

Chemical Industry

LESER Industry Solution

The chemical industry converts raw materials (e.g. oil, natural gas, minerals) into more than 70,000 different products. Safety valves are essential for the safety of personnel and equipment.

Safety valves provide overpressure protection e.g. for:

- Vessels and other process equipment in case of unexpected malfunction within the facility
- Piping systems against thermal expansion
- Reducing stations in case of failure
- Chemical reactors or autoclaves



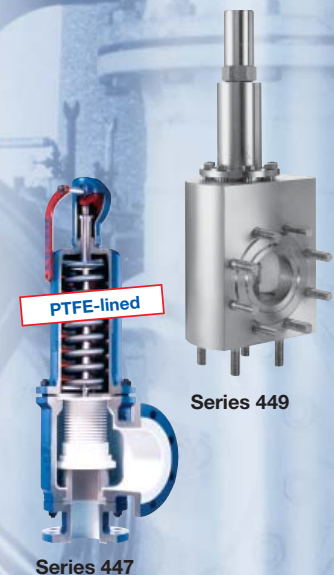
Customers

- Akzo Nobel N.V.
- BASF SE
- Bayer AG
- Dow Chemical Company
- Eastman Chemical Company
- Evonik Industries AG
- Merck KGaA
- Solvay S.A.
- Wacker Chemie AG

LESER Product Solution

Critical Service

Product Features	Benefits
<ul style="list-style-type: none">• Valve sizes from DN 25 to DN 100, 1" to 4"• Materials: 0.7043, WCB / 1.0619, 1.4404 / 316L, high alloys• Isostatic lining in virgin PTFE• Smooth PTFE surface, no adherence• Nozzle: PTFE / glass sintered• Single trim for steam, gas and liquid• Optional bellows design available• Temperature: -85 °C to +200 °C• Set pressure from 0.1 bar to 16 bar	<ul style="list-style-type: none">• Cost-effective alternative to high alloyed materials• Applicable for high-corrosive and toxic media• No dirt disposition due to self draining body• Different PTFE lining options according to the application• Duct system for flushing with protective gas• High wear resistance due to thick and stable PTFE lining



High Performance

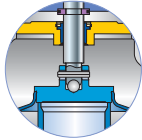

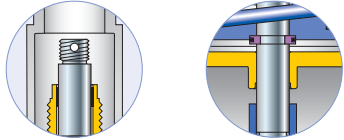



Product Features	Benefits
<ul style="list-style-type: none">• Valve sizes from DN 20 to DN 400, 3/4" to 16"• Materials: 0.6025, 0.7043, 1.0619 / WCB, 1.4408 / CF8M, 1.7357 / WC6• Flange connections according to DIN EN, ASME and other• Single trim for steam, gas and liquid• Standard metal sealing, stellited, 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	<ul style="list-style-type: none">• 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



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The-Safety-Valve.com

Advantages

Feature	Single Trim	Horizontal Transport and Installation	Guided Spindle
Benefit			
	<ul style="list-style-type: none"> • Same parts for gas, liquid and steam services for easier maintenance • No changes for ASME, PED or AQSIQ approval • Less parts reduce spare part stock 	<ul style="list-style-type: none"> • Space saving installation • Less freight charge • Lower risk of damages in horizontal transport due to allocation of balanced point 	<ul style="list-style-type: none"> • Two point guiding enables less friction and less galling • Better alignment • Easier assembly for maintenance
Feature	Broad Product Range	Documentation	Made in Germany; Assembled Locally
Benefit			
	<ul style="list-style-type: none"> • Solutions for all industrial applications for steam, gas and liquid • Facilitates coordinated planning, delivery and sizing from one source • Highest flexibility for implementing special solutions 	<ul style="list-style-type: none"> • Documentation for worldwide applicability acc. to the common standards as standard • Certificates, 2D and 3D images available online • Online documentation available for new and older purchases 	<ul style="list-style-type: none"> • All products exclusively made in Germany • Large local stocks for short delivery times • In cases of an emergency same day delivery possible

Additional Products



API



Modulate Action



Compact Performance



High Efficiency



Clean Service



Best Availability Change-over Valve

526	429, 433	437, 459	810, 820	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 500
1" to 8"	1/2" to 6"	3/8" to 1 1/2"	1" to 8"	1" to 4"	1" to 20"
0.1 to 414 bar	0.2 to 160 bar	0.1 to 850 bar	2.5 to 63 bar	0.1 to 68 bar	PN 10 to PN 160

For further information please contact:

LESER GmbH & Co. KG
 Wendenstraße 133-135, 20537 Hamburg, Fon +49 40 251 65-100
 Fax +49 40 251 65-500, E-Mail: sales@leser.com, www.leser.com

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



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