

# LESER

## at a glance



**LESER**

[The-Safety-Valve.com](http://The-Safety-Valve.com)

## LESER products in configuration for Indian requirements



### Type 526 API Series for Steam, Gas and Liquid Service

#### Applications

- Oil & gas – Onshore & offshore
- Refineries
- Chemical & petrochemicals
- EPC contractors
- Storage vessels & Tanks
- Fertilizers

#### Product features

- Full Nozzle Safety Relief Valve
- Flanged connections meeting API 526 requirements.
- Size: 1" (Inlet) to 8" (Inlet)
- Pressure Range: 0.2 bar<sub>g</sub> to 413 bar<sub>g</sub> (max.)

**“UV” Stamped**

**IBR approved**

**CCoE / PESO approved**

### Type 441 Standard & High Pressure Series for Steam, Gas and Liquid Service

#### Applications

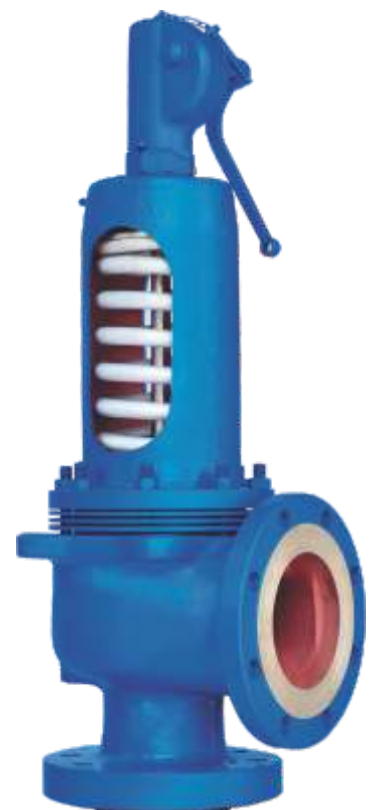
- Chemical & petrochemicals
- Pharma & Bulk drugs
- Power, Boilers & related
- Fertilizers
- Steel, Paper etc.
- Process Industries
- Equipment manufacturers

#### Product features

- Full Nozzle, Full Lift Safety Relief Valve
- Flanged connections as per ASME B 16.5
- Size: 25mm (Inlet) to 200mm (Inlet)
- Pressure Range 0.1 bar<sub>g</sub> to 160 bar<sub>g</sub>
- Sizing, selection & performance in accordance with ASME/API

**IBR approved (along with attachment 8)**

**CCoE / PESO approved**





## Type 459 Series for Steam, Gas and Liquid Service

### Applications

- Technical gases
- Process plant machinery
- Thermal relief
- Offsite utilities (Steam, water)
- Compressors & Pumps
- LPG/LNG Terminals

### Product features

- Screwed as well as flanged connections
- Size: 1/2" (inlet) to 1 1/2" (inlet)
- Pressure Range: 0.2 bar<sub>g</sub> to 600 bar<sub>g</sub>
- Other sizes and higher pressures are available from German manufacturing facility

**“UV” Stamped**

**IBR Approved**

**CCoE/ PESO approved**

## Type 237 Series for Steam, Gas and Liquid Service

### Applications

- Chemical
- Technical gases
- Cryogenic service
- Process plant machinery
- Thermal relief
- Pharma equipment
- offsite utilities (Steam, water)
- Compressors & Pumps
- LPG/LNG Terminals

### Product features

- Complete Valve is Stainless Steel MOC
- Screwed as well as flanged connections
- Compact design with light weight construction
- Size: 10mm (3/8") to 25mm (1") Inlet
- Pressure Range: 0.1 bar<sub>g</sub> to 180 bar<sub>g</sub>

**IBR approved**

**CCoE/ PESO approved**



## LESER global product groups



### API

API Safety Valves used where design, selection and certification is in accordance with ASME sec VIII Div 1 / API RP520 / API526

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### High Performance

High capacity related to the valve size  
High adaptability, Excellent price / performance ratio

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### High Efficiency

Pilot Operated Safety Valves increase the efficiency and Productivity of a plant to be protected. Closer tightness, Higher back pressure, Higher operating to set Pressure ratios

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### Clean Service

Product group represents High aseptic properties, low dead space and best cleanability.

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### Change-over

valves are used in Various industries in order to ensure uninterrupted operation and minimize safety risks due to unplanned shut down periods.

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## Why LESER

### 6 good reasons to use LESER safety valves

1

#### Global Player

LESER's sales network is present in all core markets around the world. This enables LESER to act as a local provider, having fundamental knowledge of the local market, the cultural environment and understanding the customers.

2

#### Product Range

LESER's product range includes 9 product groups with altogether 40 safety valve types. This means that LESER's product range offers the right product for almost every application. Multiple options and special materials complete the range as well as client-specific solutions. All safety valves have the necessary certifications for world-wide applications. As a partner LESER offers a complete knowledge in all ranges of possible applications of safety valves and is well established in the PED and the ASME field.

3

#### Quality

LESER's strength is based on advanced advisory skills and support services as well as excellent product and service quality. Modern manufacturing methods, testing facilities for air, liquids and steam (ASME and PED approved), standardized and controlled processes as well as motivated and highly qualified employees ensures LESER a great competitive advantage. LESER's quality management disposes of multiple certifications and supervises all steps of development, engineering and manufacturing. LESER Safety Relief Valves are unique in design. The final assembly is mainly carried out locally. A product 100% made in Germany can also be provided.

4

#### Sustainability

LESER looks back on a history of over 200 years and is one of the first manufacturers of safety valves world-wide. The company is family owned for the past 5 generations. 100 % of the shares are family-owned. The LESER family reinvests continuously in state-of-the-art machinery and raw material stocks to keep ahead on future standards. This trust in LESER and its products is proved by a world-wide installed base of more than 2,000,000 safety valves.

6

#### Price

A highly automated production guarantees an attractive cost / performance ratio for safety valves and spares. LESER continuously invests in personnel, machinery and buildings to continue to provide this cost / performance ratio and service quality to its customers.

5

#### Reliability

The reliability of LESER and its products is an inherent part of the corporate philosophy. This philosophy is characterized by high compliance with confirmed delivery dates, sustainable actions, highest quality as well as reinvestments of more than 16 Mil. € in the past few years in production facilities and the company in general. All safety valve series are thoroughly engineered and routinely undergo exhaustive checks in LESER's own TÜV and ASME-certified test laboratory. This is how LESER can offer a consistently high quality of products and services to the customer.

