



13<sup>th</sup> International Valve  
World Expo and Conference

**Düsseldorf**  
03/12– 05/12/24

## 1

### Valves

- 1.1 Aluminium Valves
- 1.2 Angle Seat Valves
- 1.3 Backflow Preventing Valves
- 1.4 Ball Valves
- 1.5 Bellows Type Valves
- 1.6 Butterfly Valves
- 1.7 Ceramic Valves
- 1.8 Check Valves
- 1.9 Control Valves
- 1.10 Cryogenic Valves
- 1.11 Diaphragm Valves
- 1.12 Double Block and Bleed Valves
- 1.13 ESD Valves
- 1.14 Gate Valves
- 1.15 Globe Valves
- 1.16 Hydraulic Valves
- 1.17 Jacketed Valves
- 1.18 Knife-Gate-Valves
- 1.19 Lined Valves
- 1.20 LNG Valves
- 1.21 Manifold Valves
- 1.22 Monoflange/Slimline Valves
- 1.23 Mud Valves
- 1.24 Needle Valves
- 1.25 Non-Return Butterfly Valves
- 1.26 Pinch Valves
- 1.27 Piston Valves
- 1.28 Plug Valves
- 1.29 Pneumatic Valves
- 1.30 Pressure Reduction Valves
- 1.31 Pressure Valves
- 1.32 Safety Valves
- 1.33 Sampling Valves
- 1.34 Shut-Off-Valves
- 1.35 Slide Gate Valves
- 1.36 Solenoid Valves
- 1.37 Stainless Steel Valves
- 1.38 Steam Valves
- 1.39 Other Valves

## 2

### Valve Components and Parts

- 2.1 Bursting Discs
- 2.2 Castings
  - 2.2.1 Investment Castings
  - 2.2.2 Sand Castings
  - 2.2.3 Wear-resistant Castings
- 2.3 Components
  - 2.3.1 Bearings
  - 2.3.2 Fasteners
  - 2.3.3 Handlever
  - 2.3.4 Handwheels
  - 2.3.5 Valve Balls
  - 2.3.6 Valve Boxes
  - 2.3.7 Valve Blocks
  - 2.3.8 Valve Bonnets
  - 2.3.9 Valve Springs
  - 2.3.10 Valve Seats

- 2.3.11 Valve Stems
- 2.3.12 Valve Yokes
- 2.3.13 Valve Discs
- 2.3.14 Valve Bodies
- 2.4 Couplings
  - 2.4.1 Quick connect Couplings
- 2.5 Diaphragms
- 2.6 Filters
- 2.7 Fire Protection Jackets
- 2.8 Flanges
  - 2.8.1 Flange Protection
- 2.9 Flow Measuring Devices
- 2.10 Forgings
- 2.11 Gaskets and Sealing Systems
  - 2.11.1 Gaskets
  - 2.11.2 Packings
  - 2.11.3 Seals
  - 2.11.4 Sealing Systems
  - 2.11.5 Washers
- 2.12 Gauges
- 2.13 Interlocks for Valves
- 2.14 Safety Shut-Off Devices
- 2.15 Sight Glasses
- 2.16 Springs
- 2.17 Steam Traps
- 2.18 Strainers
- 2.19 Tube Fittings
- 2.20 Valve Insulation
- 2.21 Valve Position Indicators
- 2.22 Flame Arrester
- 2.23 Raw Materials

## 3

### Actuators and Positioners

- 3.1 Actuator Accessories
- 3.2 Chainwheels
- 3.3 Control and Instrumentation
- 3.4 Control Systems
- 3.5 Electric Actuators
- 3.6 Gearings
- 3.7 Hydraulic Actuators
- 3.8 Manual Actuators
- 3.9 Modulating Actuators
- 3.10 Pneumatic Actuators
- 3.11 Positioners
- 3.12 Subsea Actuators
- 3.13 Other Actuators

## 4

### Pumps

- 4.1 Industrial pumps
  - 4.1.1 Pumps and pumping systems
  - 4.1.2 Centrifugal pumps
    - 4.1.2.1 Axial pumps
    - 4.1.2.2 Diagonal pumps
    - 4.1.2.3 Propeller pumps
    - 4.1.2.4 Semi-Axial pumps
    - 4.1.2.5 Canned pumps
    - 4.1.2.6 Vortex rotor pumps



