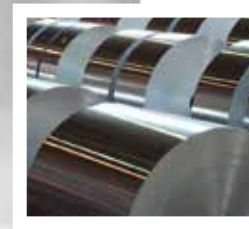
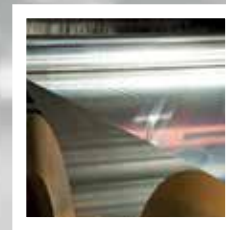
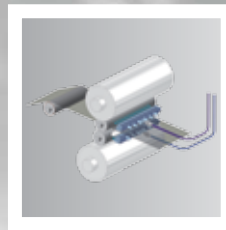


ENGINEERING
YOUR SPRAY SOLUTION



SELECTOSPRAY® Conversion Valves For Roll Cooling Systems



SELECTOSPRAY®

SELECTOSPRAY® ROLL COOLING VALVES

SELECTOSPRAY® from Lechler

The demand for cost effective production pushes all parameters in the rolling process. The requirements for product rolled at ever increasing rolling speeds and reductions, presents complex technical challenges.

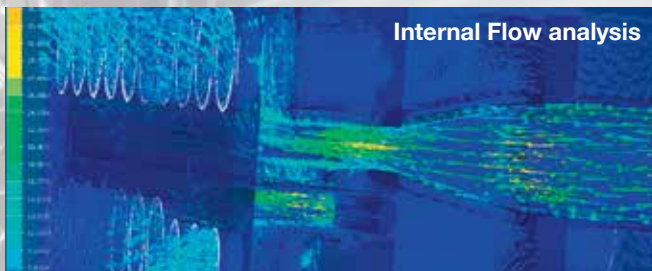
Lechler SELECTOSPRAY® Systems present a performance advantage to improve all aspects of the roll cooling process.

Efficient use of available coolant, through optimised spray positions increases the cooling effect per litre of coolant.

Eliminating cost from the rolling process is all part of the SELECTOSPRAY® experience.

Key features of a SELECTOSPRAY® system are:

- CFD design of header and valves, to optimise flow and reduce pressure losses



- Very robust and reliable construction of headers, valves, nozzles, hoses and cabinets



SELECTOSPRAY® Benefits

- Significantly improves rolled product flatness
- Contributes to extended work roll life
- Efficient application reduces applied volumes
- Reduces costs of coolant recovery
- Improved energy savings

Lechler Conversion Valves Robust, Reliable, Simple:

- Contamination tolerant
- Large orifices – high flow
- Completely removable from the header front
- Quick response time suitable for pulsing

Electro Pneumatic Conversion valves

Modulax Conversion A



- Improved flow from your existing headers.
- No diaphragm – Greater availability
- Roll Faster
- Roll Harder Materials
- Longer Rolling Campaigns



MODULAX CONVERSION VALVE (A) 52MM / 2"



- Cable Free – No wires
- No orientation required
- 5 Hz pulsing
- 174 l/min @10bar

The Lechler Modulax Conversion (A) is used for revamps in existing rolling mills where Davy Electropneumatic valves are utilized.

The valve is an electro pneumatic valve that provides all the benefits of the Modulax valve, with the reaction time and pulse rate of an electrical valve.

The Modulax Conversion Valve (A) is particularly suitable for mills rolling softer metals such as aluminium, non-ferrous metals and specialist high speed or hard metals. It can also be supplied as a normally closed version (for inflammable liquids like kerosene or rolling oil).

For steel applications it can be used in the fail open mode for use in Hot Mills with emulsion based coolants.

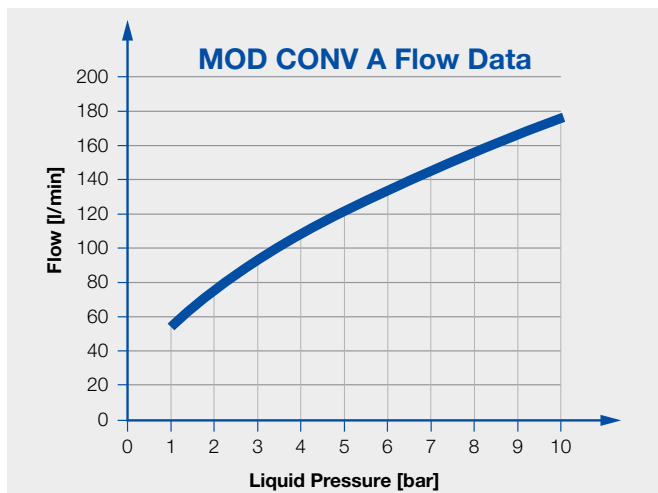
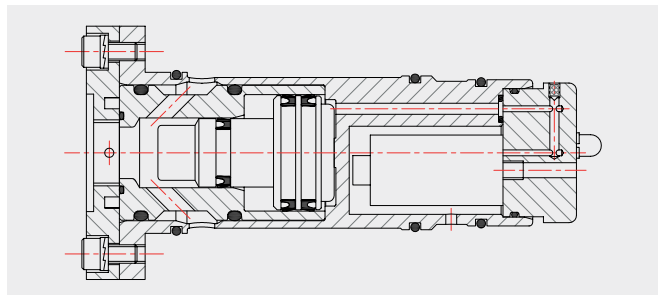
Features

