

Petrochemical Industry

LESER Industry Solution

The petrochemical industry manufactures products from raw materials of petroleum or natural gas. LESER safety valves are used by leading companies worldwide (see below).

Safety valves provide overpressure protection for:

- Vessels and other process equipment in the event of unexpected malfunction
- Piping systems against thermal expansion
- Pressure reducing stations in case of failure
- Rectification columns



Customers

- BP plc
- Chevron Corporation
- ConocoPhillips Company
- ExxonMobil Corporation
- Petrobras S.A.
- Petronas
- Royal Dutch Shell plc
- Saudi Aramco
- Total S.A.

LESER Product Solution

API

Product Features

- Valve sizes from DN 25 to DN 200, 1" to 8" orifice D through T
- Materials: 1.0619 / WCB, 1.4408 / CF8M, 1.7357 / WC6, LCB, High Alloys
- Standard metal seat, stellited, 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 414 bar

Benefits

- Designed and built in accordance with API
- Full API-range available
- Lower total cost of ownership based on optimised design
- Self-draining body for less corrosion
- Support brackets for easy handling and installation
- LESER Nanotightness exceeds the requirements for functional tightness of API 527 by 50%, as standard for metal-to-metal sealing

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 sealing, stellited, or O-ring disc for superior 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
- High capacity relative to the safety valve size for maximised efficiency
- Bellows design for back pressure and corrosive applications
- Vulcanised and sealing plate seating options to meet application requirements
- Self-draining body for less corrosion
- LESER Nanotightness for metal-to-metal sealing



Series 526



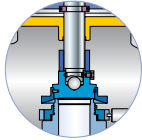
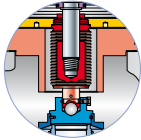
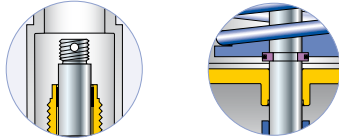
Series 459

Series 437

LESER




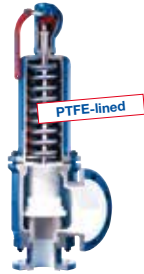


The-Safety-Valve.com

Advantages

Feature	Single Trim	Shielded Bellows	One-piece Spindle
			
Benefit	<ul style="list-style-type: none"> • Same parts for all services for easier maintenance • No changes for ASME, PED or AQSIQ approval • Less parts reduce spare part stock 	<ul style="list-style-type: none"> • Bellows shielded from flow turbulence and particulates • Longer bellows life • Less expensive than the competition 	<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	LESER Nanotightness	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"> • LESER Nanotightness exceeds the requirements for functional tightness of API 527 by 50% • Standard for all LESER safety valves with metal-to-metal sealing • No additional costs or delivery time 	<ul style="list-style-type: none"> • All products exclusively made in Germany • Large local stocks for short delivery times • Same day delivery possible in cases of an emergency

Additional Products

					
High Performance	Modulate Action	High Efficiency	Critical Service	Clean Service	Best Availability Change-over Valve
441, 458, XXL	433	810, 820	447, 449, 546	48x	310
DN 20 to DN 400	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
3/4" to 16"	1/2" to 6"	1" to 8"	1" to 4"	1" to 4"	1" to 20"
0.1 to 300 bar	0.2 to 160 bar	2.5 to 426 bar	0.1 to 16 bar	0.1 to 68 bar	PN 10 to PN 160

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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	EAC

For further information visit www.leser.com



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