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4.1.3 Displacement pumps  
 4.1.3.1 Piston pumps  
 4.1.3.2 Thick material pumps  
 4.1.3.3 Diaphragm pumps  
 4.1.3.4 Piston diaphragm pumps  
 4.1.3.5 Rotary displacement pumps  
 4.1.3.6 Peristaltic pumps  
 4.1.3.7 Screw pumps  
 4.1.3.8 Twin screw pumps  
 4.1.3.9 Displacement pumps  
 4.1.4 Vortex pumps  
 4.1.4.1 Sewage pumps  
 4.1.4.2 Chemical pumps  
 4.1.4.3 Gas pumps  
 4.1.4.4 Food pumps  
 4.1.4.5 Slurry pumps  
 4.1.4.6 Water pumps  
 4.1.5 Special types of pumps  
 4.1.5.1 Jet pumps  
 4.1.5.2 Vacuum pumps  
 4.1.5.3 Propellant pumps  
 4.1.5.4 Blocking vane pumps  
 4.1.5.5 Molecular pumps  
 4.1.5.6 Further pumps and pump components  
 4.1.6 Pumps according to application  
 4.1.6.1 Construction pumps  
 4.1.6.2 Dosing pumps  
 4.1.6.3 Line pumps  
 4.1.6.4 Drainage pumps  
 4.1.6.5 Cellar drainage pumps  
 4.1.6.6 Submersible pumps  
 4.1.6.7 Submerged pumps  
 4.1.7 Pumps according to specification  
 4.1.7.1 Seal-free pumps  
 4.1.7.2 Stainless steel pumps  
 4.1.7.3 Hygienic pumps  
 4.2 Fasteners  
 4.2.1 Piping  
 4.2.2 Couplings  
 4.3 Seals and Sealing Systems (Pumps & Fittings)  
 4.3.1 Seals  
 4.3.2 Mechanical seals  
 4.3.3 Pump seals  
 4.3.4 Hydrodynamic seals  
 4.3.5 Hermetic and magnetic sealing systems  
 4.3.6 Valve technology and actuator technology  
 4.4 Test, measurement and control technology for pumping systems  
 4.4.1 Test and analysis equipment  
 4.4.1.1 Leak-detection  
 4.4.1.2 Flowmeters  
 4.4.2 Drive technology for pumping systems  
 4.4.3 Control and control of devices and instruments  
 4.4.4 Measuring technology and tools  
 4.4.5 Dosing & Weighing  
 4.5 Services for the industry  
 4.5.1 Pump manufacturer  
 4.5.2 Pump Distributors  
 4.5.3 Pump suppliers  
 4.5.4 Pumps storage holder  
 4.5.5 Maintenance

4.5.5.1 Pump repair  
 4.5.5.2 Condition monitoring  
 4.5.5.3 Maintenance and cleaning  
 4.5.6 Service providers for process automation systems  
 4.5.7 Testing and quality control  
 4.5.8 Pumps & Fittings Consulting  
 4.5.9 Software  
 4.6 Products for the pump industry  
 4.6.1 Castings  
 4.6.1.1 Centrifugal casting  
 4.6.1.2 Molding  
 4.6.1.3 Investment casting  
 4.6.1.4 Shell Mold Casting  
 4.6.2 Forgings  
 4.6.2.1 Pump shafts  
 4.6.3 Components  
 4.6.3.1 Impellers  
 4.6.3.2 Idlers  
 4.6.3.3 Transmission  
 4.6.3.4 Plain bearing  
 4.6.3.5 Pump housing (open / closed)  
 4.6.3.6 Grand follower  
 4.6.3.7 Pump cover  
 4.6.3.8 Cutting  
 4.6.4 Materials and alloys  
 4.6.4.1 Duplex  
 4.6.4.2 Lean Duplex  
 4.6.4.3 Super Duplex  
 4.6.4.4 Ni-based materials  
 4.6.4.5 Laboratory Services  
 4.6.4.6 Advice on materials  
 4.7 Associations Publishers and Media (Pumps)  
 4.7.1 Associations  
 4.7.2 Magazines and websites

## 5

### Compressors

## 6

### Engineering and Software

6.1 CAD systems  
 6.2 Cladding  
 6.3 Leak Detection and Repair (LDAR)  
 6.4 Maintenance  
 6.5 Safety Instrumented Systems (SIS)  
 6.6 Testing  
 6.6.1 Non Destructive Testing (NDT)  
 6.6.2 Valve Repair and Testing Technology  
 6.6.3 Valve Testing  
 6.6.4 Sizing and Selection  
 6.7 Coating

## 7

### Associations and Publishing Houses

## 8

### Training and Courses