

**CURTISS -
WRIGHT**

Valve Group



Solent & Pratt

Butterfly Valves



CURTISS - WRIGHT



Our Company

Founded in 1961, Solent & Pratt has been at the forefront of the design, development and manufacture of high quality rotary valves for nearly 50 years.

An absolute commitment to outstanding quality and reliability has assisted our successes in supplying engineering projects around the world, particularly in high-risk environments such as oil & gas, chemical petrochemical and power Industries.

S&P offer a fully customized in house design, test and manufacturing facility from our UK base in Bridport which can adapt to changes in the market place and offer a fully bespoke package to satisfy even the most demanding specifications & applications.

Every valve produced by S&P undergoes the same rigorous quality procedures, which meet ISO 9001 certification by Lloyds. In addition, our valves are certified firesafe to BS 6755 Pt. 2, API 6FA, API 607 and DOT Rule 54 App. D.

S&P today offers an extensive range of rotary valve products, which includes high performance butterfly valves (HPBV) with either soft seating or ebonite-lined designs in sizes 2" (50 mm) to 138" (3400 mm), metal-seated, zero leakage, bi-direction triple offset segment valves (TOSV) in sizes 2" (50 mm) to 84" (2100 mm) in pressure classes up to ANSI 1500# with fully rated trims. Our range also includes cryogenic, double block & bleed and our unique triple offset gate valve series. Other custom-engineered valves can be produced to meet specific requirements and applications.

Historically, process plant operators used butterfly valves for simple isolation and in limited applications they often simply bolted on using a very basic

bracket, an actuator and pneumatic positioner.

With today's demand for process plants and oil and gas platforms to run for long periods between shut downs and to control emissions to very tight limits, butterfly valves have undergone recent developments. These developments are in size, materials, tight shut off and pressure class ratings to provide a real, reliable, economical and almost emission free alternative to traditional globe, ball, gate, plug and control valve designs.



Solent & Pratt's Headquarters in Bridport, UK



Solent & Pratt Products

Metal Seated



Triple Offset Valve

Ratings:

150#, 300#, 600#, 900#, 1500#, 2500#

Sizes:

2" (50 mm) to 84" (2100 mm)

Designs:

Wafer Lugged, Wafer Flangeless, Double Flanged

Operation:

Gearbox, Actuator

- Triple Offset
- Zero leakage capability
- Field replaceable seat & seal
- Temperatures 700° C (1292° F)
- Materials: 316 St St, Duplex & Super Duplex, 6 Mo Stainless Steels, Bronze, Monel, Incoloy, Hastelloy B & C, Titanium and Zirconium
- Firesafe to:
 - S 6755: Part 2
 - API 6FA: API 607 4th editions
 - BS EN ISO 10497



Triple Offset Gate Valve

Ratings:

150#, 300#, 600#, 900#, 1500#

Sizes:

2" (50 mm) to 36" (900 mm)

Designs:

Double Flanged, Face to Face ANSI B16.10

Operation:

Gearbox, Actuator

- Triple Offset
- Zero leakage capability
- Field replaceable seat & seal
- Temperatures 700° C (1292° F)
- Materials: 316 St St, Duplex & Super Duplex, 6 Mo Stainless Steels, Bronze, Monel, Incoloy, Hastelloy B & C, Titanium and Zirconium
- Firesafe to:
 - S 6755: Part 2
 - API 6FA: API 607 4th editions
 - BS EN ISO 10497

Resilient Seated



T Series - PTFE Sealed Firesafe Valve

Ratings:

150#, 300#

Sizes:

2" (50 mm) to 48" (1200 mm)

Designs:

Wafer lugged, Wafer Flangeless, Double Flanged

Operation:

Gearbox, Actuator

- Double Offset
- Tight shut-off bi-directional to API 598
- Materials: 316 St St, Duplex & Super Duplex, 6 Mo Stainless Steels, Bronze, Monel, Incoloy, Hastelloy B & C, Titanium and Zirconium
- Firesafe to:
 - BS 6755 Part 2
 - BS EN ISO 10497

Specialty Valves



E & R Series - Resilient Seal Butterfly Valve

Ratings:

150#, 300#

Sizes:

2" (50 mm) to 138" (3500 mm)

Designs:

Wafer Lugged, Wafer Flangeless, Double Flanged

Operation:

Handlever, Gearbox, Actuator

- Double Offset
- Tight shut-off bi-directional to API 598
- Materials: 316 St St, Duplex & Super Duplex, 6 Mo Stainless Steels, Bronze, Monel, Incoloy, Hastelloy B & C, Titanium and Zirconium
- Seal material: Nitrile / Viton / EPDM
- E-Series lining - Bonded ebonite hard natural rubber



Double Block & Bleed

Ratings:

150#, 300#, 600#, 900#, 1500#

Sizes:

4" (100 mm) to 36" (900 mm)

Designs:

Double Flanged

Operation:

Gearbox, Actuator

- Double Block & Bleed - Two seals with bleed facility between
- Triple Offset
- Zero leakage capability
- Field replaceable seat & seals
- Temperatures 700° C (1292° F)
- Materials: 316 St St, Duplex & Super Duplex, 6 Mo Stainless Steels, Bronze, Monel, Incoloy, Hastelloy B&C, Titanium and Zirconium
- Above 24" & 300# contact factory
- Firesafe to:
 - BS 6755 Part 2
 - API 6FA: API 607 4th editions
 - BS EN ISO 10497



Actuated Valves

- Actuated valves up to 138" & Ratings up to 2500#
- Pneumatic, Hydraulic, Electric & Electro Hydraulic
- On/Off & Control Duty
- Fast Acting
- Scotch Yoke & Rack & Pinion Designs
- St Steel, Carbon Steel, Ductile Iron & Aluminium materials
- Specialised control systems for ESD, HIPPS, Control & Partial Stroking applications
- Due to having no affiliation to any actuator manufacturer we can offer actuators specified on a project by project basis

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Solent & Pratt, a division of Curtiss-Wright Flow Control, UK Ltd., Napoleon House, Corbin Way, Gore Cross Business Park, Bridport, Dorset, DT6 3UX, United Kingdom
Telephone: +44 (0)1308 422256 • Fax: +44 (0)1308 427760 • Web: <http://cw-industrial.com> • Email: salesp@curtisswright.com

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