

# Technical Gases

## LESER Industry Solution

LESER provides safety valves for transportation, storage and processing of technical gases. LESER safety valves are used by leading companies worldwide (see below). As a full range supplier LESER provides safety valves for all industrial applications.

Safety valves provide overpressure protection e.g. for:

- Air separation plants in case of an unexpected malfunction
- Piping systems against thermal expansion
- Cylinder filling stations and compressors in case of failure
- Vessels and other process equipment



## Customers

- Air Liquide S.A.
- Air Products & Chemicals, Inc.
- Cepsa S.A.
- Enagás S.A.
- Linde AG
- Messer Group GmbH
- Petronas
- Tyczka GmbH & Co. KGaA
- Westfalen AG

## LESER Product Solution

### Compact Performance

#### Product Features

- Valve sizes from 3/8" to 1 1/2"
- Materials: 0.7043, 1.0619 / WCB, 1.4404 / 316L, 1.4408 / CF8M, high alloys
- Threaded or flanged connections
- Standard metal seat, stellite, O-ring or sealing plate for improved seat tightness
- Optional bellows design available
- Temperature: -270 °C to +538 °C
- Single trim for steam, gas and liquid
- Set pressure from 0.1 bar to 850 bar

#### Benefits

- Great variety of threaded and flanged connections for high flexibility (including Swagelok®)
- High capacity relative to the safety valve size for maximised efficiency
- Bellows design for back pressure and corrosive applications
- Vulcanized and sealing plate seating options to meet application requirements
- Self draining body for less corrosion



Series 459

Series 437

### High Performance

#### Product Features

- Valve sizes from DN 20 to DN 400, 3/4" to 16"
- Materials: 0.6025, 0.7043, 1.0619 / WCB, 1.4408 / CF8M, 1.7357 / WC6
- Flange connections according to DIN EN, ASME and other
- Single trim for steam, gas and liquid
- Standard metal sealing, stellite, or O-ring disc for superior tightness
- Optional bellows design available
- Temperature: -270 °C to +550 °C
- Set pressure from 0.1 bar to 300 bar

#### Benefits

- High capacity compared to API safety valves enables smaller valve size and lower investment costs
- Easy adaptation to respective application due to great variety of options
- Lower total cost of ownership based on optimised design
- No dirt disposition due to self draining body
- Simple and sturdy design for high reliability and maintainability

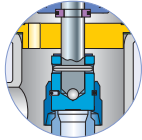

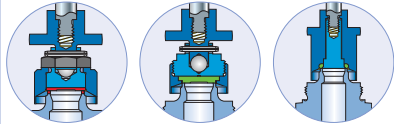





Series 441

# LESER

The-Safety-Valve.com

# Advantages

Feature	Single Trim	Non-upright Installation	Sealing Solutions
			
<b>Benefit</b>	<ul style="list-style-type: none"> <li>• Same parts for all services for easier maintenance</li> <li>• No changes for ASME, PED or AQSIQ (Compact Performance) approval</li> <li>• Less parts reduce spare part stock</li> </ul>	<ul style="list-style-type: none"> <li>• Space saving installation</li> <li>• Type test approval for Series 437 available. Most others possible for &gt; 3 bar</li> <li>• High flexibility of equipment design</li> </ul>	<ul style="list-style-type: none"> <li>• Stellite or hardened metal sealing for longer product life</li> <li>• Disc with inserted sealing plate for improved tightness and low temperatures</li> <li>• Soft seal O-ring discs for superior tightness</li> </ul>

Feature	Broad Product Range	Documentation	Made in Germany; Assembled Locally
			
<b>Benefit</b>	<ul style="list-style-type: none"> <li>• Solutions for all industrial applications for steam, gas and liquid</li> <li>• Facilitates coordinated planning, delivery and sizing from one source</li> <li>• Highest flexibility for implementing special solutions</li> </ul>	<ul style="list-style-type: none"> <li>• Documentation for worldwide applicability acc. to the common standards as standard</li> <li>• Certificates, 2D and 3D images available online</li> <li>• Online documentation available for new and older purchases</li> </ul>	<ul style="list-style-type: none"> <li>• All products exclusively made in Germany</li> <li>• Large local stocks for short delivery times</li> <li>• In cases of an emergency same day delivery possible</li> </ul>

# Additional Products



**High Efficiency**



**Modulate Action**



**API**



**Critical Service**



**Clean Service**



**Best Availability Change-over Valve**

810, 820	429, 433	526	447	48x	310, 311 XXL
DN 25 to DN 200	DN 15 to DN 150	DN 25 to DN 200	DN 25 to DN 100	DN 25 to DN 100	DN 25 to DN 500
1" to 8"	1/2" to 6"	1" to 8"	1" to 4"	1" to 4"	1" to 20"
2.5 to 63 bar	0.2 to 160 bar	0.1 to 414 bar	0.1 to 16 bar	0.1 to 68 bar	PN 10 to PN 160

### For further information please contact:

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Your local partner:

### Worldwide Approvals

Europe	ISO 4126-1 / -4
Germany	AD 2000-Merkblatt A2
United States	ASME Sec. VIII Div. 1
Canada	CRN
China	AQSIQ
Russia	ROSTECHNADZOR / GOST R

For further information visit [www.leser.com](http://www.leser.com)



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