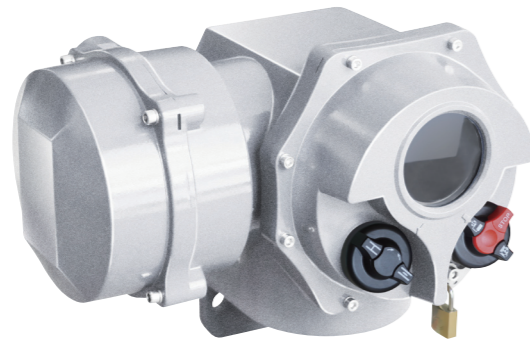


# VIA Series Intelligent Electric Actuator

Valvsys VIA series divides the entire electric actuator into two parts: Control Unit (VC) and Actuator (AM), and according to customer requirements to provide the right combination.



## VC Control Unit

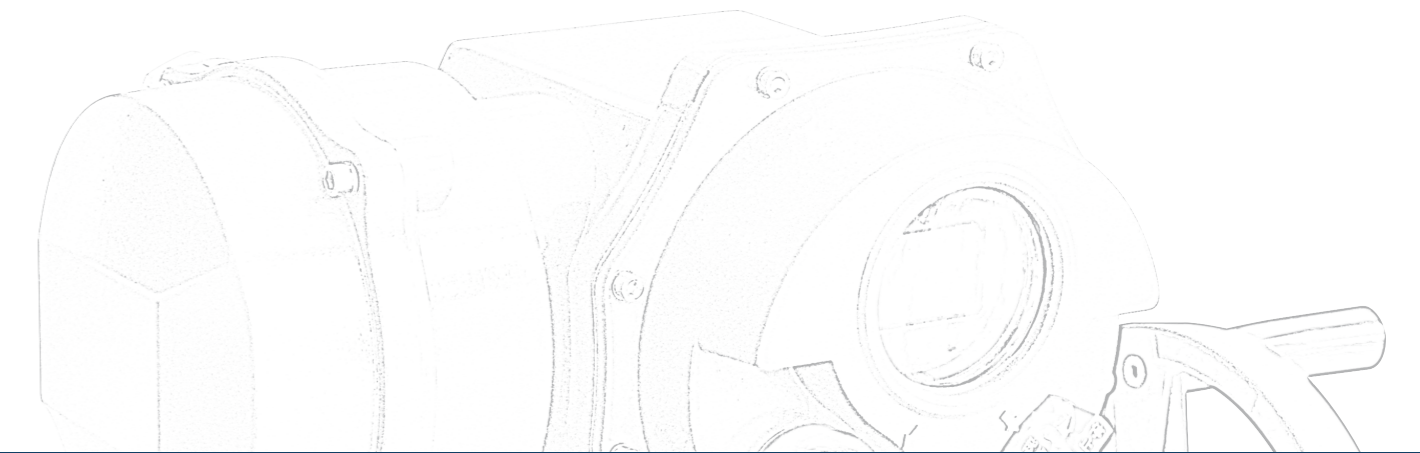
Model	Control Type
VC-F	Modbus
VC-A	On/Off
VC-B	Modulating

## AM Actuator

Model	Type	Duty Cycle	Torque	Power Supply	RPM at 60 Hz [50 Hz]
AM	Multi-turn / On/Off	S2-10/15	50-1,200 Nm	Single phase / 3 phase	21-86 [18-72]
				DC Power	10-48
AMR	Multi-turn / Modulating	S4-25% S5-50%	50-1,200 Nm	Single phase / 3 phase	9-57 [8-48]
				DC Power	10-48
AMRL	Linear / Modulating	S4-25% S5-50%	3.4-217KN	Single phase / 3 phase	-
				DC Power	-

## Other Technical Parameters

Power Supply	3-phase: 220, 230, 240, 380, 400, 415, 440, 460, 480, 550, 600, 660, 690 Single phase: 100, 110, 115, 127, 220, 230, 240 DC Power: 24, 48, 84
Drive Coupling Standard	ISO 5210
Operating environment	Environment Temp.: -20°C~+70°C Relative Humidity: ≤95% (+25°C) Atmosphere Pressure: 80kPa~106kPa
Protection	IP68
Control Method	Hard wire / 4-20mA / Modbus RS485



