Industrial Valves
Since 1974 LEUSCH stands for the development and production of high-quality industrial valves.

At the headquarter in Neuss LEUSCH produces valves for industrial applications on the request of world-wide customers. Our main fields of application are in chemical industry, pulp and paper industry, refineries, sea water desalination plants, waste water treatment, gas extraction and transport, ship building, offshore technology etc.

The specific construction characteristics and the use of high quality materials qualify our “High Performance Valves” for most extreme operating conditions such as low and high temperature applications as well as high pressure.

The range of products consists double and triple eccentric control and on-off butterfly valves, ball valves, ball segment valves and special valves with pneumatic, hydraulic or electric actuators.

Since 2003 LEUSCH GmbH belongs to the global going SAMSON AG based in Frankfurt am Main. This is why international sales and after sales service is guaranteed.
ISO 9001 & CE

In order to guarantee the high quality requirements on our products, our construction and production is based on ISO 9001:2008, HP 0 / TRD 201, and TRB 801, no. 45 and the European Directive for Pressure Equipment 97/23/EC.

The valves leaving our works have been subject to 100% testing procedure. By a production schedule the customer knows at any time the status of production of his valves.
Triple Eccentric Control and Shut-off
Butterfly Valve LTR 43

Size 3” – 100” (DN 80 – 2500)
Rating ANSI 150 – 2500 (PN 6 – 420)

- Wafer, lug, double flanged or butt weld ends
- Metal or soft seated
- Leakage Class VI to ANSI FCI 70-2 / IEC 60534-4
- Seat Itt Laminated 316SS/Graphite or special material
- Designed to ANSI B16.34 and API 609
- Materials: C-Steel, Stainless steel, Titanium, Hastelloy, Inconel, Monel, Duplex, SMO, Bronze etc.

Option:
- Packing acc. to TA-Luft
- Low Noise / Anti Cavitation trim
- Heating jacket
- Anti surge design
- ESD-Application
- Outer bearing, inner packing
- Cryogenic or high temp. service
Triple Eccentric Control and Shut-off
Butterfly Valve LTR 43, Special Application

ESD (Emergency Shutdown) Butterfly Valve
Metal seated, Fire safe
Pneumatic operated (double- or single acting)

Option:
• Fire proof protection for actuator and accessories to UL-1709
• Partial stroke test (PST) mechanically or electronically
• Remote valve operation station
• Air reservoir system
• Handwheel

Control Butterfly Valve LTR 43 16” ANSI 300#
with Low Noise / Anti Cavitation trim
with Silencer incl. hole plates
metal seated
seatring and seat stellited
with spring return Actuator, AFO
and E/P Positioner
High Performance Butterfly Valve

- Wafer, lug or double flanged
- Metal or soft seated
- Leakage Class V-VI to ANSI FCI 70-2 / IEC 60534-4
- Seat 1.4462, Hastelloy or filled PTFE
- Designed to DIN
- Materials: Stainless Steel, Titanium, Duplex, SMO

Option:
- Packing acc. to TA-Luft
- Low Noise
- Heating jacket

Size 3" – 48" (DN 80 – 1200)
Rating ANSI 150 – 300 (PN 6 – 50)
Ball Segment Valve, KVT
centric or eccentric

- Size: 1/8” – 28” (DN 25/2 – 700)
- Rating: ANSI 150 – 600 (PN 10 – 100)

- Wafer or flanged type
- Metal or soft seated
- Leakage IV-VI to ANSI FCI 70-2 / IEC 60534-4
- Seat PTFE, SS-filled PTFE or Stellite
- Designed to DIN
- Materials: Stainless Steel, Titanium, Hastelloy, Duplex

Option:
- V-notch
- Scraper seat design
- Low Noise
- Heating jacket
Ball Valve “Trunnion mounted”
On/Off and Control Service

Size 1” – 60” (DN 25 – 1500)
Rating ANSI 150 – 2500 (PN 10 – 420)

- Flanged or butt weld ends
- Trunnion mounted
- Side or Top entry
- Leakage IV-VI to ANSI FCI 70-2 / IEC 60534-4
- Seat PTFE, SS-filled PTFE, PEEK, Nylon or SS hardfaced
- Materials: C-Steel, Stainless Steel, Titanium, Hastelloy, Duplex, etc.

