

# Optimize Handling Applications in Chemical Plants

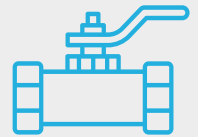
Ensure safe, efficient chemical handling for distribution.

## Challenges

### Selecting the Right Valves

Material handling applications in chemical plants need durable, angle-body piston valves and general purpose valves for directional control and piloting applications. These units should have a compact size, high flow capabilities and energy-efficient design.

**ACHIEVE  
PRECISE  
FLOW CONTROL.**



### Staying Connected With Scalable Software

Chemical plants — like many modern industrial environments — require open, state-of-the-art software technologies for secure, scalable interconnectivity. These platforms must be able to configure easily to various requirements and protocols.

**PROMOTE  
SEAMLESS  
INTERCONNECTIVITY.**



### Improve Motion Control Precision and Repeatability

Motion control components in packaging and handling applications must achieve a high degree of efficiency and process repeatability, ensuring uniformity and consistency of output with minimal energy consumption.

**MAXIMIZE  
EFFICIENCY  
WITH MINIMAL COSTS.**



For more information: [www.Emerson.com/Chemical](http://www.Emerson.com/Chemical)

  
**EMERSON**<sup>™</sup>

# OUR SOLUTIONS - Improve the Reliability and Efficiency of Handling Operations.

In the chemical industry, manufactured chemicals must be stored and packaged in containers to protect them from the environment and prepare them for shipment or sales. Our technologies for these vital packaging and handling applications include electric and pneumatic drives, cylinders, software platforms and more.

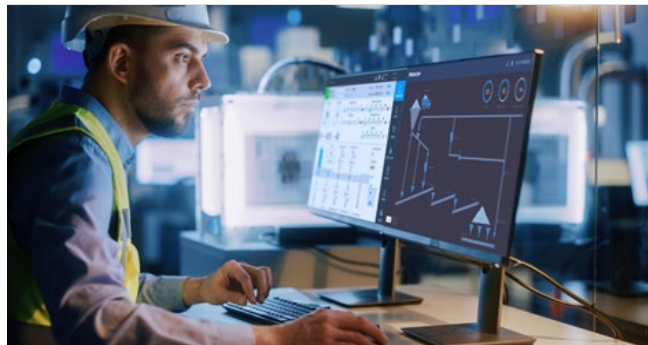
## Improve Flow and Process Efficiency While Maximizing Plant Uptime

For applications that involve trucks, boats and pallets, choose from our lineup of rugged, compact, high-flow and energy-efficient valves for precise flow control. Our directional control valves even incorporate a pressure shut-off feature that lets you replace individual valves without stopping any processes, keeping your uptime high.



## Improve Overall Equipment Effectiveness, Energy Usage and Performance

Movicon.NEXT™ software unlocks secure, scalable interconnectivity throughout chemical plants and configures easily to various requirements and protocols. To support your sustainability efforts, Movicon Pro.Energy© tracks water, air, gas, electricity and steam (WAGES) usage and offers robust data monitoring and analysis capabilities so you can set and achieve realistic consumption goals.



## Achieve Reliable Motion Control With Durable Components

AVENTICS™ Series SPRA electric rod-style actuators are the ideal solution to perform fast and powerful linear movements with high flexibility, precision and efficiency. Their modular designs save design time, while high-grade materials ensure reliability in harsh conditions.



### AVENTICS™ 501 Directional Control Valves



### ASCO™ 290 Angle-Body Piston Valves



### AVENTICS™ Series SPRA Electric Rod-Style Actuators



### Movicon.NEXT and Pro. Energy Automation Software



For more information: [www.Emerson.com/Chemical](http://www.Emerson.com/Chemical)



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