LESER USP's vs. Competition
High Efficiency Series 810

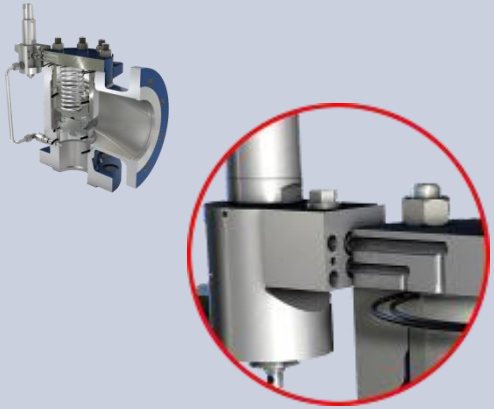
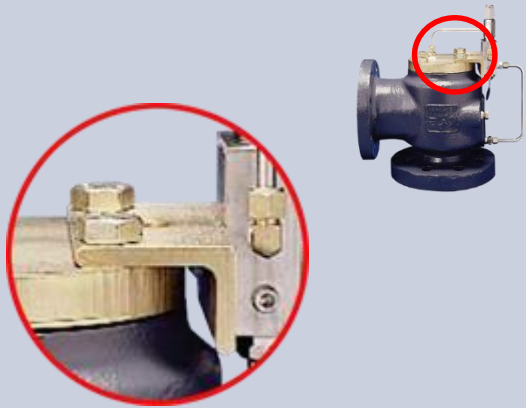
Objectives of this Presentation. Knowledge to learn.

The aim of this Presentation is to point out

the advantages of LESER High Effeciency Series 810

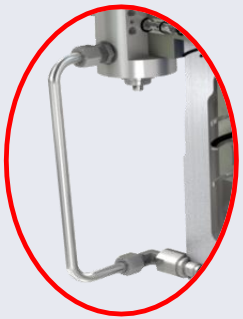
against the competition.

Complete POSV.

LESER	Competitor	Results in
■ Pilot connection directly with main valve	■ Pilot connection with angled connection to the main valve	■ LESER pilot connection is more robust
■ Pilot connection directly with main valve so that no additional piping of dome is needed	■ Pilot connection with dome piping to the main valve cover	■ LESER do not need additional dome piping which leads to less parts and less leakage possibilities
		

Complete POSV.

LESER	Competitor	Results in
■ Compact installation of accessories and no need of additional tubing	■ Additional accessories need much tubing, e.g. for BFP additional piping is required	■ Fewer parts and fewer leakage possibilities

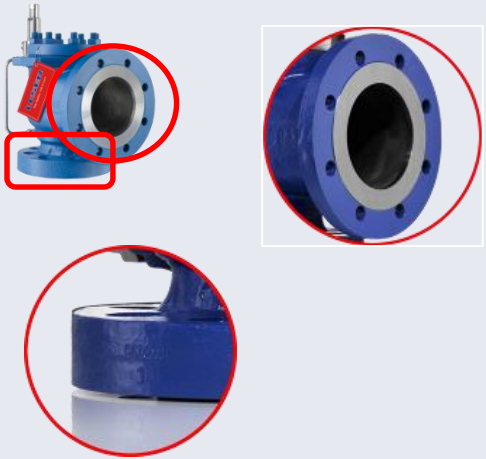


Competitor

Complete POSV.

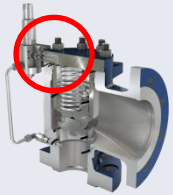
LESER	Competitor	Results in
■ Support brackets on each body - standard	■ No support brackets	■ High reaction forces can be better handled
 	 	

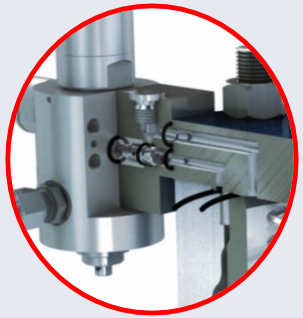
Main Valve.

