

Delivery Program Valves and Actuators



Wide Range of Valves and Actuators

In addition to our soft or metal seated butterfly valves, which have been used in a wide selection of industries for many years, our range also extends to various check and diaphragm valves. These are available in a variety of materials, pressure classes, materials and sizes to suit our customer's requirements.

With this complete portfolio of valves we are able to offer a valve for almost any media found within Industrial Applications.

This range is rounded off with our range of Pneumatic Revo Actuators and accessories. These, together with a full range of accessories and other third party actuators can be specified and supplied with our valves or retrofitted at a later date.

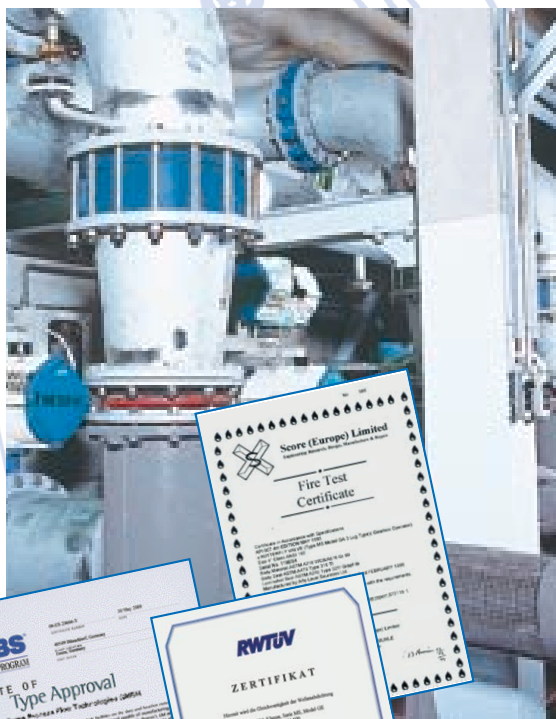
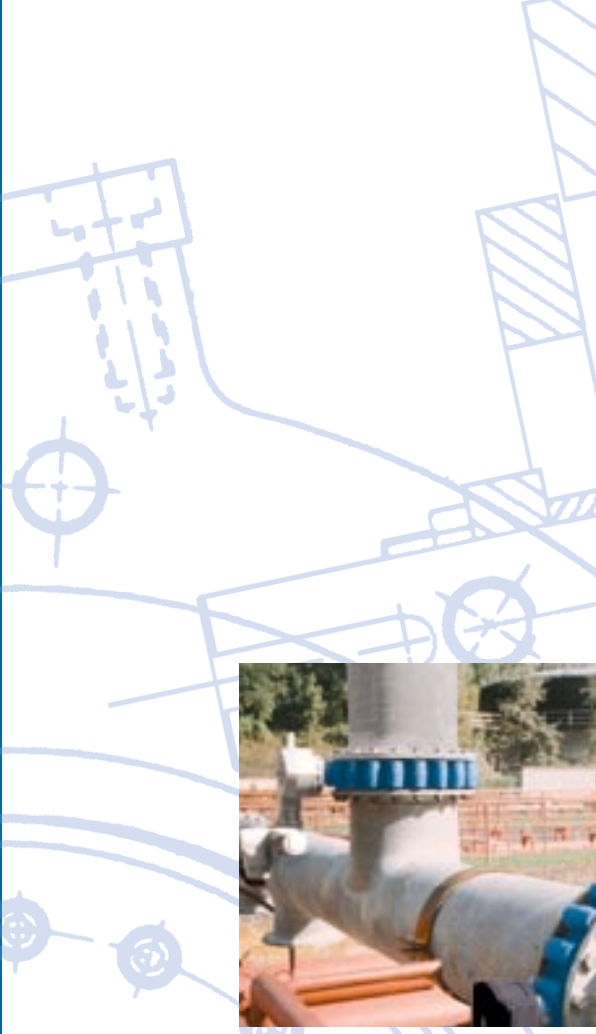
With our proven technology and commitment we can offer our customers a fast, world wide and economic solution to meet their needs.

