

Petrochemical Industry

LESER Industry Solution

The petrochemical industry manufactures products from raw materials of petroleum or natural gas. LESER safety valves are important 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
- Piping systems against thermal expansion
- Reducing stations in case of failure
- Rectification columns



Customers





- BP
- Saudi Aramco
- Exxon Mobil
- Shell
- Chevron
- Conoco Phillips
- Petrobras
- EnCana
- Total

LESER Product Solution

API   CRN  	
Product Features	Benefits
<ul style="list-style-type: none"> • Valve sizes 1" through 8", Orifice D through T • Materials: WCB, CF8M, WC6, LCB, specials • Standard metal seat, stellite, O-ring or sealing plate for improved seat tightness • Optional bellows design available • Temperature: -450 °F to + 1,000 °F • Single trim for steam, gas and liquid • Set pressure from 7.25 psig to 6,000 psig 	<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 • Longer lifetime due to harder surface of disc and nozzle • Self draining body for less corrosion • Support brackets for easy handling and installation



Series 526

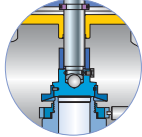
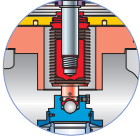
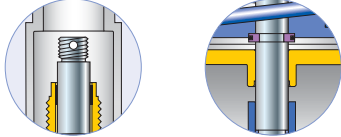



Compact Performance   CRN  	
Product Features	Benefits
<ul style="list-style-type: none"> • Valve sizes from 1/2" through 1 1/2" • Materials: WCB, CF8M, 316L specials • Threaded or flanged connections • Standard metal sealing, stellite, or O-ring disc for superior tightness • Optional bellows design available • Temperature: -450 °F to + 1,000 °F • Single trim for steam, gas and liquid • Set pressure from 1.5 psig to 12,325 psig 	<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

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"> • Better guiding / less friction equals 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"> • Space saving installation • High flexibility of equipment design • Type test approval for Series 437 available. Most others possible for >45 psig 	<ul style="list-style-type: none"> • All products exclusively made in Germany • Large local stock in the USA for one week delivery or less • In cases of an emergency same day delivery possible

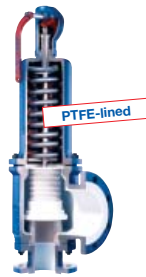
Additional Products



High Performance



Pilot Operated Safety Valve



Critical Service



Clean Service



Best Availability Change-over Valve

441, 458, XXL	810, 820	447	48x	310, 311 XXL
1" to 16"	1 D 2 to 8 T 10	1" to 4"	1" to 4"	1" to 20"
1.5 to 4,350 psig	36 to 1,480 psig	1.45 to 232 psig	1.5 to 986 psig	

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Worldwide Approvals

Europe	ISO 4126-1
Germany	AD 2000-Merkblatt A2
United States	ASME Sec. VIII Div. 1
Canada	CRN
China	AQSIQ
Russia	GGTN / GOSGOTECHNADZOR / GOST R



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