

DLO™ SERIES

General Service Globe Valve

DLO™ Series are general service control valves for light duties with compact design and easy maintenance.

FEATURES

- | Materials: Cast/Ductile Iron, Carbon Steel, Stainless Steel
- | Sizes: 1/2" – 4"
- | Rating: 125# – 300#
- | Connections: Threaded, Flanged DIN, Flanged ASME, BW & SW
- | Trim: Parabolic Unbalanced – Cage Retained seat – Leak Class IV, V and VI
- | Actuators: Pneumatic Single-Spring – Diaphragm models 35-55-85 – Electric Actuators for modulating services



FLY SERIES

Multi Use Globe Valve

FLY Series are control valves for light-medium duties with fully featured designs for different market sectors.

FEATURES

- | Materials: Cast/Ductile Iron, Carbon Steel, Stainless Steel, Chrome-Moly Alloy Steel
- | Sizes: 1/2" – 10"
- | Rating: 150# – 2500#
- | Connections: Threaded, Flanged DIN, Flanged ASME, BW & SW
- | Trim: Parabolic Unbalanced – Top Guided or Top Balanced – Up to 3 stage Noise or Cavitation trims – Leak Class IV, V and VI
- | Actuators: Pneumatic Multi-Spring Diaphragm models S.200-500 – Electric Actuators for modulating services



DBOY™ SERIES

Medium Duty Globe Valve

DBOY™ Series are intermediate duties control valves with rugged design, improved flow capacity design with easy maintenance.

FEATURES

- | Materials: Cast/Ductile Iron, Carbon Steel, Stainless Steel, Chrome-Moly Alloy Steel
- | Sizes: 2" – 8"
- | Rating: 125# – 600#
- | Connections: Threaded, Flanged DIN, Flanged ASME, BW
- | Trim: Cage Guided Balanced with Les-Sonic or Les-Cav trims for noise & cavitation control – Leak Class IV and VI
- | Actuators: Pneumatic Single-Spring Diaphragm models 35-55-85 – Electric Actuators for modulating services



DSE SERIES

Heavy Duty Globe Valve

Heavy duties control valve with enhanced severe service design, improved flow capacity and easy maintenance.

FEATURES

- | Materials: Carbon Steel, Stainless Steel, Chrome-Moly Alloy Steel
- | Sizes: 2" – 16"
- | Rating: 150# – 2500#
- | Connections: Flanged DIN, Flanged ASME, BW
- | Trim: Cage Guided Balanced with 1-2 stages Les-Sonic or Les-Cav trims for noise & cavitation control – Leak Class IV, V and VI
- | Actuators: Pneumatic Multi-Spring Diaphragm models 42-82-15 – Electric Actuators for modulating services



AEROFLOW® SERIES

Super-Critical Use Control Valve

Control valve for critical duties with fully featured designs and capable to guarantee ZERO leakage with metal-to-metal seating and temperature above 650°C/1200°F.

FEATURES

- | Materials: Carbon Steel, Stainless Steel, Chrome-Moly Alloy Steel
- | Sizes: 1/2" – 16" (20" angle style)
- | Rating: 150# – 4500#
- | Connections: Flanged DIN, Flanged ASME, BW & SW, with expanded connections
- | Trim: Parabolic Unbalanced, LT & HT Balanced, Pilot Balanced. Up to 6 stages Les-Sonic or Les-Cav trims for noise & cavitation control. For angle style valves a secondary stage pressure control cages for Bypass, Steam Conditioning, Vent, Anti-surge and other critical applications. Leak Class IV, V, VI and ZERO Leakage
- | Actuators: Pneumatic Piston models Magnum 6-10-13-16-20 Double Effect and Spring Return for heavy duty purpose – Electric Actuators for modulating services



SMD SERIES

3-Way Control Valve

3-way Control valve with enhanced flow control and high flow and low-pressure recovery, with suitable design for different market sectors.

FEATURES

- | Materials: : Cast/Ductile Iron, Carbon Steel, Stainless Steel, Chrome-Moly alloy steel
- | Sizes: 1/2" – 8"
- | Rating: 150# – 300#
- | Connections: Threaded, Flanged DIN, Flanged ASME, BW & SW
- | Trim: Top + Seat guided – Mixing or Diverting versions – Single stage Noise or Cavitation trims – Leak Class IV and VI
- | Actuators: Pneumatic Multi-Spring Diaphragm models S.200-500 – Electric Actuators for modulating services



KMAX™ SERIES

Eccentric Plug Rotary-Globe Valve

Universal rotary control valve with extraordinary flow control capacity. The heavy-duty trim design allows the valve working on slurry services and solid particles presence.

