

Oil and Gas Industry

LESER Industry Solution

LESER offers safety valves for the upstream (exploration, production and transportation) and downstream (cracking) oil and gas industry. 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 the event of unexpected malfunction
- Piping systems against thermal expansion
- Pressure increasing stations in case of failure
- Christmas-trees of oil wells



Customers

- BP plc
- Chevron Corporation
- ExxonMobil Corporation
- Linde AG
- Petrobras S.A.
- PetroChina Ltd.
- Petronas
- Royal Dutch Shell plc
- 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 sealing, 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

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



Series 526

High Efficiency

Product Features

- Valve sizes from DN 25 to DN 200, 1" to 8" orifice D through T
- Materials: 1.0619/WCB, 1.4408/CF8M, LCB
- Pop action and modulate action design
- Temperature: -45 °C to +200 °C
- Single trim for steam, gas and liquid
- Set pressure from 2.5 bar to 426 bar

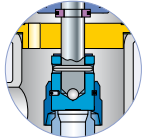

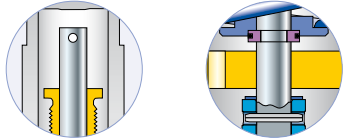



Benefits

- Less parts and less leakage possibilities due to internal connection between pilot and main valve
- Backflow preventer is included for superior back pressure performance
- Shorter blowdown for better operation and less product loss (pop action)
- Higher capacity in smaller valve size with extra orifice (full bore) design
- Support brackets for easy handling and installation
- LESER Nanotightness for metal-to-metal sealing




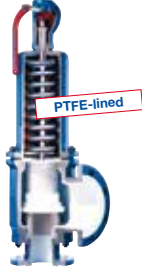




Series 810, 820

Advantages

Feature	Single Trim	Pilot Valve Design	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"> • Pilot directly connected with main valve • Tubing integrated in the cover • Backflow preventer as standard 	<ul style="list-style-type: none"> • Two-point guiding enables less friction and less galling • Better alignment • Easier assembly for maintenance
Feature	LESER Nanotightness	Documentation	Made in Germany; Assembled Locally
Benefit			
	<ul style="list-style-type: none"> • LESER Nanotightness exceeds the requirements for functional tightness of API 527 by 50% • As standard for all LESER safety valves with metal-to-metal sealing • No additional costs or delivery time 	<ul style="list-style-type: none"> • Documentation for worldwide applicability according 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

					
High Performance	Modulate Action	Compact Performance	Critical Service	Clean Service	Best Availability Change-over Valve
441, 458, XXL	429, 433	437, 459	447, 449, 546	48x	310
DN 20 to DN 400	DN 15 to DN 150		DN 25 to DN 100	DN 25 to DN 100	DN 25 to DN 500
3/4" to 16"	1/2" to 6"	3/8" to 1 1/2"	1" to 4"	1" to 4"	1" to 20"
0.1 to 300 bar	0.2 to 160 bar	0.1 to 850 bar	0.1 to 16 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	EAC

For further information visit www.leser.com



LESER

The-Safety-Valve.com