

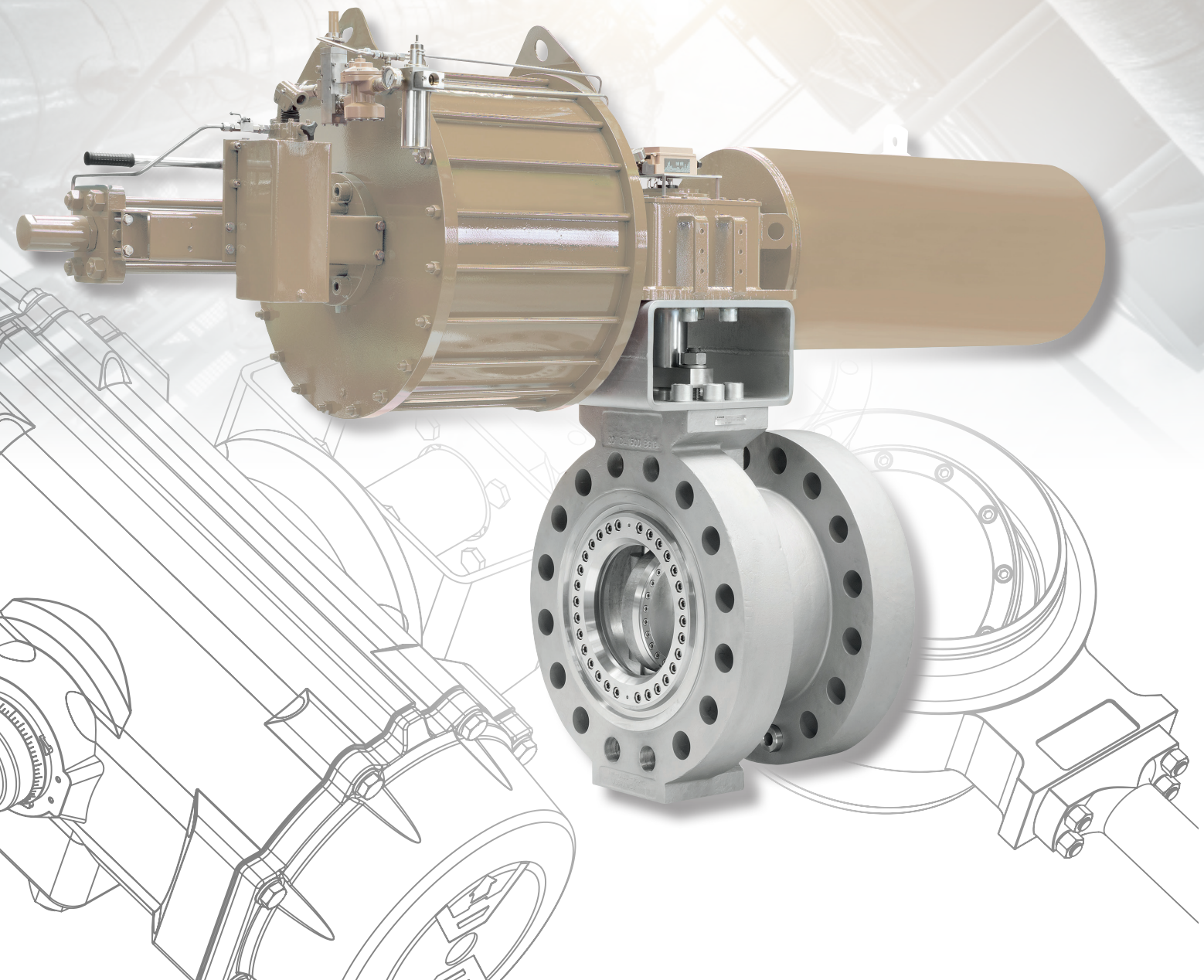
SAM LOOP

powered by SAMSON LEUSCH & PFEIFFER

samson

TRIPLE OFFSET BUTTERFLY VALVE

SAMSON LEUSCH Type LTR 43



SMART IN FLOW CONTROL

LTR 43 TECHNICAL DETAILS

Valve Size	NPS 3 to NPS 84
Pressure Rating	ANSI Class 150 to 2500
End Connections	■ Lugged ■ Flanged ■ Wafer ■ Standard Butt-weld and Top Entry Butt-weld
Materials	■ Carbon Steel (A216 WCB WCC) ■ Stainless Steel (A351 CF8M) ■ Low/High Temperature Steels (LCC/LC3/WC6/WC9) ■ Special Alloys (Duplex, Monel, Titanium, etc.)
Temperature Range	-320 to 1292°F (-196 to 700°C)
Leakage Rate	Class VI according to ANSI/FCI 70-2 , API 598
Fire Safe	According to API 607, API 6FA and ISO 10947