*Reliable Valve Automation*

**Valvsys**

VIA Intelligent Multi-turn Electric Actuator

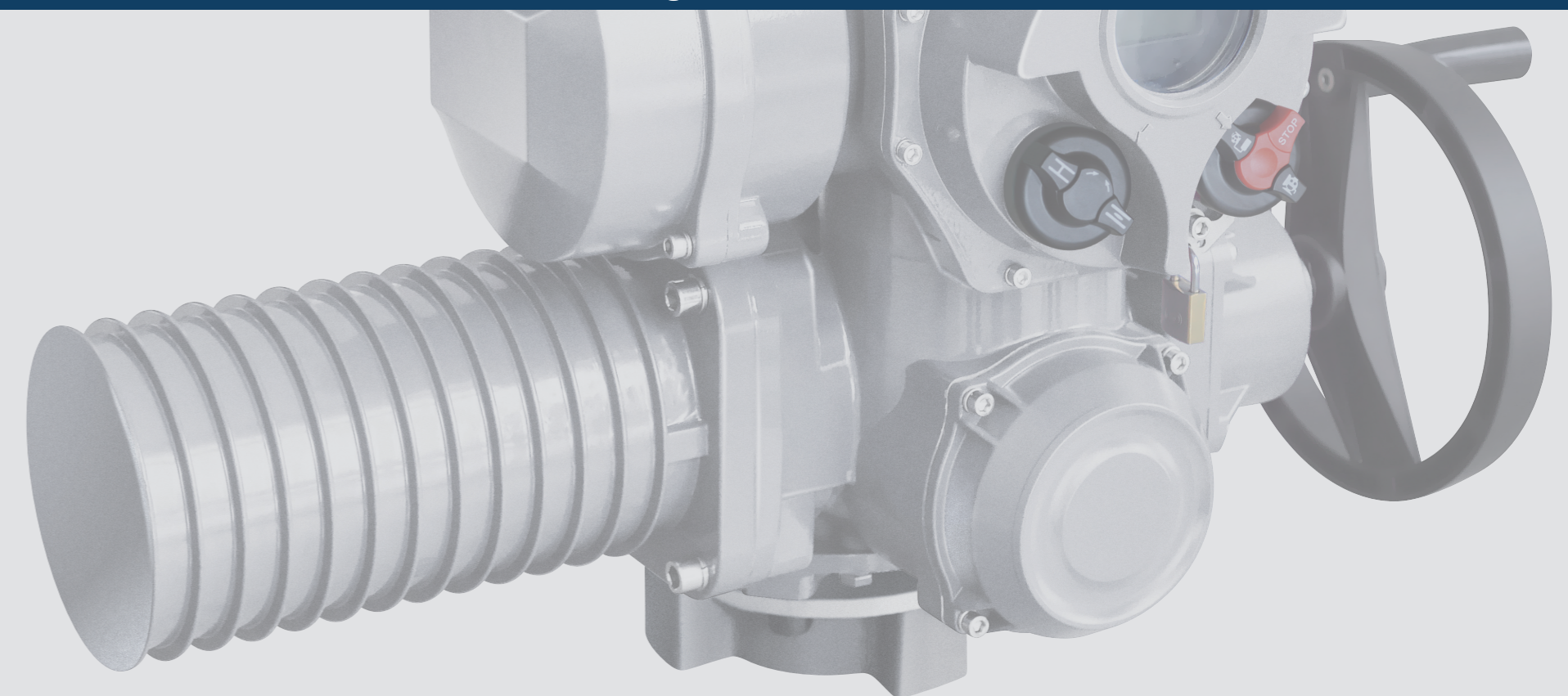
### Valvsys, LLC

421 Breden Dr #15 Monroe, OH 45050

