



Unleashing The Power of Valve Automation


EMERSON[™]

Appreciating How Valve Automation Contributes To An End-User's I/O Count

On/off valves typically represent 90 percent of the total valve population in a production facility, representing a significant portion of the plant's control architecture, protocol and DCS I/O. Coupled with Fisher and Rosemount, Actuation Technologies products for on/off valves should be a clear choice for any project that includes measurement or control.



AI, AO, HART, DI, DO, FF
Control Valves
10% of the Valve Population

Fisher Control Valves



DI, DO, AI, AO, HART, FF Field Devices
Actuation Technologies



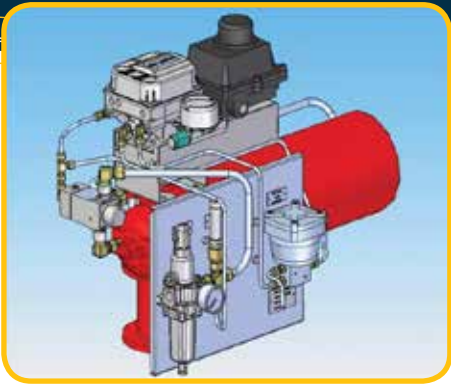
AI, AO, HART, FF
Field Devices
Rosemount Field Devices



DI, DO, AI, AO, HART, FF
Field Devices
On/Off Valves 90% of the Valve Population
Actuation Technologies

Valve Operating Systems™ (VOS) and Automated Valve Packages (AVP) for On/Off Valves

Emerson, the actuators and controls leader for operating on/off valves, can provide customers with wired or wireless Valve Operating Systems (VOS) or Automated Valve Packages (AVP). When supplying VOS, we assemble, test and commission a system that includes the appropriate Emerson brand actuator and controls. We can also provide a complete, in-house assembled package that includes actuator, controls and a selected valve. When looking for quality, value and performance, choose Emerson.



Valve **O**perating **S**ystem Actuators & Controls



Automated **V**alve **P**ackage Valves, Actuators & Controls

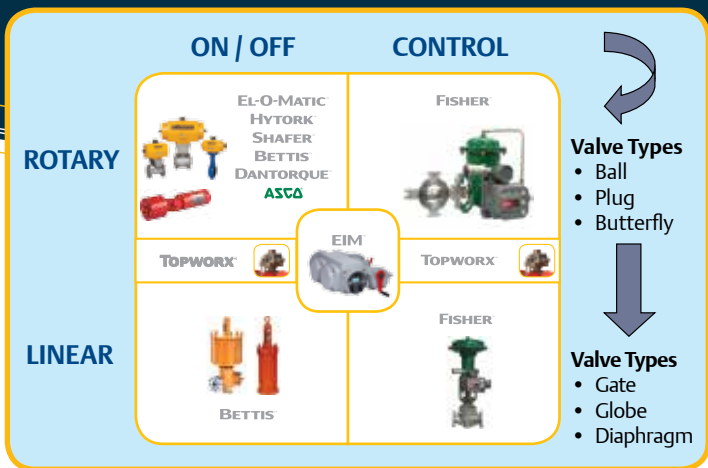
VOS combines Intelligence with Power

Total Emerson Solution for All Final Control Elements

The strength of Actuation Technologies combined with Emerson's stellar brands results in a single source for a Total Final Control Element that no competitor can match. Emerson has the complete answer for your application. We provide consistency and quality, with products that are field-proven and leaders in their field.

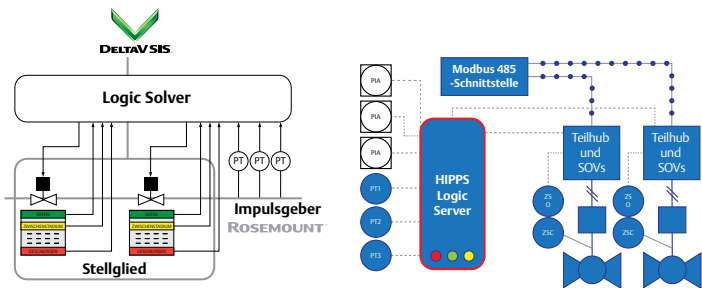
Added Value

- Emergency Shutdown (ESD)
- Partial Stroke Testing (PST)
- Motor Operated Valves (MOV)
- SIL-rated Valve Systems
- Wireless Operation
- Remote SCADA Operation



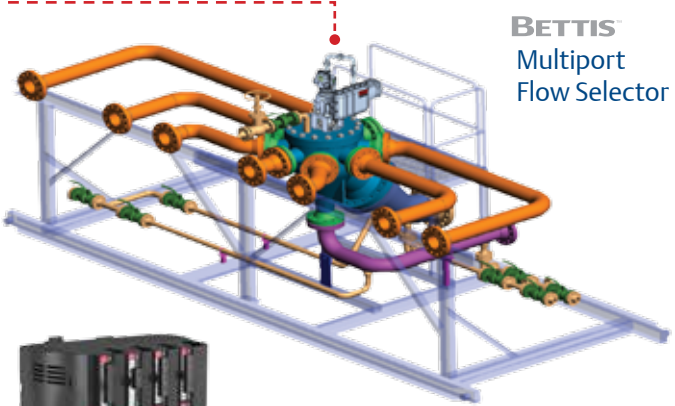
.....And Complete HIPPS System

HIPPS (High Integrity Pressure Protection Systems) is a complete mechanical and electrical system solution to provide pressure protection utilizing Initiators (from Rosemount), a Logic Solver (from DeltaV SIS) and a Final Element (from Actuation Technologies), all of which are manufactured by Emerson. The solution is in compliance with IEC-61508/61511 requirements up to SIL 3 and architecture is a 2oo3 voting system [hardware fault tolerance], with on line testing and diagnostic facilities also available.



Total Solution Capabilities

For Wellhead Digital Solution for Production/Test Manifold applications, Actuation Technologies together with Emerson Business Units, Roxar™ and RAS (Remote Automation Solution), can provide a complete solution for both Onshore and Offshore requirements for the Integrated Control & Measurement from the wellhead itself. This compact, modular and state-of-the-art system provides a comprehensive Emerson solution utilizing the latest Field Communication protocols.



BETTIS™
Multiport
Flow Selector



RAS
RAS ROC809 RTU



ROXAR™
Multiphase
Flow Meter

Offering The Most Comprehensive and Proven Valve Automation Portfolio Available Anywhere

Emerson offers best-in-class valve actuators and controls to fit virtually any application. Seven globally-recognized and field proven brands provide an unsurpassed technology selection for operating on/off valves with a combined experience of more than 200 years and a significant worldwide installed base.

When Actuation Technologies products combine with Fisher®, Rosemount®, Topworx, ASCO® and other Emerson technologies, they provide the ultimate in valve final control solutions.

BETTIS™



*Scotch-Yoke pneumatic
and hydraulic actuators*

EIM™



Electric actuators

SHAFER™



Rotary Vane actuators

EL-O-MATIC™



*Rack and Pinion
actuators*

HYTORK™



*Rack and Pinion
actuators*

FieldQ



*The single valve
automation solution*

DANTORQUE™



Helical Spline actuators

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