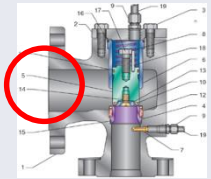
LESER	Competitor	Results in
■ Flange drilling for multiple flange sizes possible ASME, DIN EN ISO, JIS incl. RTJ (Outside diameter and flange thickness can be bigger than standard diameters)	■ Flange according to ASME B16.34 possible	■ Worldwide applicable flanges of LESER body
		

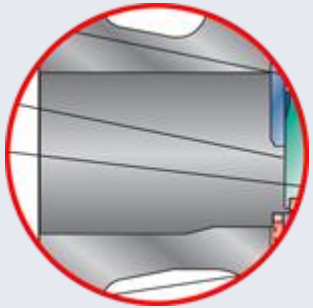
Main Valve.

LESER	Competitor	LESERs Benefit
■ Tubing between pilot valve and main valve integrated into top plate ■ BFP integrated into manifold block as a standard component	■ If BFP is added an additional drilling of pipe connection to main valve has to be done at the outlet of main valve	■ No additional machining and no additional piping necessary ■ No added price for BFT

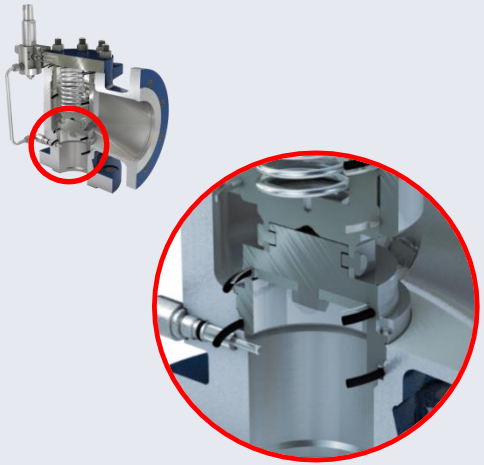
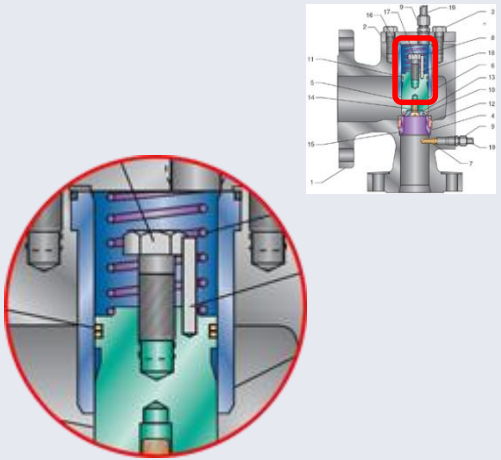




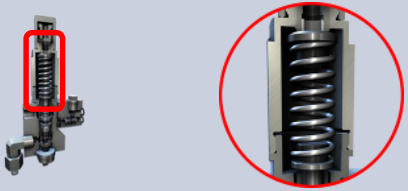
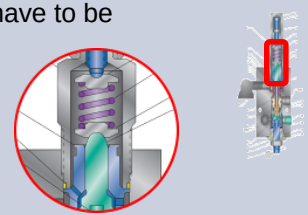
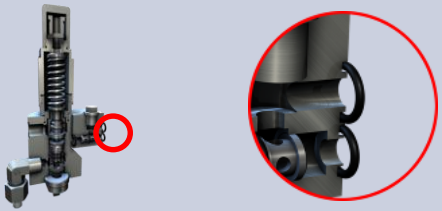
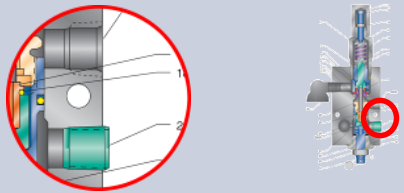




Main Valve.