Telephone: 513.539.1234

FAX: 513.539.2176

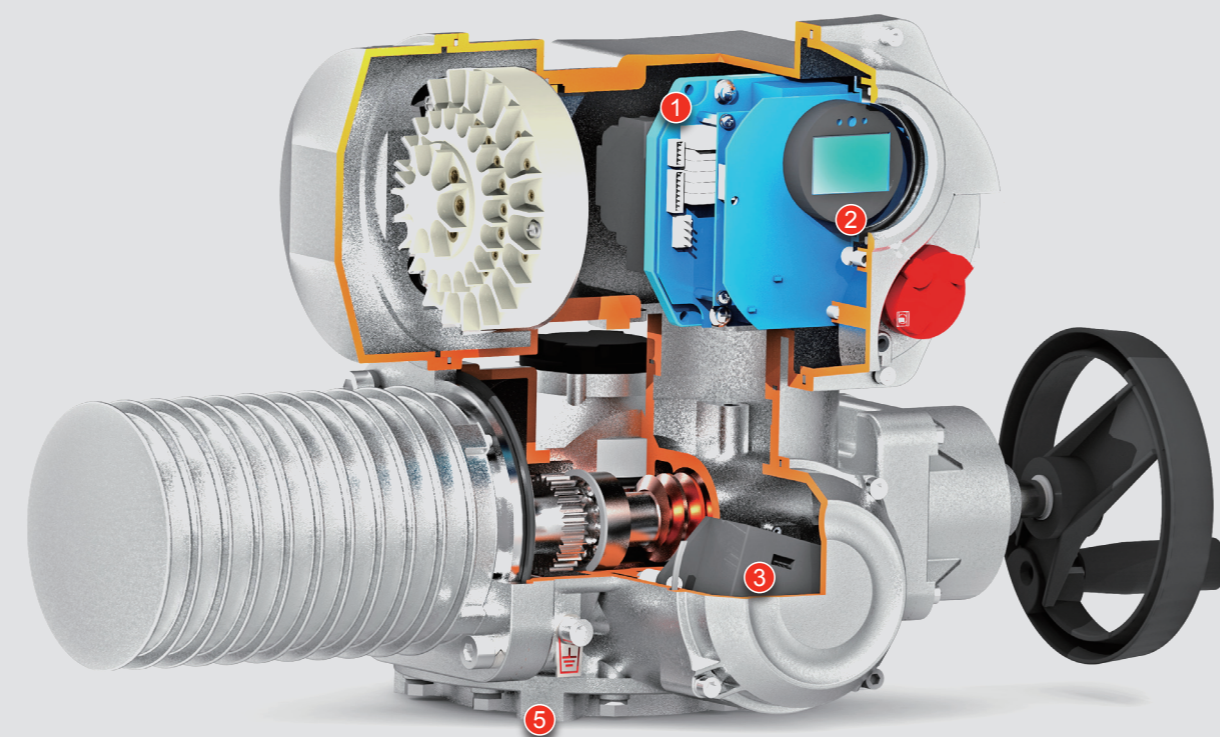
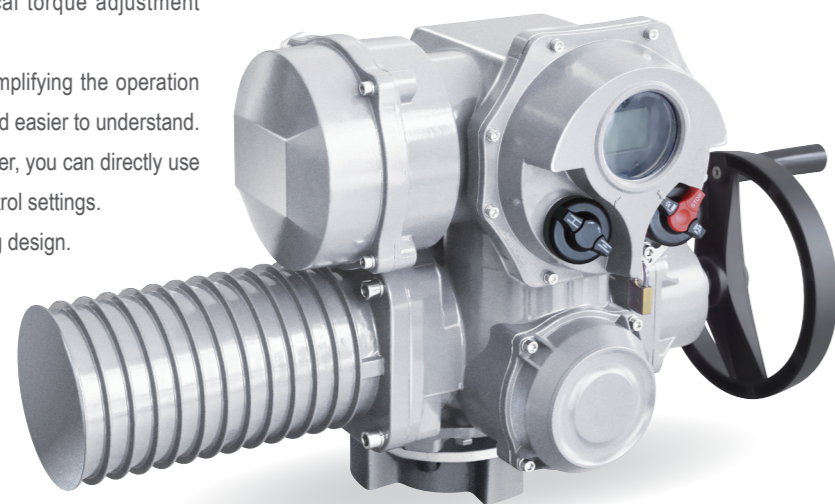
www.valvsys.com



