

ELECTRIC - ACTUATORS

POWER TORQUE SERIES

Torque Range: 133 to 3100 in LBS

NEMA 4/IP66



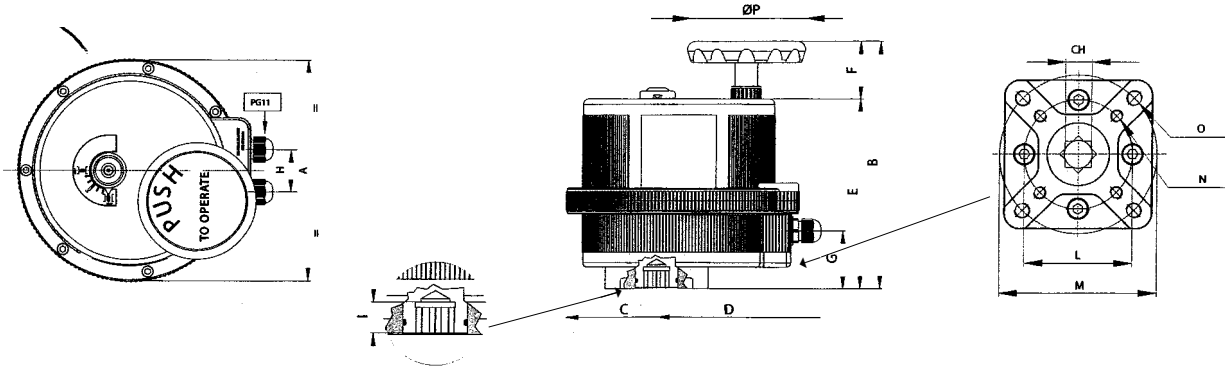
Power Torque Electric Actuators are designed for the automation of quarter-turn valves for the industrial, commercial and OEM markets.

DESIGN FEATURES

- The Actuator housing is made from a V0 self-extinguish Class techno-polymer material.
- The kinematics is made by two steel and techno-polymer gear wheels, sustained by hardened steel pinions, mounted on self-lubricating bushings (excluding Mod. VB015), and inserted in a rugged die-cast aluminium structure.
- The direct connection part of the actuators to the valves, is made via a painted die-cast aluminium plate, with a dual drill ISO5211 interface.
- The electronic circuit automatically adjusts the motor speed, (depending on the mechanical charge variations), to keep the cycle time constant.
- All actuators are provided with an electronic system and torque limiter.
- A standardly furnished heater is activated once the actuator is powered, and when the temperature inside the housing drops below 77°F.
- Two auxiliary limit switches are standard.
- Manual Override & Visual position indicator, standard.
- Optional 4-20 milliamp 0-10 v modulating boards and battery back-up protection are available.

DESIGN & TECHNICAL DATA

POWER TORQUE SERIES

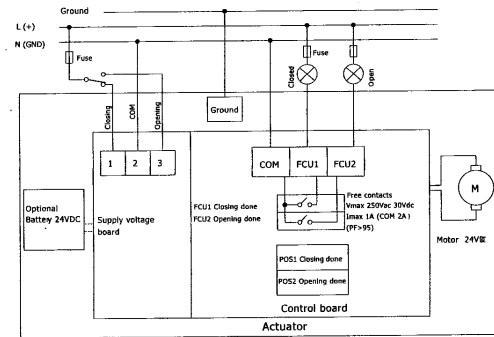


MODEL	DRILLING ISO 5211	CH	A	B	C	D	E	F	G	H	I	L	M	N/O	OUTPUT TORQUE (inlbs)	ØP
VB015	FO3-FO5	0.43	4.84	5.57	1.67	4.74	4.96	0.61	4.35	1.26	0.55	1.42	1.97	10-24 UNC 2BX0.47	133	2.68
VB030	FO3-FO5	0.43	6.18	7.40	2.38	5.12	5.75	1.65	1.30	1.42	0.47	1.42	1.97	10-24 UNC 2BX0.47	266	2.56
VB060	FO5-FO7	0.55	7.28	8.46	2.66	5.77	6.81	1.65	2.01	1.42	0.63	1.97	2.76	1/4-20 UNC 2BX0.59	530	2.56
VB110	FO7-F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	975	4.33
VB190	FO7-F10	0.67	8.31	9.14	3.31	6.02	7.01	2.13	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	1680	4.33
VB270	FO7-F10	0.67	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	2390	4.33
VB350	FO7-F10	0.67	8.74	9.19	3.03	6.69	7.17	2.03	2.13	1.58	0.75	2.76	4.02	5/16-18 UNC 2BX0.79	3100	4.33

Motor Cycle 75% Duty Rating
 Operating Temperature -4°F + 131°F
 Conduit Entry - PG11
 Rotation -180° or 270°
 Two SPDT Limit Switches
 ISO 5211 Mounting
 NEMA 4 Enclosure
 CE - Certified

MODEL	OPERATION TIME	WEIGHT LBS
VB015	25	4
VB030	8	5
VB060	9	8
VB110	27	12
VB190	27	12
VB270	35	14
VB350	35	14

ELECTRIC WIRING VB030 - VB350



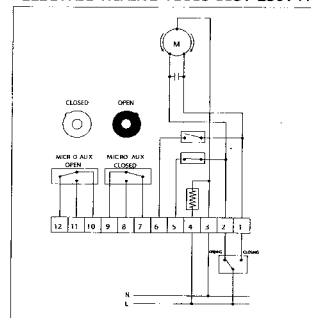
115VAC - 230VAC
AVAILABLE SAME UNIT

12VAC - 12VDC - 24VAC - 24VDC
AVAILABLE SAME UNIT

Battery back up spring return
 Optional Electric fail safe unit

These special actuators are supplied with two limit switches for electrically controlling open and closed positions. A mechanical stop is set for positioning the designated fail positions. The battery back up unit is engaged if the electric power supply fails for at least five seconds.

ELECTRIC WIRING VB015 115V-230V AC



ELECTRIC WIRING VB015 12V-24V AC/DC

