



Thermo Transcal

TRANSCAL HEAT EXCHANGERS

A SUSTAINABLE VALUE FOR YOUR INDUSTRY



- + More than 2000 installations around the world
- + State-of-the-art heat exchangers
- + Efficiency up to 8 times higher than other exchangers
- + Very compact heat exchanger thanks to the high value of the heat transfer coefficient : compactness up to 8 times smaller
- + Competitive price
- + Fast manufacturing from pre-machined modules
- + Very high heat transfer between fluids thanks to the Drills system
- + Low thermal inertia
- + Maximum safety thanks to a special design of the heads in which there is no welding between tubes and shell
- + Low pressure drop thanks to the Drills system architecture
- + Minimum fouling thanks to the turbulent flow : less maintenance and cleaning
- + No welding between tubes and shell : free choice of materials
- + Manufacturing flexibility with a unique modular construction
- + Easy increase of the heat exchanger power by adding additional modules or by changing the gap between Drills in the same exchanger



Very high efficiency

2 to 8 times more

Self cleaner

+

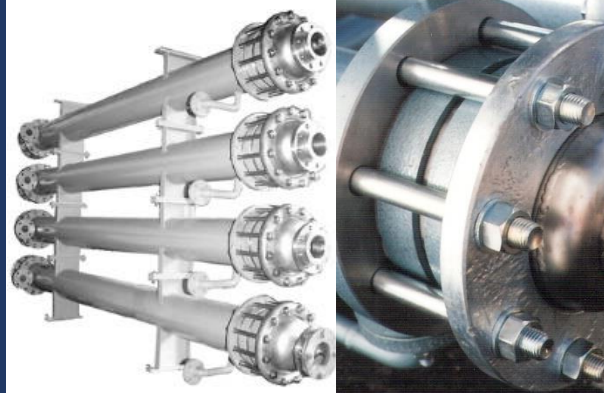
$$\alpha = Nu \cdot \lambda / d$$

$$Nu = C \cdot (Re^{(n)}) \cdot (Pr^{(m)})$$

Scalability
and
compactness

Safety against
mixing fluids

www.thermo-transcal.ca
contact@thermo-transcal.ca
(+1) 450 374 1402
(+1) 514 377 7787



Bolted heads

The only heat exchanger assembled without welding between the IN and EX circuits, which facilitates maintenance and considerably extends the service life of the device.

This design makes it impossible, even in case of sealing failure, the mixing of the fluids.