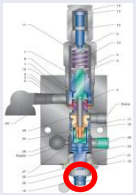
LESER	Competitor	LESERs Benefit
■ Design with no lift restriction of piston ■ Design with various nozzle diameters to achieve Orifice definition	■ Design with lift restriction with stud to achieve the Orifice definition (restricted lift in Red book)	■ No lift restriction required → Prevention of assembly errors which could cause critical plant states
		

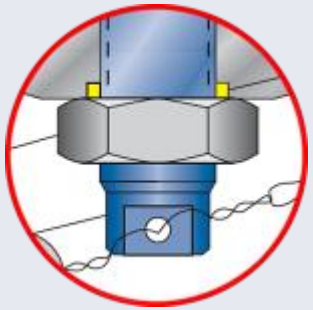
Pilot.

LESER	Competitor	LESERs Benefit
■ The split bonnet enables to replace the spring without completely dismantling the pilot. 	■ Single bonnet leads to loosening of inner parts while dismantling → Soft goods have to be replaced 	■ Simple/quick/safe assembly is ensured, the sensitive sealing elements are not dismantled.
■ The connection to the main valve cover is identical for Pop Action and Modulate Action Pilot. 	■ Connection with additional tubing needed, different connections with angled connection for Modulate Action Pilot 	■ The pilot can easily be replaced.

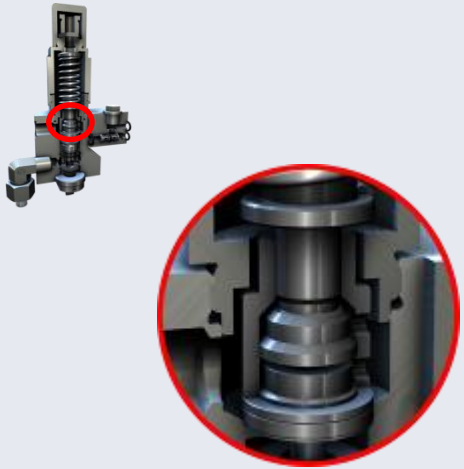
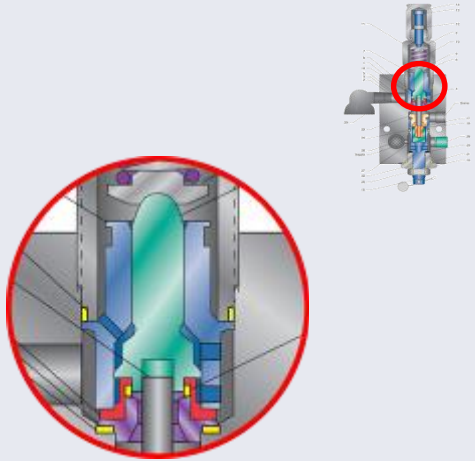
Pilot.

LESER	Competitor	LESERs Benefit
■ No leakage possible when adjusting the blow down, leakage to outside is not possible.	■ Leakage possible when lock nut is loosened of the blow down adjustment	■ Risk potential for maintenance staff is reduced



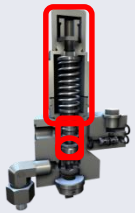


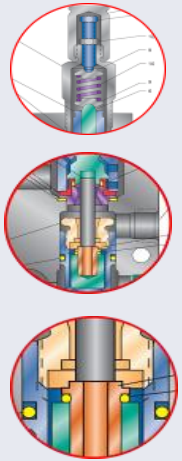
Pilot.

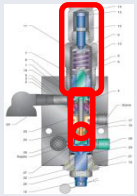
LESER	Competitor	LESERs Benefit
■ Simple assembly of inner parts is given due to wide openings.	■ Deep bore on body top to assemble sensitive parts like lower exhaust seat	■ Sensitive inner parts can be replaced easily and safely even when installed in plant.
		

Pilot.

LESER	Competitor	LESERs Benefit
■ All parts are turned parts.	■ Bonnet and cap from hexagonal semi-finished part	■ Special material requirements can easily be realized.







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Thank you for your attention.