

World Solenoids

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General Description

The World Solenoid is a Versa designed family of electrical operators created specifically to meet the requirements of world certification agencies: ATEX, IEC, INMETRO (Brazil), TR _ CU (Russia), NEPSI (China), KC (Korea), PESO (India), TS (Taiwan) and North American certifications.

World Solenoids are compact stainless steel housed solenoids with integral junction box or 24" wire leads. The Solenoid operators are low watt, Class H, epoxy molded coils and rated for continuous duty. Standard Ingress protection exceeds NEMA 4X and IP68.

Engineered and manufactured in Paramus, New Jersey, the World Solenoids are available on our direct acting E4 Series or any of our high flow, bubbletight, solenoid pilot spool valves, such as our C-316 and V-316 Series stainless steel or V Series brass.



Media:	Pneumatic and Hydraulic*
Pressure:	To 200 PSI*
Wattage:	Standard 1.8 watt Optional 0.85 watt and 0.5 watt
Materials of Construction:	
Housing:	Stainless steel
Wetted Parts:	Stainless steel
Elastomers:	FKM (other seals available)
Coil / Duty:	Class H, 180°C, Epoxy molded coils rated for continuous duty
Ingress Protection:	NEMA 4X, 6P, & IP68

*Final specifications based on valve series

Temperature:	-4°F to 194°F (-20°C to 90°C)* (lower temp ratings available)
Voltages:	DC; 12, 24, 48, 120 AC/60 HZ; 120, 240 AC/50 HZ; 110, 220 (For other voltages contact factory)
Electrical Connection:	Junction Box or 24" wire leads (other lengths available)
Conduit connection:	M20 or ½" female NPT
Classification:	See charts on back

World Solenoids



-XDBS -XDBT

		XDBS M 20 Connection	XDBT 1/2" NPT Connection
	North America NEC 500	NA	CI I, Div 1, Groups B,C,D T* CI II, Div 1, Groups E,F,G CI III IP 66 NEMA 4X, 6P
	North America NEC 505	CI I Zone 1 A/Ex d e IIC T* CI II Zone 21 Aex tD 21 T**C IP66 CI III DIP A21 IP66 T** C IP66 NEMA 4X, 6P	CI I Zone 1 A/Ex d e IIC T* CI II Zone 21 Aex tD 21 T**C IP66 CI III DIP A21 IP66 T** C IP66 NEMA 4X, 6P
		ATEX IEC	Ex d e T* Gb EX tb IIIC T* Db IP 66/67/68



XDBS/T

Suffix Detail Ordering Code*

	M 20 Connection		1/2" Connection	
	No Diode	Diode	No Diode	Diode
Standard (vent to atmosphere)	XDBS1	XDBS5	XDBT1	XDBT5
1/8" Adapter (-H2E)	XDBS2	XDBS6	XDBT2	XDBT6
1/4" Adapter (-HE)	XDBS3	XDBS7	XDBT3	XDBT7
Dust Nut (-L14)	XDBS4	XDBS8	XDBT4	XDBT8
Water proof nut (-D14)	XDBS9	XDBS10	XDBT9	XDBT10

*1.8 Watt part numbers shown. For 0.85 Watt add Letter "C" to end of part number (e.g. -XDBS1C), for 0.5 Watt add "D" (e.g. -XDBS1D)

-XV -XT

		XV 1/2" NPT Connection	XT 1/2" NPT Connection
	North America NEC 500	CI I, Div 1, Groups (B,C,D) T* CI II, Div 1, Groups (E, F, G) CI III NEMA 4X, 6P	CI I, Div 1, Groups B,C,D T* CI II, Div 1, Groups E,F,G CI III NEMA 4X, 6P
	North America NEC 505	N/A	CI I Zone 1 A/Ex d e IIC T* CI II Zone 21 AEx tD 21 T**C IP66 CI III DIP A21 IP66 T** C IP66 NEMA 4X, 6P
		ATEX IEC	II 2 G D Ex d IIC T* Gb Ex tb IIIC IP66 T**C Db IP 66/67/68



XV

Suffix Detail Ordering Code

	XV			XT		
	1.8 watt	0.85 watt	0.5 watt	1.8 watt	0.85 watt	0.5 watt
Standard (vent to atmosphere)	-XV1	-XV1C	-XV1D	-XT1	-XT1C	-XT1D
1/8" Adapter (-H2E)	-XV2	-XV2C	-XV2D	-XT2	-XT2C	-XT2D
1/4" Adapter (-HE)	-XV3	-XV3C	-XV3D	-XT3	-XT3C	-XT3D
Dust Nut (-L14)	-XV4	-XV4C	-XV4D	-XT4	-XT4C	-XT4D
Waterproof nut (-D14)	-XV9	-XV9C	-XV9D	-XT9	-XT9C	-XT9D



XT