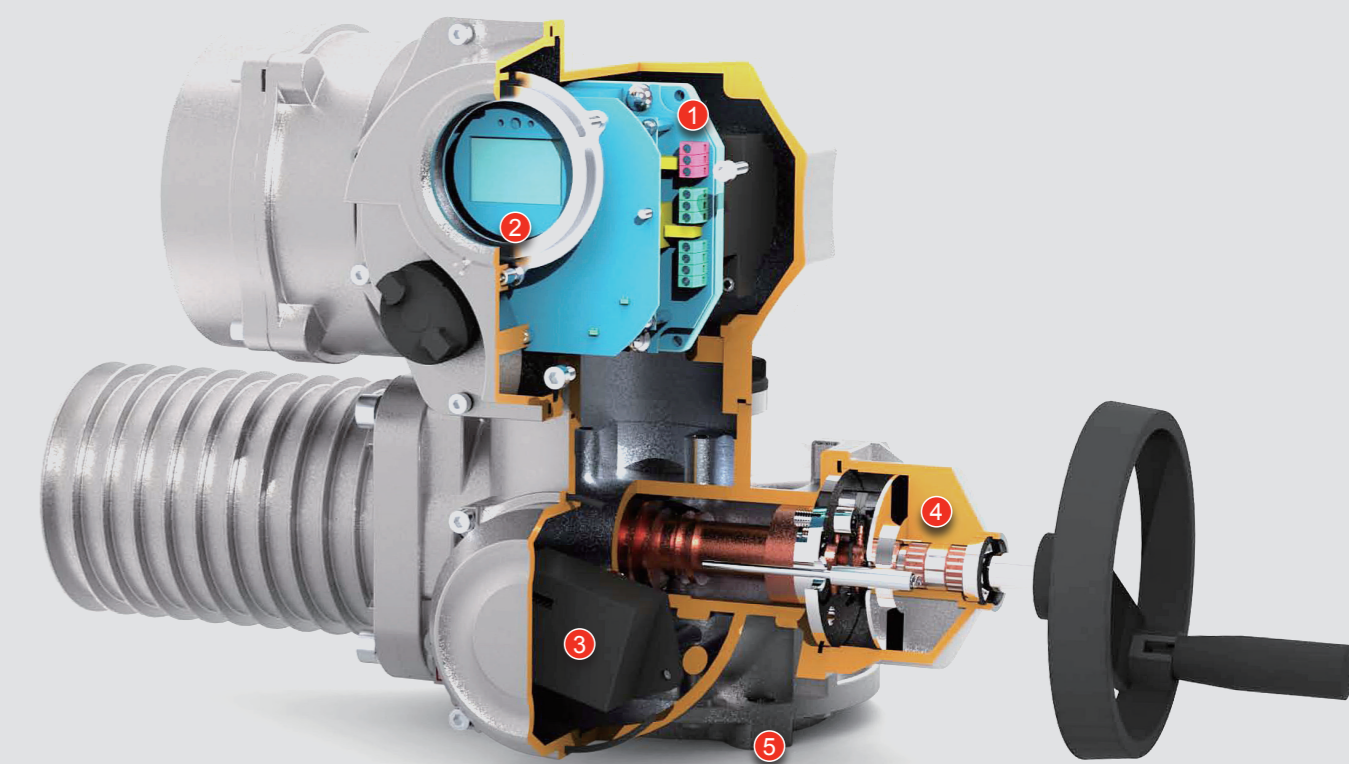
# VIA SERIES

## New generation intelligent multi-turn electric actuator

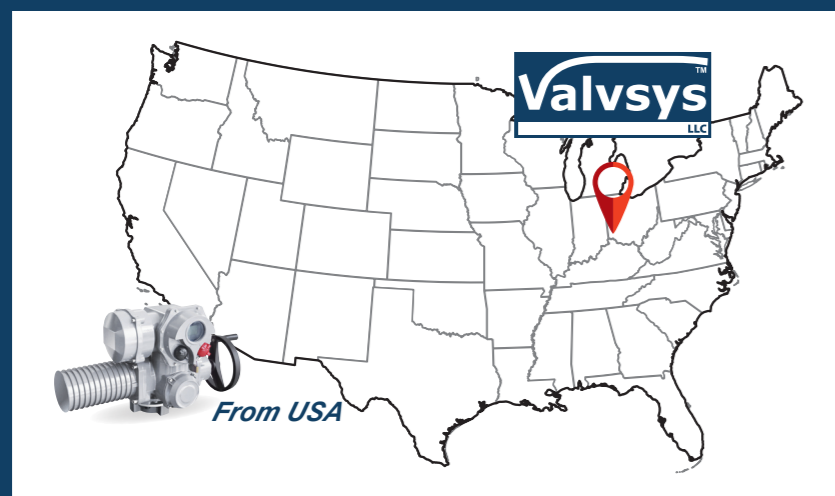
- ◆ The new design of the aluminum alloy shell, the actuator has a smaller and more compact appearance, but it does have a stronger structure.
- ◆ Exclusive developed absolute encoder, simple and stable and with higher accuracy and reliability, and the use of electronic torque switch design, eliminating the traditional mechanical torque adjustment inconvenience and increase accuracy.
- ◆ New humanization design interface, greatly simplifying the operation process, so that operators use more intuitive and easier to understand.
- ◆ Non-invasive settings - no need to open the cover, you can directly use the field manipulator or a dedicated remote control settings.
- ◆ A full range of removable modular drive coupling design.



## Product Design



## Reliable Valve Automation



### Valvsys, LLC

With 20 years of actuator design experience and a wealth of experience in fluid automation, Valvsys has always been proud to offer its customers trusted products.

In addition to providing electric actuators for use in various industries and applications, Valvsys also designs specialized controls for actuators in the gas, water, HVAC, chemical processing and mining markets as well as engineering solutions for customer pipeline fluid control, Such as: special color, wiring structure, connectors, cycle time and control, Valvsys has a wealth of knowledge to solve your automation challenges.

### 1. Torque detection and control

By detecting the main control board to the motor power supply voltage and current, and through the microprocessor to accurately calculate the actual torque. Once the preset cut-off torque is reached or exceeded, the controller immediately cuts off the power supply to the motor, thus achieving over-torque protection. The torque switch can be set within the range of 60% -110% of the rated torque.

