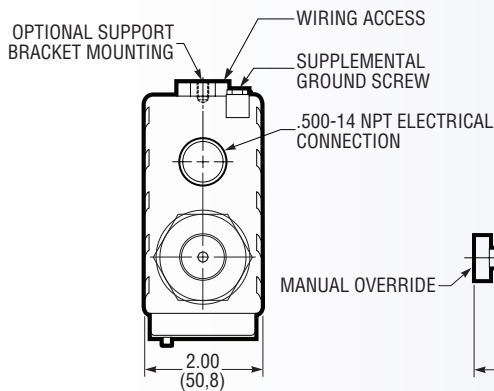
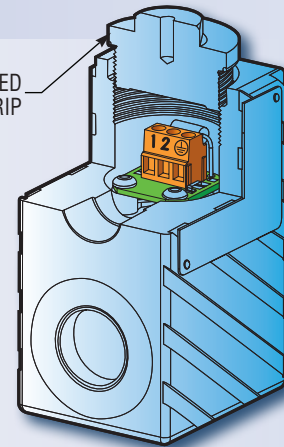


Intertek
5010058

“EP” solenoids with special enclosures are approved by UL and CSA for use in hazardous locations.

Conforms to ANSI/ISA STD 60079-31, UL STDS 1203, 50, 50E, 60079-0 & 60079-1. Certified to CAN/CSA STD C22.2 Nos. 30, 25, 0.4, 0.5, 60079-0, 60079-1 & 60079-31.

LARGE, ENVIRONMENTALLY SEALED
ACCESS TO TERMINAL STRIP



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