VZTORQUE™

MULTI-TURN EXPLOSION PROOF ACTUATOR

Features

- Multi-turn operation with unlimited number of turns
- Heavy duty motor with thermal overload protection
- Rugged IP68/NEMA 4X aluminum alloy housing
- C3 level corrosion resistance with powder coated, 1000 hours of salt spray
- CSA Class 1 DIV 1 GRP C and D, T5
- Over Torque Protection Switch
- Standard ISO5211 direct installation
- Manual override with handwheel
- Installation at any angle
- Heater for eliminating condensation
- Fail in Place on Loss of power
  - Fail Safe on loss of 4-20ma signal
- Gears are NOT Self-locking



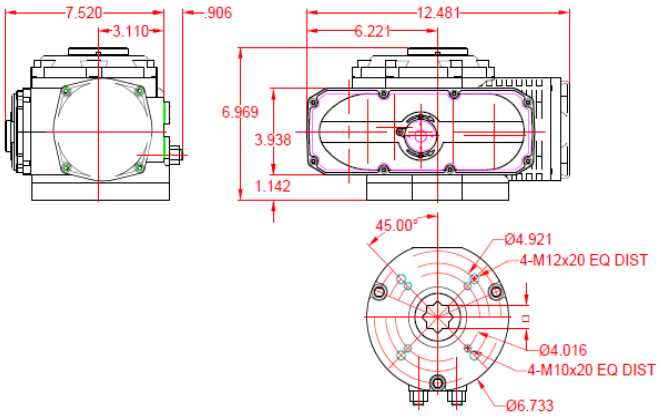
Description

VZT multi-turn electric series actuators are available in 12VDC, 24VDC, 120VAC or 220VAC. When power is lost to the actuator, it will fail in place. The 12VDC, 120VAC and 220VAC require an additional transformer mounted in an Explosion Proof Junction box that is mounted on side of the actuator.

Specifications	VZTM-70-10RPM	VZTM-350-12RPM	VZTM-620-10RPM	VZTM-1500-5RPM
Output Torque [in-lbs]	70	350	620	1500
No Load Stroke Time [sec]	10	12	11	5
Full load Stroke Time [sec]	6	10	8	3
Max Number of Turns	Unlimited	Unlimited	Unlimited	Unlimited
Motor [watts]	113	113	113	113
Power	12VDC, 24VDC, 120VAC or 220VAC			
Rated Current [amps@24VDC]	6.1	5.5	6.7	6.5
Total Weight [lbs]	32	32	32	32
Control Type	On/Off or 4-20 Modulating			
Output Signal	On/Off has Dry Contacts, Modulating has Dry Contacts and 4-20ma			
On/Off Dry Contact Rating	15 amps			
Basic Error/Reciprocating Error	not more than ±1% (Modulating Unit)			
Dead Space	0.5%-5.0% adjustable (Modulating Unit)			
Repeating Error in Actuator	≤1% (Modulating Unit)			
Insulating Resistance	100MΩ/500VDC (Modulating Unit)			
Withstand Voltage Class	1500VAC 1 minute (Modulating Unit)			
Electric Interface	2 x ½" NPT			
Ambient Temperature	-25℃~+55℃			

Specifications	VZTM-2200-4RPM	VZTM-4000-2RPM		
Output Torque [in-lbs]	2,200	4,000		
No Load Stroke Time [sec] DC	3.75	2		
Full load Stroke Time [sec] DC	2	1		
Max Number of Turns	Unlimited	Unlimited		
Motor Watts DC	113	113		
Power	12VDC, 24VDC, 120VAC or 220VAC			
Rated Current [amps@24VDC]	6.5	6.5		
Total Weight [lbs]	32	32		
Control Type	On/Off or 4-20 Modulating			
Output Signal	On/Off has Dry Contacts, Modulating has Dry Contacts and 4-20ma			
On/Off Dry Contact Rating	15 amps			
Basic Error/Reciprocating Error	not more than ±1% (Modulating Unit)			
Dead Space	0.5%-5.0% adjustable (Modulating Unit)			
Repeating Error in Actuator	≤1% (Modulating Unit)			
Insulating Resistance	100MΩ/500VDC (Modulating Unit)			
Withstand Voltage Class	1500VAC 1minute (Modulating Unit)			
Electric Interface	2 x ½" NPT			
Ambient Temperature	-25℃~+55℃			

Dimensional Drawing



	VZT-8850	VZT-13275/26550
Square	□0.866x0.866 □1.063x1.063	□1.063x1.063 □1.417x1.417
Flange	F10 F12	F14 F16
Valve Stem	Length≤2.598	Length≤2.598

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