GENERAL INDUSTRIES

Chemical/Petrochemical, Oil & Gas (upstream, midstream, & downstream), Refining, Power generation, Industrial gases, Steel production, Desalination plants, Renewable energy (solar, geothermal, and hydro), Shipyard, Aerospace, Cryogenic, etc.

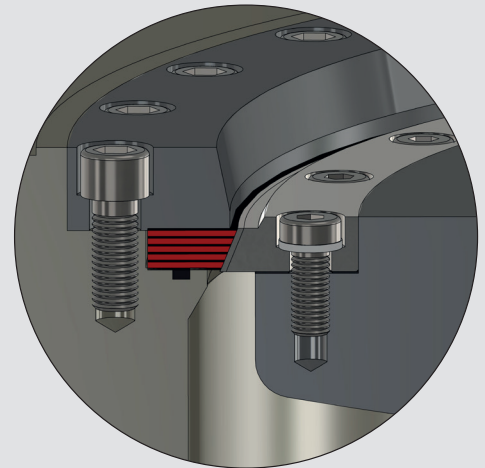
APPLICATIONS

Gas: Natural gas, Syngas, Oxygen, Hydrogen, Nitrogen, Air, Carbon dioxide, Flue gas, Coke oven gas, Flare gas, Sour gas, Acidic gas, Steam (saturated and superheated), Ethylene, Methane, Ammonia, etc.

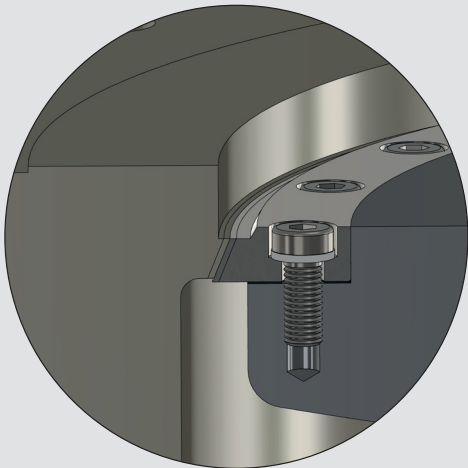
Liquid: Hydrocarbon (diesel, crude oil, naphtha, jet fuel, kerosene, gasoline etc.), Sea water, Waste water, Heat transfer fluid, Thermal oil, Molten salt, etc.

LTR 43 TRIM DESIGN

- Exchangeable and easy to replace seat & seal ring
- Non-rubbing, metal to metal with zero leakage
- Available with a hardfaced seat ring for special applications