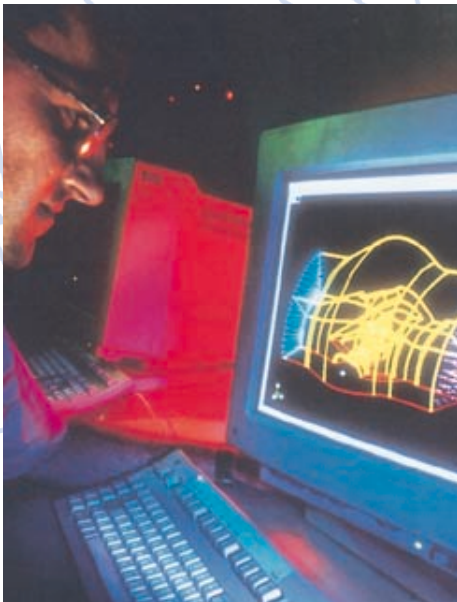
The Corporate History

In 1961, the company started its activities in Düsseldorf as VIA GmbH, a marketing company for high-quality engineering products mainly from the USA. The aim was to offer these products throughout Europe. In the late eighties this developed into the KWW Gesellschaft für Verfahrenstechnik GmbH with DEPA Air Operated Diaphragm Pumps, ELRO Peristaltic Pumps, VIA Butterfly and Check Valves as well as Revo Pneumatic Actuators. With this full range of products the company was quickly established as a major supplier of pumps and valves.

In 1991 the Alfa Laval Group took over all these activities and complemented these by Saunders Diaphragm Valves.

2001 saw the last milestone in the corporate history with the incorporation into Crane Co, a global Manufacturing and Sales Company. A diversified manufacture of technical industrial products, Crane Co. has been successful in the valve industry for many decades.





Butterfly Valves



CENTERLINE Butterfly Valves Series 200 for General Applications

Technical data:

Concentric design / elastomer seat with hard backup
Dowelled disc/ shaft connection
DN 50 – 300
PN 10, 16/ ANSI Class 150
-20° C (-4° F) to +120° C (+248° F)
Operating pressure up to $p = 16$ bar (232 psi)
Face-to-face dimension in accordance with EN 558-1, S20
Wafer and lug body

Standard materials:

Body: grey cast iron, nodular cast iron
Disc: aluminium bronze, stainless steel
Lining: EPDM, BUNA

Typical applications:

- cooling water
- waste water
- compressed air
- sea water
- hot water



CENTERLINE Butterfly Valves Series VIA/RS for Industrial Applications and Processes

Technical data:

Concentric design / elastomer seat with hard backup
Only 2 parts in contact with media (disc and seat)
DN 40 – 1200
PN 6, 10 / ANSI Class 150
-20° C (-4° F) to +150° C (+302° F)
Operating pressure up to $p = 16$ bar (232 psi)
Face-to-face dimension in accordance with EN 558-1, S20
Wafer, lug and double-flanged body

Standard materials:

Body: grey cast iron, nodular cast iron, cast steel
Disc: nodular cast iron, stainless steel, aluminium bronze, Hastelloy, Duplex, Rilsan, Halar, Hostalen-GUR
Lining: EPDM, BUNA, EPDM-H (KTM), Viton, Hypalon, HNBR

Typical applications:

- processes in the sugar industry
- paper industry
- chemical and petrochemical industry
- flue-gas desulphurisation
- hot water
- drinking-water
- gas generation and distribution

Butterfly Valves



FLOWSEAL High-Performance Butterfly Valves Series HP for Industrial Processes

Technical data:

Bidirectional Double-eccentric design
tight, with patented soft seat
DN 50 – 1200
PN 10, 16, 25, 40/ ANSI Class 150, 300, 600
-70° C (-94° F) to +250° C (+482° F)
Operating pressure up to $p = 40$ bar (580 psi)
Face-to-face dimension in accordance with API 609-
Tab2, EN 558-1, Series 25²⁾
Wafer and lug body

Standard materials: ¹⁾

Body: cast steel, stainless steel
Disc: stainless steel, nickel-plated stainless steel,
aluminium bronze
Seat: TFE, RTFE, TFE & metal (Fire Flow design)

Typical applications:

- hot water up to 200° C (392° F)
- air and gas systems
- steam up to 5 bar (72.5 psi)
- cryogenic
- processes where elastomers are insufficient

¹⁾ further materials on request

²⁾ on request



FLOWSEAL Triple Offset Butterfly Valves Series VIA/MS for Highest Demands

Technical data:

