



**S**water Flow Group is one of the leading manufacturers of comprehensive flow control products. We manufacture a wide range of industrial valve actuators including electric, pneumatic, and electro-hydraulic actuators. We also manufacture high quality valves such as pipeline valves, butterfly valves, check valves and control valves. Our products are manufactured in our modern production units located in California, United States according to the latest standards and requirements. We provide both standard products, often in different versions, and specially designed products for various needs and situations. Our actuators and valves are widely used in long-distance pipelines, petroleum, petrochemical processing devices and other harsh working conditions.

## USA Factory

Swater valve actuators have been designed, developed and tested incorporating the latest technology and materials with our innovative design. Our actuators are in operation on ships, power plants and pipelines to regulate the movement of control valves with high precision. Due to the robust and compact construction, the advantages of high precision modulating, the long life time and the minimum of required maintenance, we were able to tighten and expand our market position.

With years of experience and R&D activities, Swater has successfully developed some high end valve products. We believe that Swater valves offer to the market the best commercial package of product quality, global representation, service, and delivery. Our self-belief is backed by a reputation with our clients who continue to re-order, relying on Swater as an integral part of their supply chain, and recognizing us as leaders in our field.



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## SWATER SEH SERIES ELECTRIC ACTUATOR

- Special lightning protection design
- High precision encoder for remote valve status detection
- High capacity lithium battery to indicate valve condition
- Various fieldbus communication
- Main speed reducing structure using ZC worm
- Long service life and high mechanical efficiency

**Torque Range:** 35Nm – 280,000Nm

**Thrust Range:** 10kN – 120kN

**IP Rating:** Double seal IP68

**Explosion-Proof Level:** Ex d IIC T4

**Temperature Range:** -40°F~158°F / -40°C~70°C

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## SWATER SPY SERIES SCOTCH YOKE PNEUMATIC ACTUATOR

- True modular design
- Spring return or double acting model
- Symmetric or canted scotch yoke
- Optional bevel gear and hydraulic manual override
- Rotation angle 90° with travel adjustment of +/-5°
- Bi-directional travel stops
- PTFE guide band supports piston
- Fluoropolymer coated cylinder to provide superior corrosion and wear resistance

**Torque Range:** 2000Nm-100,000Nm

**Temperature Range:** -22°F~212°F / -30°C~100°C

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## SWATER SH SERIES ELECTRO HYDRAULIC ACTUATOR

- High thrust with fast movement speed
  - High accuracy up to 0.1mm
  - Proportional servo valve technology:** Stable, reliable and efficient
  - Fast shut off function:** Switching speed less than 1 second
  - Long service life:** More than 30 years
  - Thrust Range:** 5kN-150kN
  - Explosion-Proof Level:** Ex ia IIC T4
  - Speed:** 0.8-55mm/s
  - Stroke:** 10-200mm
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## FULLY WELDED BALL VALVE

API 6D, API 6FA, API 607, BS6755, NACE MR0175

Size: NPS 2" - 60" / DN 50 - 1500

Rating: Class 150, 300, 600, 900, 1500, 2500

Materials: WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

Body Styles: Global Welded, Cylindrical Welded

Features: Trunnion Mounting Design

Double Block & Bleed (DBB)

Emergency Sealant Injection

Anti-Static Device

Fire Safe Construction

Blow Out Proof Stem

Body Vent and Drain

Optional Double Piston Design (DPE)



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## SPLIT BODY BALL VALVE

API 6D, API 6FA, API 607, BS6755, NACE MR0175

Size: NPS 2" - 60" / DN 50-1500

Rating: Class 150, 300, 600, 900, 1500, 2500

Materials: WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

Body Styles: Side Entry or Top Entry

Features: Trunnion Mounting Design

Double Block & Bleed (DBB)

Emergency Sealant Injection

Anti-Static Device

Fire Safe Construction

Blow Out Proof Stem

Body Vent and Drain

Low Emission Packing

Optional Double Piston Design (DPE)



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## SWING CHECK VALVE

API 6D, API 598, NACE MR0175

Size: NPS 6" - 36" / DN 150 - 900

Rating: Class 150, 300, 600, 900, 1500, 2500

Materials: WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

Features: Full Bore Opening

Fire Safe Design

Prevents backflow

Lock Open Device



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## AXIAL FLOW CHECK VALVE

API 6D, API 598

Size: NPS 1" - 16" / DN 25 - 400

Rating: Class 150, 300, 600, 900, 1500, 2500

Materials: WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

Features: Easy Opening

Tight Shut-Off

Low Pressure Drop

Non-Slam Operation

No Maintenance

Compact Design



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## DUAL PLATE CHECK VALVE

API 6D, API 598

Size: NPS 2" - 48" / DN 50 - 1200

Rating: Class 150, 300, 600, 900, 1500, 2500

Materials: WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

Features: Lug or Wafer Type

Resilient or Metal to Metal Seal

Double Spring Action

Hinge Pins Retained to Body

Low Leakage

Easy to Disassemble





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## TRIPLE OFFSET BUTTERFLY VALVE

**API 609, ASME B16.34, API 598**

**Size:** NPS 2" - 40" / DN 50 - 1000

**Rating:** Class 150, 300, 600, 900

**Materials:** WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

**Body Styles:** Lug or Wafer

**Features:** Zero Leakage

- Blow Out Proof Shaft
- Anti Static Design Option
- Fire Safe Construction
- Low Torque Actuation



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## GLOBE CONTROL VALVE

**ASME B16.34**

**Size:** NPS 1/2" - 24" / DN 15 - 600

**Rating:** Class 150, 300, 600

**Materials:** WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

**Features:** Low Noise

- Anti Cavitation
- Leakage Level Class IV, Optional V, VI
- Characterized Cage Flow
- Balanced or Unbalanced Plug
- Equal Percentage, Fast Opening, Linear
- Multi Stage Cage
- 210, 211, 241G, 241K, 241M Series



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## V-PORT CONTROL VALVE

**ASME B16.34**

**Size:** NPS 1" - 24" / DN 25 - 600

**Rating:** Class 150, 300, 600

**Materials:** WCB, WC6, WC9, LCB, LCC, CF8, CF8M etc.

**Features:** High Rangeability

- High Flow Capacity
- High Pressure Drops
- Leakage Level Class IV, Optional V, VI







**Swater Flow Group, Inc.**

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**USA Factory**

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