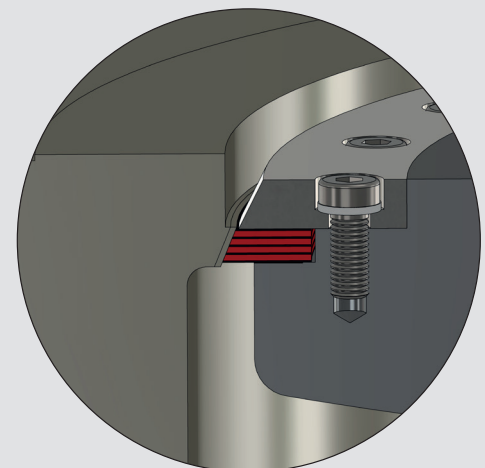
LTR 43-2



LTR 43-3

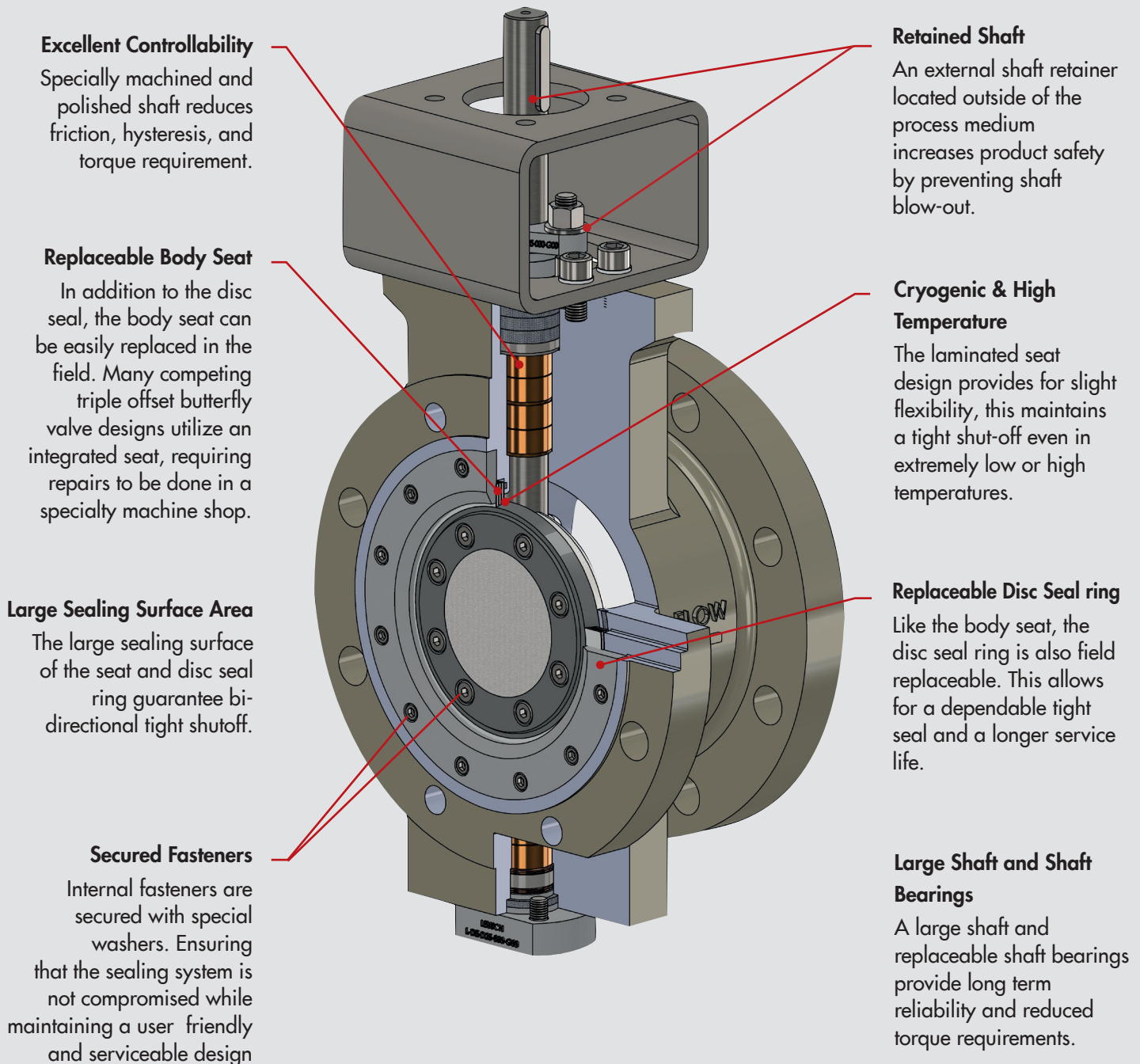
- Resilient metal seal ring ensures perfect tightness
- The standard solid and optionally hardfaced seal ring is easy to replace
- Suitable for controlling applications with critical medias

- High reliability with zero bidirectional leakage
- With a robust integral-to-body valve seat
- Hardfaced seat e.g. with Stellite® grade 21 overlays providing excellent durability.