Bidirectional Triple-eccentric design
gas-tight, metallic seated
DN 80 – 600
PN 10, 16, 25, 40/ ANSI Class 150, 300
-196° C (-321° F) to +550° C (+1022° F)
Operating pressure up to $p = 40$ bar (580 psi)
Face-to-face dimension in accordance with EN 558-1,
Series 13 + 16, API 609-Tab2, ISO 5752-Tab4
Lug and double-flanged body

Standard materials: ¹⁾

Body: cast steel, stainless steel
Disc: cast steel, stainless steel
Seat: stainless steel, stellite
Sealing: stainless steel/ graphite laminate

Typical applications:

- superheated steam
- hot water
- petrochemicals
- hot gas applications
- LPG and LNG systems
- processes where elastomers and plastomers are insufficient

¹⁾ further materials on request



SINGLE-CHEK I Check Ball Valves Series VIA/CV for General Applications

Technical data:

One-piece, self-centering disc
Soft- and metall seated
DN 50 – 500
PN 10, 16, 25, 40/ ANSI Class 150
-10° C (+14° F) to +300° C (+572° F)
Operating pressure up to $p = 40$ bar (580 psi)
wafer body

Standard materials:

Body: grey cast iron, cast steel, stainless steel
Disc: cast steel, stainless steel
Seat: nickel-plated steel, stainless steel
Sealing: EPDM, BUNA, Viton, PTFE, metal

Typical applications:

- cooling water
- natural gas generation
- compressed-air pipe systems
- crude-oil transport
- refinery systems



Revo Pneumatic Valve Actuators for the Industrial Valve Automation

Technical data:

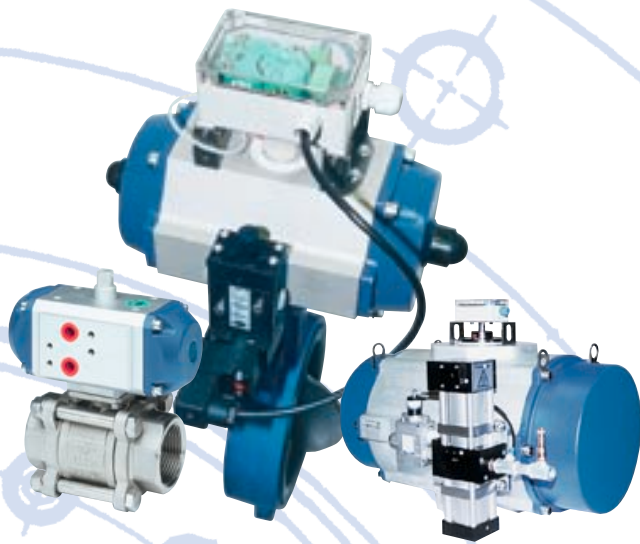
Basic version and optionally overtravel
and limit stops version
Torques up to 10,000 Nm
Supply air from 2 bar (29 psi) to 10 bar (145 psi)
-30° C (-22° F) to +80° C (+176° F)
Single- and double-acting for open/ closed
and control operation

Standard materials:

Body: aluminium
Piston: aluminium
Guides: carbon filled PTFE tape

Typical applications:

- process engineering
- power generation
- water treatment
- food-processing industry and breweries



Revo Automation for Customized, Reliable and Economic Operation

Services

- Customised solutions
- Automation of quarter turn and linear actuators
- Retrofit of valves with electrical, hydraulic as well as pneumatic actuators, accessories included
- Actuator Adaptation
- Accessories specification
- Assembly and delivery of accessories (interface clarification)
- Valves + Actuators Setting + Testing
- Documentation, Preparation and Supply
- Fast Flexible Solution



Service and After-Sales Services concerning our products

After-sales service

- On-site repairs
- Repairs at our workshop
- Preventive maintenance
- Training to customers' personnel
- Mounting and rebuilding of actuators and accessories
- Commissioning
- Adjustment of switches and positioners
- Telephone diagnosis

Inspection service

- Drawing-up of maintenance and inspection schedules
- Assessment of defects and wear as well as their causes
- Advice on the conversion of manually operated valves to automatic mode
- Inspection supervision
- Reconditioning of our valves and actuators

Spare parts supply

- Original spare parts of a quality tested to DIN ISO 9001
- Practical wear item kits
- Clear service manuals
- Telephone advice
- Reliable delivery with overnight service
- Range of wear items for optimum storage
- Replacement service for the entire product range



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We reserve the right to modifications to all technical specifications.