Option:
- Packing to TA-Luft
- Low Noise / Anti Cavitation trim
- Heating jacket
- Anti Surge design
- ESD-Application
- Cryogenic or high temp. service
Ball Valve “Floating Ball”
On/Off and Control Service

Size 1” – 16” (DN 25 – 400)
Rating ANSI 150 – 300 (PN 10 – 50)

- Flanged or butt weld ends
- Floating ball
- Side entry
- Leakage IV-VI to ANSI FCI 70-2 / IEC 60534-4
- Seat PTFE, SS-filled PTFE or Stellite
- Materials: C-Steel, Stainless Steel, Duplex

Option:
- Packing to TA-Luft
- Scraper seat design
SAMSON Group
Globe Valve, Actuator and Accessories

Globe Valve

Size 1/2" – 24" (DN 15 – 600)
Rating ANSI 150 – 2500 (PN 10 – 420)

- Flanged, threads or butt weld ends
- Globe, Angle- or 3-way valve
- metal or soft seated
- Cryogenic or high temp. service

Option:
- Bellows seal
- Heating jacket
- Low Noise / Anti Cavitation trim

Actuator and Accessories

- Pneum. double or single acting Actuator
- Handwheel
- Pneum. or electropneumatic Positioner
- Booster
- Solenoid Valve
- Limit Switch
- Filterregulator
Special Butterfly Valves

“Top Entry” Design
Type LTR 43, with butt weld ends
In-line servicing / easy maintenance
with extension for Cryogenic-Service (-196°C)
metal seated
with spring return Actuator, AFC
and E/P Positioner 3730-3 (HART)

16" ANSI 900
Type LTR 43, flanged type
with extension for Cryogenic-Service (-196°C)
metal seated, Leakage Class VI
with spring return Actuator incl. Damping system
stroking time: < 0.5 sec.

Control Butterfly Valve
Type LTR 43, with butt weld ends
with extension for Cryogenic-Service (-196°C)
incl. “Cold Box” flange
Special Butterfly Valves

**ESD Valve 44" ANSI 300#**
Type LTR 43, lug type  
metal seated, Fire safe  
with spring return Actuator, AFC  
and ESD Positioner SAMSON 3730  
(Partial stroke test)

**“Anti Surge” 24" ANSI 300#**
Type LTR 43, flanged type  
with Low Noise for start up flow  
with outer bearing and inner packing  
with single acting Actuator, AFO  
and E/P Positioner 3731 (EExd)
Special Butterfly Valves

**Shut-off Valve 54" ANSI 150**
Type LTR 43, flanged type
metal seated, Leakage Class VI
with spring return Actuator incl. Damping System
stroking time: < 1 sec.

**Control Valve 48" ANSI 150**
with Low Noise / Anti Cavitation trim with Silencer incl.
hole plates
flanged type, metal seated
with double acting Actuator incl. Air Reservoir
Control Ball Valve 16"/24" ANSI 300 with Low Noise / Anti Cavitation trim (LN-TRIM) and Diffuser 16"/24"

Type BVL 63-LN
flanged type, Side entry
metal seated (with one seat)

Ball Valve DN 200/100 PN 16 for high temperature service 800°C

Type BVL 63-HT, Top entry

ESD Valve 16" ANSI 300

Top entry, metal seated
with spring return Actuator and ESD Positioner 3730 (Partial stroke test)
## Scope of Supply

### Butterfly Valves
3" – 100" (DN 80 – DN 2500)
ANSI 150 – 2500 (PN 10 – 420)

### Ball Segment Valves
1/8" – 28" (DN 25/2 – DN 700)
ANSI 150 – 600 (PN 10 – 100)

### Ball Valves
1/2" – 60" (DN 15 – DN 1500)
ANSI 150 – 2500 (PN 10 – 420)

### Three-way Valves
or Multiport
1/2" – 36" (DN 25 – DN 900)
ANSI 150 – 2500 (PN 10 – 420)

### Special Valves
on your request

### Actuator and Accessories

**Metal or soft seated valves, Low Noise design and special materials on request.**