

### Limatorque QX Smart Valve Actuator

**The measure of safety and reliability in the next-generation smart quarter-turn actuator.**

The Limatorque QX quarter-turn, smart electronic valve actuator incorporates the same state of the art non intrusive technology found in the MX multi-turn actuator by including a patent-pending absolute encoder for tracking position without the use of troublesome batteries. The QX design provides enhanced safety and reduced downtime through improved diagnostics, built-in self-test (BIST) features and LimiGard™ fault protection.



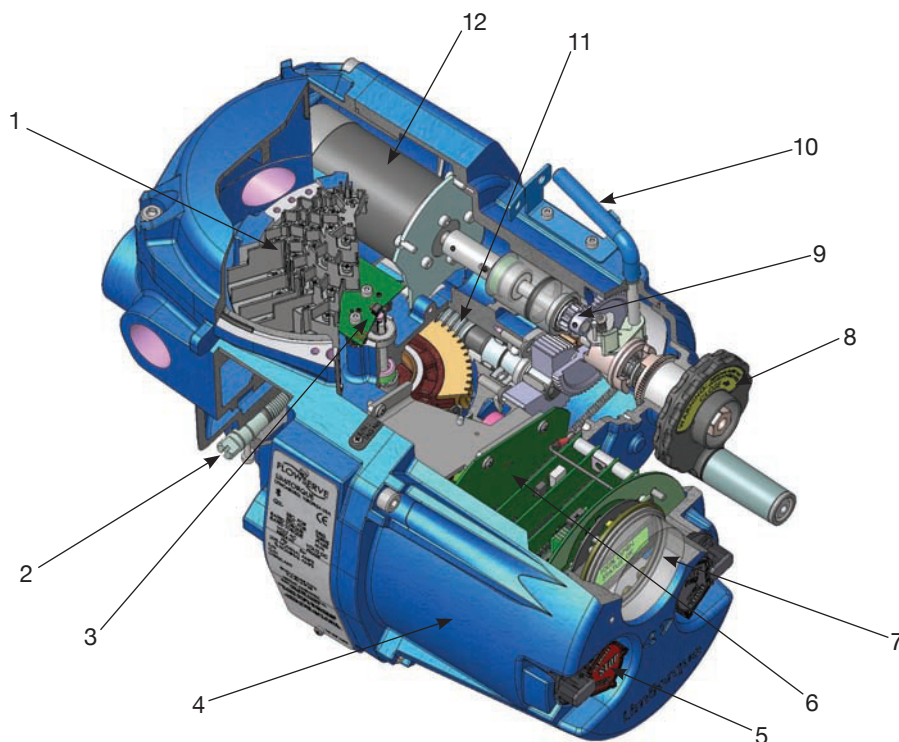
### Main Features and Benefits

- Absolute encoder
- Advanced brushless DC motor
- Graphical dot-matrix display
- Optional Bluetooth® wireless connectivity
- Network communications such as Modbus, Foundation Fieldbus H1, DeviceNet, and Profibus DP\_V1 and Profibus PA + HART
- Available in five distinct sizes from 100 ft-lbs (136Nm) to an industry-leading 1500 ft-lbs (2040 Nm).
- Innovative handwheel parallel to the LCD screen
- IP68 (Deepest and longest in the industry)



Actuator Model		QX-1	QX-2	QX-3	QX-4	QX-5
Torque Ratings	Nm	135	339	542	1016	2031
	ft lbs	100	250	400	750	1500
Operating Times	Seconds Minimum	5	8	15	30	60
	Seconds Maximum	20	30	60	120	120
Flange	Standard	F10	F10	F12	F14	F14
	Optional	F05/07	F07	F10/F14	F12	F12

\*MSS flange sizes also available



No.	Description
1	Terminal Chamber
2	Drive Sleeve Stop
3	Absolute Encoder
4	Cast Aluminium Housing
5	Local Control Switches
6	Control Chamber
7	LCD Multilingual Display
8	Handwheel
9	Motor Gear Attachment
10	Declutch Lever
11	Worm Gear Set
12	Brushless DC Motor

The QX design builds on more than 15 years of experience with proven Limitorque MX technology the first generation double sealed electronic valve actuator from Limitorque designed to provide control, ease of use and accuracy. The QX includes all the user-preferred features of the MX in a quarter-turn, smart actuator package.

The **Quick Response Centre** is part of Limitorque's growing network of aftermarket service centres around the world. Acrodyne's QRC will manufacture and service Limitorque actuators and local industry, with the ability to supply complete actuators produced from stock, with the added benefit of **local Australian content**.

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