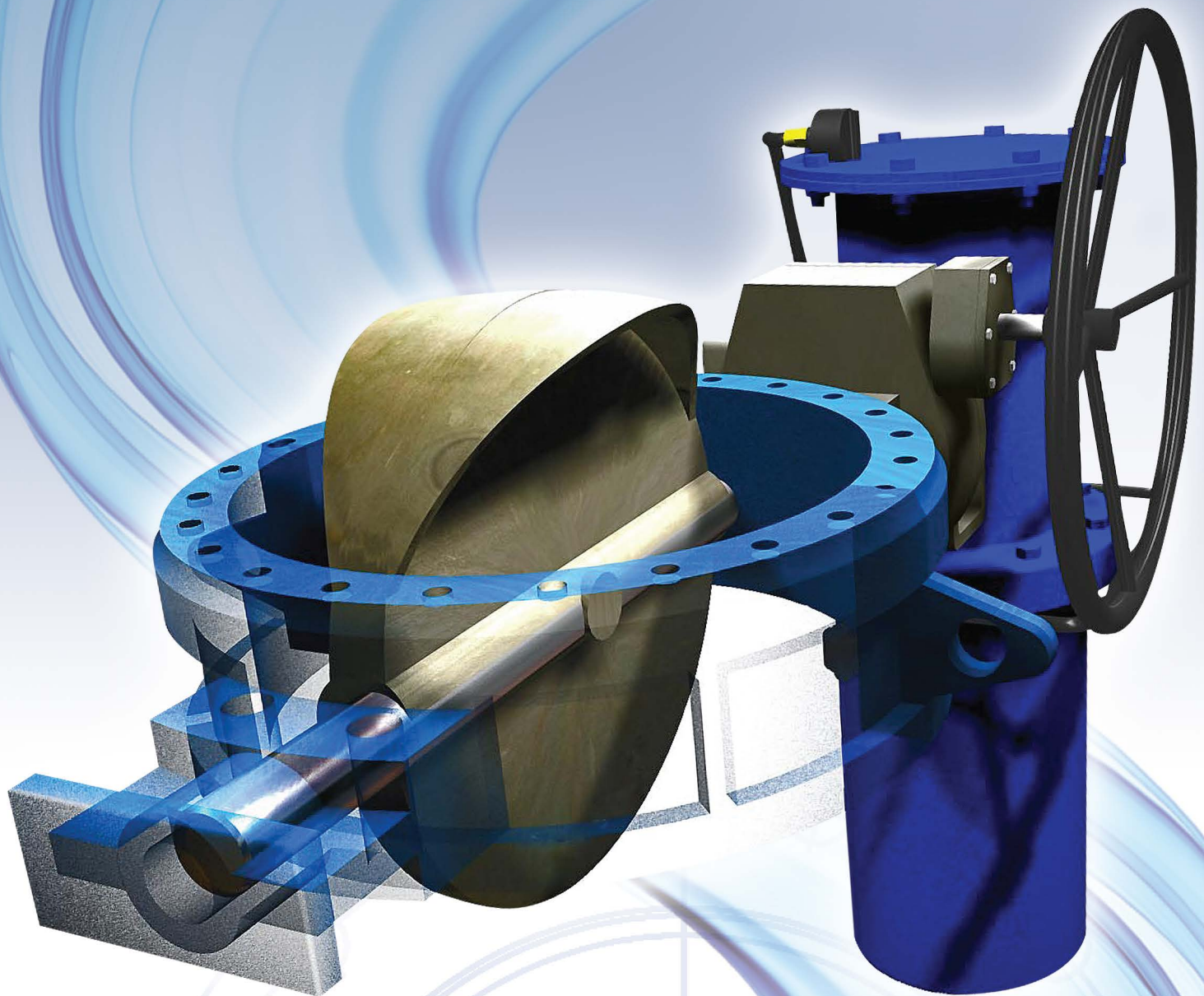


# EvolutionValves

The Next Epoch





# Bespoke Engineering Delivering Enhanced Performance and Total Reliability

## Evolution Valves are....

The culmination of decades of personal experience in the field of dealing with “Fit for Purpose” valve solutions, which fail to provide long lasting reliability. This expertise enhances the performance beyond the existing butterfly valve market expectation.

At the cornerstone of the business, Steve Heap, a name synonymous with current market leaders, has brought together an array of expertise to offer customised solutions to your process problems.

Exacting safety requirements, extreme process conditions and exotic materials, all demand bespoke engineering.

Evolution Valves stands out in the valve arena by harnessing your technical idiosyncrasies and stringent demands to deliver tailor made, environmentally friendly valve solutions. Our personnel are trained to understand your industry, your issue and your goal.

With cosmic vision, our engineers will provide the ultimate valve solution, on time, every time. Can you seriously afford to gamble with yet another “off the shelf solution”?

Unlike our prestigious competitors, Evolution Valves prides itself on delivering the lowest lifetime cost solution to all plant problems. Case studies have revealed that fitting standard valves to non standard applications is a massive false economy.

