

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 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 within the facility
- Piping systems against thermal expansion
- Pressure increasing stations in case of failure
- Christmas-trees of oil wells



Customers

- BP plc
- Chevron Corporation
- Exxon Mobil Corporation
- Linde AG
- Petrobras S.A.
- PetroChina Ltd.
- Petronas
- Royal Dutch Shell plc
- 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 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 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

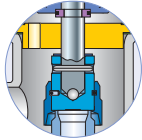

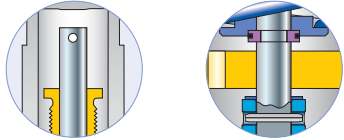
High Efficiency




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, 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 63 bar (DIN EN)	<ul style="list-style-type: none">• 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









Series 810, 820

Advantages

Feature	Single Trim	Pilot Valve Design	Guided Spindle
			
Benefit	<ul style="list-style-type: none"> • Same parts for all services for easier maintenance • No changes for ASME, PED or AQSIQ (Compact Performance) 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	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

					
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, 311 XXL
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

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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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