### 2. Humanization Interface

Through the LCD screen and local operation knob to set the parameters. It's easier to use. The parameters can be set without opening the cover, ie non-intrusive parameter settings. Through the knob to control the actuator to reach the fully open position, and then reach the full close position. The controller adjusts the high precision absolute encoder to detect and save the two extreme positions, and the commissioning work is finished.

### 3. Position detection and control system

The use of large integrated circuit devices to replace mechanical parts, electronic components are not worn, no maintenance, high degree of intelligence, and can be programmed design settings. Such as: electronic limit protection and electronic torque protection function to replace the mechanical limit switch and the mechanical torque switch, eliminating the need for limit switch and torque switch adaptation. The parameters can be reset without having to open the cover.

With sophisticated absolute encoders, it is possible to precisely detect the actual position. Once fully open or fully closed two limit positions, the controller immediately cut off the power supply to the motor, in order to achieve limit protection.

### 4. Safe manual operation

Actuator design has been hand / electric switch to a reliable mechanical and electrical interlock, so that in the manual state to ensure reliable circuit off to prevent the hand wheel with the risk of personal injury.

### 5. Drive Coupling

VIA full range of drive coupling modular design, when the need for maintenance can be directly separated from the actuator and can also be replaced by different types of drive coupling, the connection standard using ISO 5210, in line with international standards.