The inefficiencies during plant production, along with retrofitting and down times, cost many times more than the premium paid to get it right first time with Evolution Valves.

Design codes & standards include:

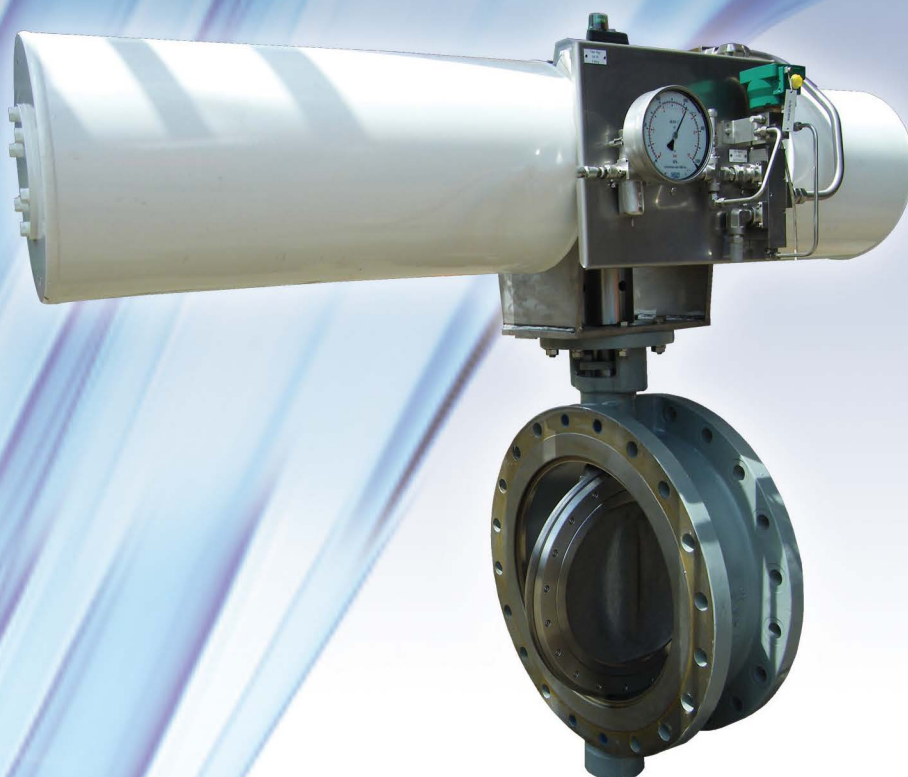
API, ANSI, DIN, BS, JIS, ISO, Norsok & GOST.



# Advanced Valve Solutions for Severe Service Applications

The Evolution Valves prospectus leads us into many niche sectors, our pressure ranges go from ANSI 150# to 2500# with temperature ranges from cryogenic -196°C to 1200°C.

Our range is so diverse it leads us into routine use of exotic materials such as Titanium, Monel, Hastelloy®, Superduplex, Alloy 20, Alloy 22H, Aluminium Bronze, Gunmetal, Naval Bronze, Stainless Steel, 37/18, 316, 304, 310, Carbon Steel, WCB, WC6, WC9, Ni-Resist and most castable materials.





## Our valve types include:

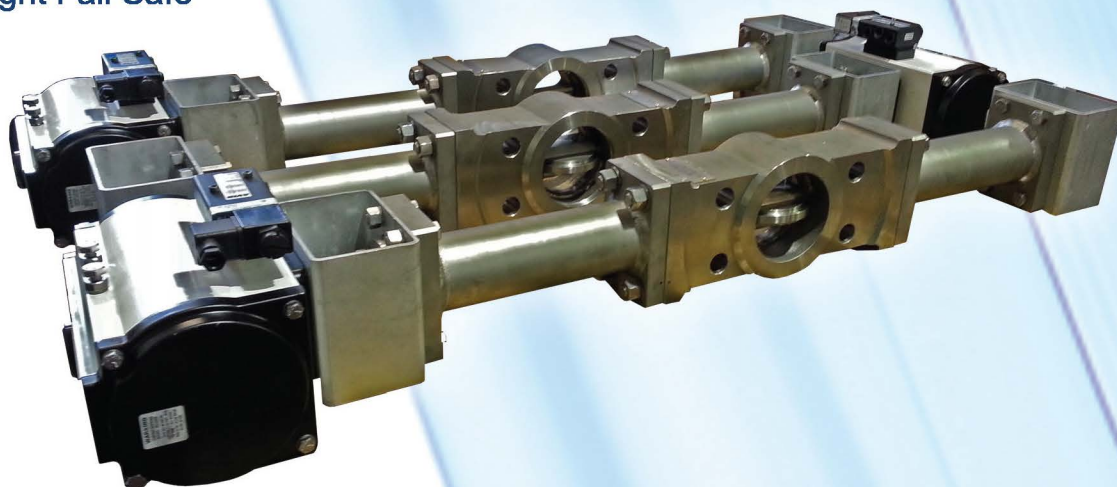
- Cryogenic
- Three Ports
- Rubber Seated
- Refractory Lined
- Composite Seals
- Reduced Port / Bore
- Ring Type Joints (RTJ)
- Eccentric & Concentric
- Other Custom Designs
- Nitride / HVOF Coatings
- Contoured / "Z" Matic Disc
- Teflon® Lined (PTFE, Halar®)
- Epoxy / Nylon / Rilsan Coatings
- Metal Seated Swing Through
- Metal to Metal Step Seats
- Cryogenic Extensions (Bonnets)
- Low Noise & Anti Cavitation (Low dB)
- High Performance, Double & Triple Offset