- Completely cable free
- Self-aligning, ensuring a perfect connection every time
- Class leading flow capability
- Pulse rate up to 5Hz
- Operating typically at 52mm centres (50mm optional)
- Stainless steel construction
- Long life and easy to maintain
- Can be fitted with nozzle blocks or the Lechler Selectospray® nozzle range

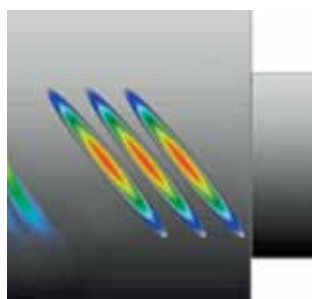
Advantages

- No flow limiting Diaphragm
- Large orifices for a laminar flow and a stable spray pattern, providing effective and precise roll cooling
- Easily and completely removable from the front of the header
- No requirement to remove the header from the mill window

Product code 961.MOD.CO.NV.A0.0



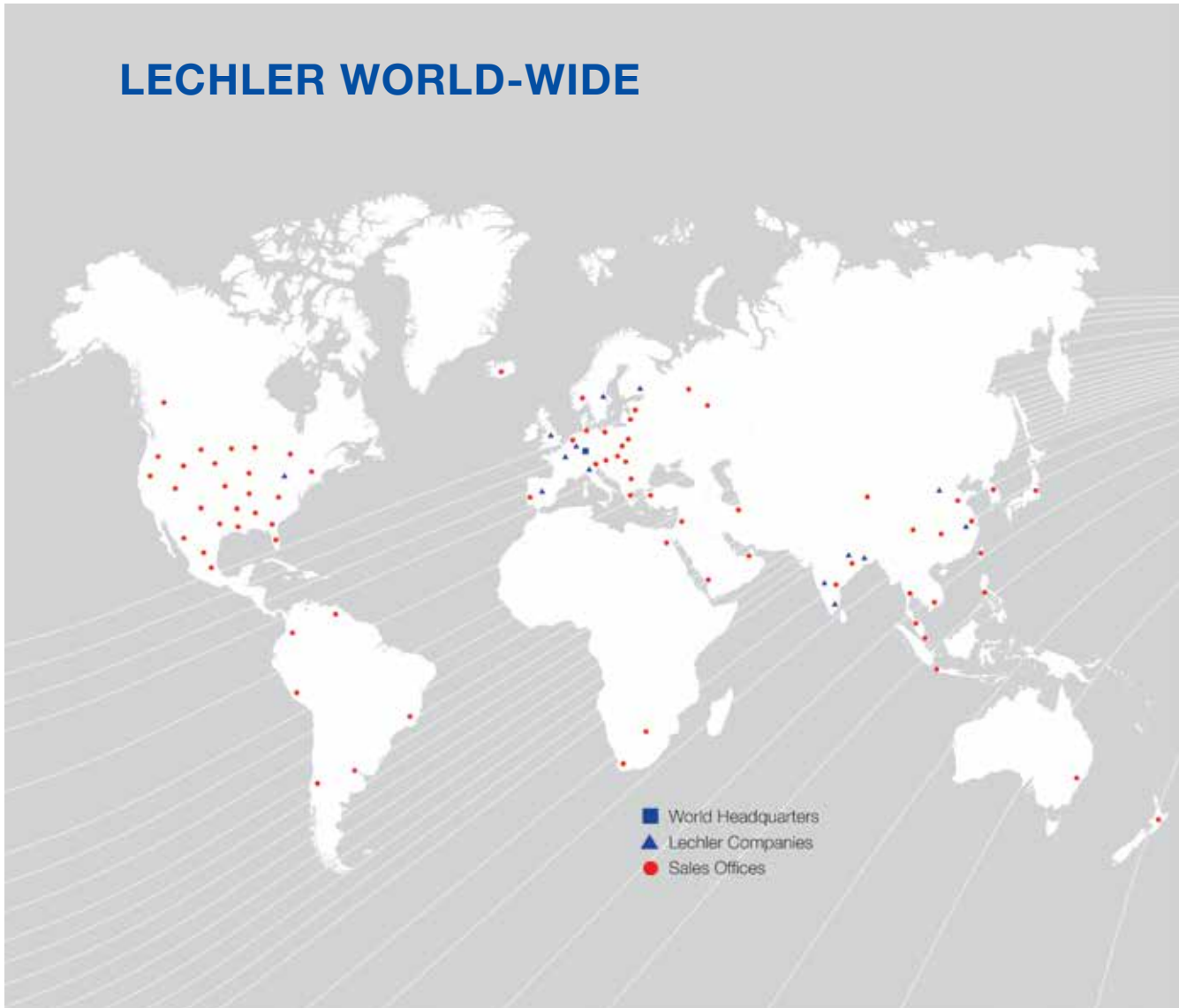
Conversion cartridge, Pressure v Flow Diagram



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