FEATURES

- | Materials: Carbon Steel, Stainless Steel, Chrome-Moly Alloy Steel
- | Sizes: 1" – 8"
- | Rating: 150# – 600#
- | Connections: Flangeless, Separable or Integral Flanged DIN, Separable or Integral Flanged ASME
- | Trim: Top + Bottom guided – High Rangeability >100:1 – Bidirectional Flow – Leak Class IV, V and VI
- | Actuators: Pneumatic Single-Spring Diaphragm models 35R-55R-85R – Electric Actuators for modulating services





PNEUMATIC ACTUATOR D2



PISTON ACTUATOR LV



REGADA ACTUATOR

PNEUMATIC

LINEAR AND ROTARY DIAPHRAGM AND PISTON ACTUATORS

Single & Multi-Spring: Carbon Steel or Stainless-Steel materials of construction with several spring ranges to optimize the air consumption and obtaining the necessary thrust for each application.

Multi-Spring Sizes: S.200 till S.500.

Single-Spring Sizes: 35-55-85-135-270.

Stroke: 16mm till 102mm.

Main Features: Single Acting with spring return, available with Top Handwheel and variable Stroke Adjuster.

Single & Double Acting Piston: Carbon Steel materials of construction suitable for high thrust and precise control for each application.

Sizes: 6-10-13-16-20.

Stroke: 20mm till 125mm.

Main Features: Single or Double Acting with spring return, available with Lateral Handwheel and with heavy Top + Bottom shaft guide for perfect stem alignments and reduced friction.

ELECTRIC

LINEAR AND ROTARY ELECTRIC ACTUATORS

Materials: Polymeric (HVAC and General Industries) or Carbon Steel housings for standard or heavy industry.

Thrusts up to 400kN for on-off and 200kN for control applications.

High Temperature versions up to +120°C.

Low Temperature versions down to -60°C.

Speed from 0,15mm/s till 40mm/s for special severe service applications.

Mechanical protection class up to IP68.

Multivoltage brushless motor with supply voltages available from 24V till 690V and multiple frequencies.

Main Features: Fully featured electric actuators with Smart electronics comprehensive of digital communication Bus, switches, PST, Fail Safe and other enhanced technologies for most demanding sectors.

MINI-P

Available on AEROFLOW valve series.
Multi-Step trim for Medium-Severe Cavitation Control.
Size range from 1" to 2"

LES-SONIC

Available on DBO, DSE and AEROFLOW valve series.
Single or Multi-Stage trim for Noise Reduction.
Size range from 2" to 20"

PERFORATED PLUG

Available on FLY and SMD valve series.
Single or Multi-Stage trim for Noise Reduction & Cavitation Control.
Size range from 0.5" to 10"

LES-CAV

Available on DBO, DSE and AEROFLOW valve series.
Single or Multi-Stage trim for Medium-Severe Cavitation Control.
Size range from 2" to 20"

DISK STACK

Available on AEROFLOW valve series.
Multi-Stage trim for the most Critical Cavitation Control.
Size range from 2" to 20"



MINI-P



LES-SONIC



PERFORATED PLUG



LES-CAV



DISK STACK

ACCESSORIES

To complete the requirements of any scope of supply we are including in our product lines all the necessary accessories for reaching the desired process performances.

The most relevatn ones are:

- | Air Filter Regulators
- | Volume Boosters
- | Lockup Devices
- | Limit Switches
- | Solenoid Valves
- | Emergency Customized Control Panels

POSITIONERS

Full range of analog and intelligent Smart Positioners for pneumatic actuated Linear and Rotary control valves.

This device provides high precision, reliability and flexibility to the valve system, according to the performance level selected.

Our range is including:

- | Standard and hazardous area versions
- | Stainless steel housings
- | Low temperature version
- | Full digital communication protocols availability
- | Feedback, partial stroke and fail freeze functions
- | Safety integrity level Iertificate (SIL)
- | Basic and advanced diagnostics



REFERENCES

POWER

- | Alabama Power
- | America Electric Power
- | Florida Power & Light
- | Duke Energy
- | KHNP

CPI

- | Linde
- | Sika
- | SOL
- | Siad
- | Basf
- | Versalis

HPI

- | Sabic
- | ENI
- | Khalda Petroleum
- | Shell
- | Exxon Mobil
- | Total

EPC

- | Technip / KTI
- | ABB
- | Technimont
- | Edison

Non-exhaustive list, a complete reference list is available upon request.

CONTACT ARMSTRONG INTERNATIONAL
FLOW CONTROL GROUP

To get more information or to find your representative,
visit **armstrong**international.eu