## Complete packages can incorporate the following ancillaries:

- Switchboxes
- Solenoid Valves
- Electric Actuators
- Intelligent Actuation
- Pneumatic Actuators
- Diaphragm Actuators
- Gearboxes, Pedestals
- Counter Weight Fail Safe
- Hot / Cryogenic Extensions
- Electro Hydraulic Actuators
- Air Filter Regulators (Air Sets)
- Positioners (Pneumatic, Electro Pneumatic & Smart Protocols)
- Equal Percentage or Linear Characteristics

## Our bespoke service means we offer:

- Steam Jackets
- Outboard Bearings
- Purge Connections
- Live Loaded Glands (TA Luft)
- Stellite / Tungsten Carbide Coatings
- Custom Made Face To Face Dimensions
- Inspection Hatches

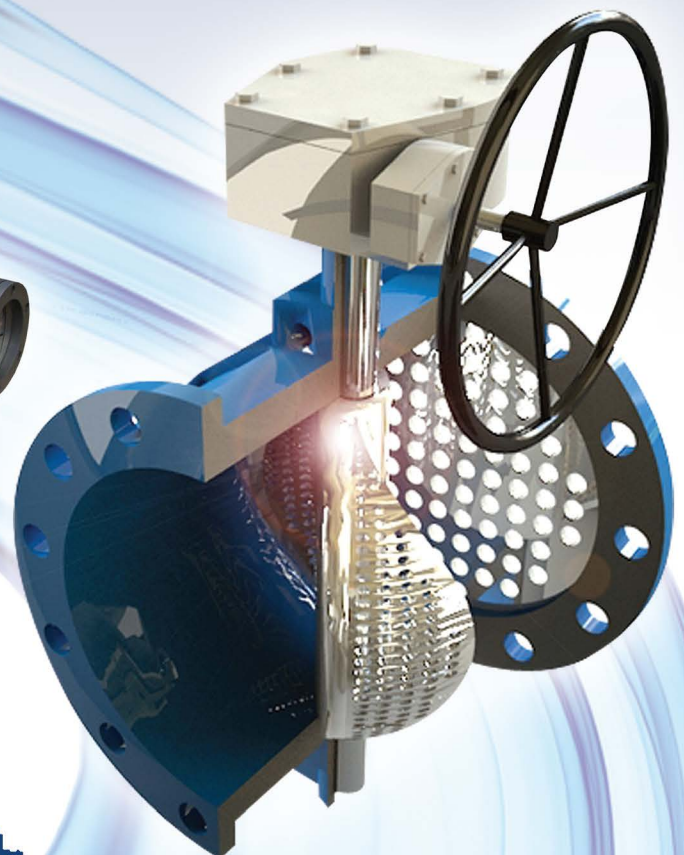




# Evolution Valve Applications

**Evolution Valves provide butterfly valve solutions for a diverse range of industrial applications including the following:**

- Offshore & Onshore Oil & Gas
- Desalination
- Bio Fuel
- Fertiliser
- District Heating
- Air Liquefaction
- Power Generation
- Nuclear Industry
- Compression Station
- Aluminium & Steel
- Chemical
- Waste Incineration
- Reverse Osmosis
- Pumping Station
- LNG/LPG - Cryogenics
- Oxygen Service
- Pharmaceuticals & Fine Chemicals
- Mining
- Naval
- Refining
- Water
- HEVAC
- FPSO
- Paper & Pulp
- Marine
- Engine Testing
- Sewage & Effluent Treatment
- Hot Sulphurous Gas
- Metering & Flow Balancing
- Catalytic Cracker
- Acid Gas Control
- Flare Stack Control
- Overboard Dump Control
- Brine Blowdown Control
- Jetty Loading
- Seawater Drain & Re-circulation
- Distillate to Culvert
- Geothermal Steam
- Firewater Ring Main
- Float Glass Plant





## Other Valve Types Include:

Ball Valves  
Plug Valves  
Gate Valves  
Globe Valves  
Check Valves  
Knife Gate Valves  
Safety Relief Valves  
Flow Control Valves  
Parallel Slide Gate Valve  
Severe Service Control Valves  
Automatic Recirculation Valves

**If you have a need for a valve solution either using a standard product or a bespoke option contact our Technical Centre of Excellence.**

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