

## AQ Range Actuator Training Program - 1 Day Course

### Course Objective

To introduce participants to the Rotork AQ Range actuator, its design and application to all types of valve. Particular attention is given to helping attendees to acquire skills in Maintenance, Fault Finding and Commissioning.

### Persons Suitable to attend Training Courses

An ideal course for Electrical, Instrument and Mechanical Maintenance Technicians, Foremen, Supervisory Management and Engineers. Commissioning and Project Design Engineers.

*This program covers the basic course content. Training will be tailored to suit individual customers actuator specification and all courses are backed up with comprehensive literature for all attendees.*



### Basic Design Philosophy:

Sealing, flameproofing, electrical, electronic and mechanical specifications.

### Actuator strip down:

Using a AQ115 unit - electrical, electronic and mechanical, showing modular construction and interchangeability.

**Actuator Re-build:** Attendees to re build units.

**AQ Range commissioning – using an actuated quarter turn valve.**

### Setting actuator stop bolts.

**Setting the switch mechanism:** - Position limits, torque protection and end of travel action to suit all quarter turn valve types.

**Adjustment of Control options:** Folomatic proportional controller, Pakscan field unit, Two speed operation (as applicable).

**Fault Finding and Diagnosis.** Actuator, valve and control system diagnosis of faults, mechanical and electrical.

