

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 e.g. for:

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



Customers

- BP plc
- Chevron Corporation
- Conoco Phillips Company
- Exxon Mobil Corporation
- Petrobras S.A.
- Petronas
- Royal Dutch Shell plc Petrobras
- Saudi Aramco
- Total S.A.

LESER Product Solution

API	
Product Features	Benefits
<ul style="list-style-type: none"> • 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 • 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 414 bar 	<ul style="list-style-type: none"> • 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



Series 526

Compact Performance	
Product Features	Benefits
<ul style="list-style-type: none"> • 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, stellite, 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 	<ul style="list-style-type: none"> • 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 • Vulcanized and sealing plate seating options to meet application requirements • Self draining body for less corrosion



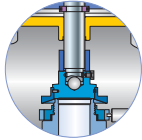
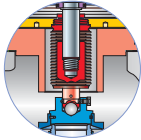
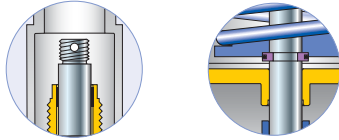
Series 459




Series 437

LESER

The-Safety-Valve.com

Advantages

Feature	Single Trim	Shielded Bellows	Guided 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	Non-upright Installation	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"> • Type test approval for Series 437 available. Most others possible for 3 bar • High flexibility of equipment design • Space saving installation 	<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



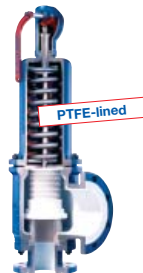
High Performance



Modulate Action



High Efficiency



Critical Service



Clean Service



Best Availability Change-over Valve

441, 458, XXL	429, 433	810, 820	447, 449, 546	48x	310, 311 XXL
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 63 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	ROSTECHNADZOR / GOST R

For further information visit www.leser.com



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