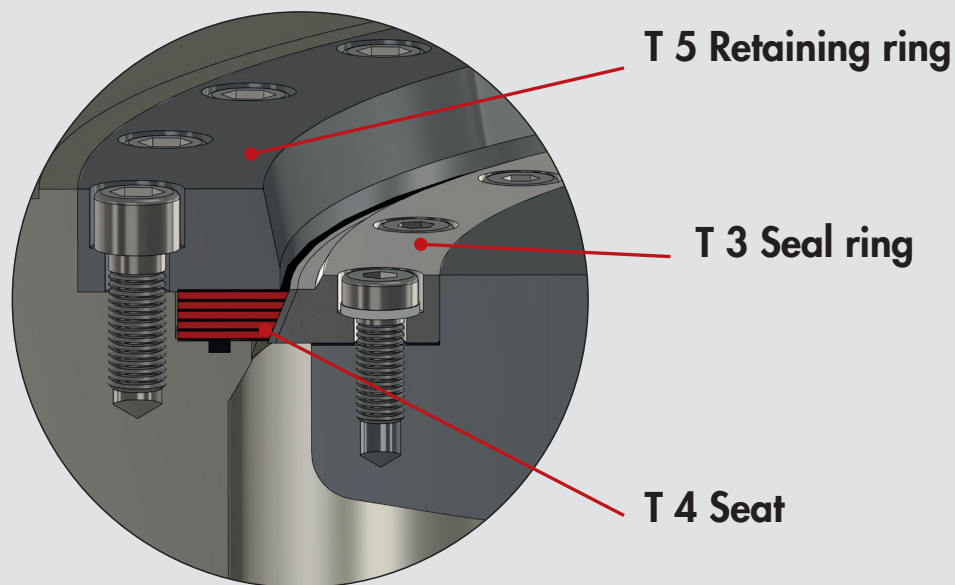


LTR 43-4

LTR 43 TECHNICAL FEATURES



LTR 43 ADVANTAGES



LTR 43-2 the standard solution

- Seat (T4) is protected and covered against particles of the flow in the valve body
- Seat and seating can easily be removed and replaced, sealing area of the solid seal ring (T3) can be stellite
- Valve disc can be thinner (higher CV value)
- Machining of both sealing elements (seat and seal ring) can be easily controlled and monitored
- Sealing combination (T3&4) can be shipped around the world at low costs
- No expensive transport, shut down time and remachining of body seat at manufacturer location is not necessary

SAMSON AT A GLANCE



STAFF

- Worldwide 4,500
- Europe 3,700
- Asia 600
- Americas 200
- Frankfurt am Main, Germany 2,000

INDUSTRIES AND APPLICATIONS

- Chemicals and petrochemicals
- Food and beverages
- Pharmaceuticals and biotechnology
- Oil and gas
- Liquefied Natural Gas (LNG)
- Marine equipment
- Power and energy
- Industrial gases
- Cryogenic applications
- District energy and building automation
- Metallurgy and mining
- Pulp and paper
- Water technology
- Other industries

PRODUCTS

- Valves
- Self-operated regulators
- Actuators
- Positioners and valve accessories
- Signal converters
- Controllers and automation systems
- Sensors and thermostats
- Digital solutions

SALES SITES

- More than 50 subsidiaries in over 40 countries
- More than 200 representatives

PRODUCTION SITES

- SAMSON Germany, Frankfurt, established in 1916
Total plot and production area: 150,000 m²
- SAMSON France, Lyon, established in 1962
Total plot and production area: 23,400 m²
- SAMSON Turkey, Istanbul established in 1984
Total plot and production area: 11,100 m²
- SAMSON USA, Baytown, TX, established in 1992
Total plot and production area: 20,000 m²
- SAMSON China, Beijing, established in 1998
Total plot and production area: 47,000 m²
- SAMSON India, Pune district, established in 1999
Total plot and production area: 28,000 m²
- SAMSON Russia, Rostov-on-Don, established in 2015
Total plot and production area: 24,000 m²
- SAMSON AIR TORQUE, Bergamo, Italy
Total plot and production area: 27,000 m²
- SAMSON CERA SYSTEM, Hermsdorf, Germany
Total plot and production area: 14,700 m²
- SAMSON KT-ELEKTRONIK, Berlin, Germany
Total plot and production area: 1,100 m²
- SAMSON LEUSCH, Neuss, Germany
Total plot and production area: 18,400 m²
- SAMSON PFEIFFER, Kempen, Germany
Total plot and production area: 20,300 m²
- SAMSON RINGO, Zaragoza, Spain
Total plot and production area: 19,000 m²
- SAMSON SED, Bad Rappenau, Germany
Total plot and production area: 10,400 m²
- SAMSON STARLINE, Bergamo, Italy
Total plot and production area: 27,000 m²
- SAMSON VDH PRODUCTS, the Netherlands
Total plot and production area: 12,000 m²
- SAMSON VETEC, Speyer, Germany
Total plot and production area: 27,100 m²

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