

Hydraulic Oil Coolers & Heat Exchangers



Pilán®

The Pilán® High Quality Design Features

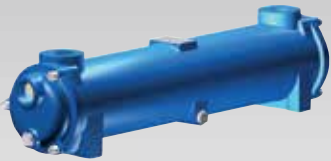
- Fully floating Tube Stack: easy maintenance.
- Thermal Efficiency: Thanks to the precision Machining, no recess between the inner shell wall and the baffles to avoid thermal losses.
- High Thermal Coefficient; thanks to the three passes design, both fluids circulating countercurrent so smaller units can achieve better performance.
- High Thermal Exchange Factor; thanks to the extra thin walled tubes of 0.3 mm. Multiple 6.5 mm O.D improving the heat exchanging surface.
- Easing maintenance thanks to the replaceable bolted covers; brass made ensuring corrosion free sealing.
- Brass made drainage plug, no thread pitch jamming.

Hydraulic Oil Coolers & Heat Exchangers

6 main series with 33 standard models up to 500 KW

STANDARD

Serialized manufacture with aluminum shell and brass covers with threaded oil and water ports and Copper tubes. For any heat transfer fluid and fresh water cooling fluid. Usual application on hydraulic Power Packs in industrial systems and hydro equipment.



MARINE

Serialized manufacture with aluminum shell and brass covers with threaded oil and water ports and Copper- Nickel 90/10 tubes. For any heat transfer fluid and seawater cooling fluid. Usual application on main and auxiliary marine engines, lube oil jacket engines, gear-boxes, winches, ballast systems, on board hydraulic Power Packs and other marine systems and equipment.



FULL FLOW AND UNDERGROUND MINING

One or two passes design for larger flow arrangement; with flanged ports and pure Copper or Copper- Nickel 90/10 tubes. For any heat transfer fluid and seawater cooling fluid. Shell design made in cast iron or bronze with mechanically expanded tube sheet for higher design pressure for mining duties. Usual application on swimming pools and hydraulic Power Packs in mining and underground systems and vehicles.



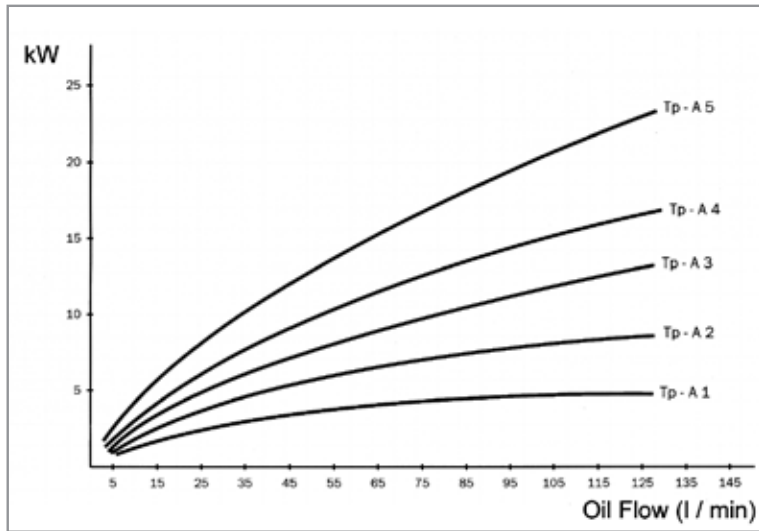
INDUSTRIAL

Design according to TEMA code, floating type U-bundles and bolted headers, materials of construction in cast steel and / or stainless steel for application with two-phase fluids and gases. Usual application on condensate recovery, instant hot water generation, hot water mixers, tank heating, process heating and lube oil cooling of main and auxiliary engines.

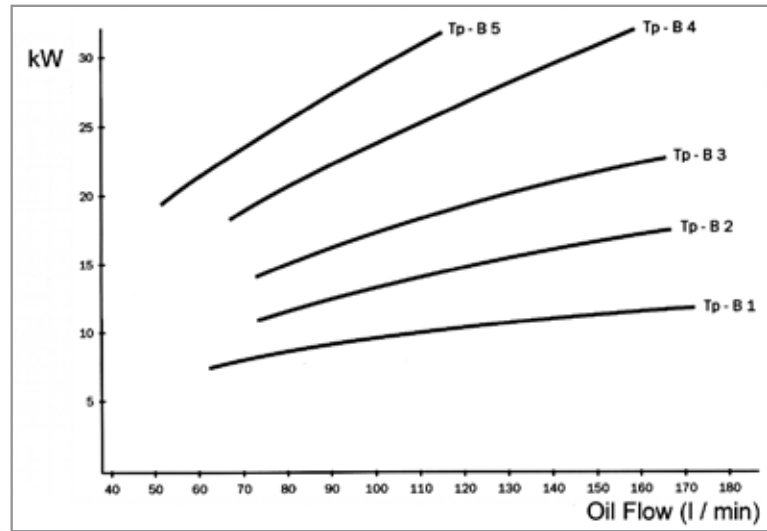


Performance Graphs for the Pilán® Standard Series

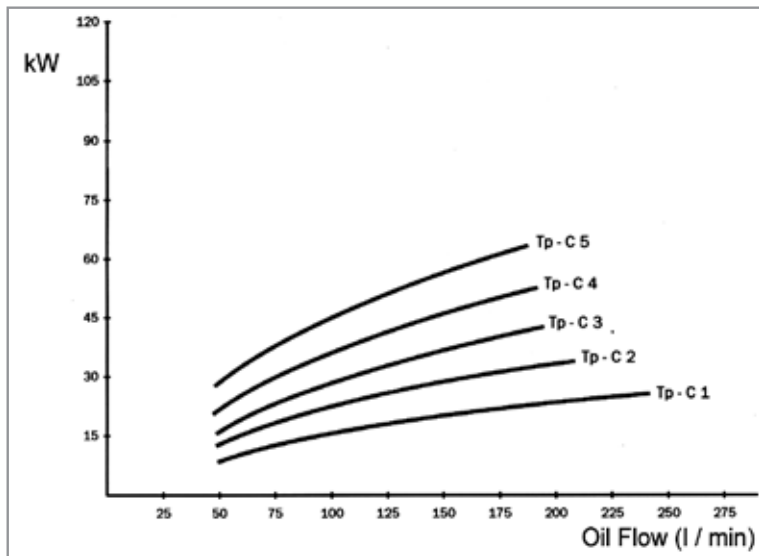
A Series



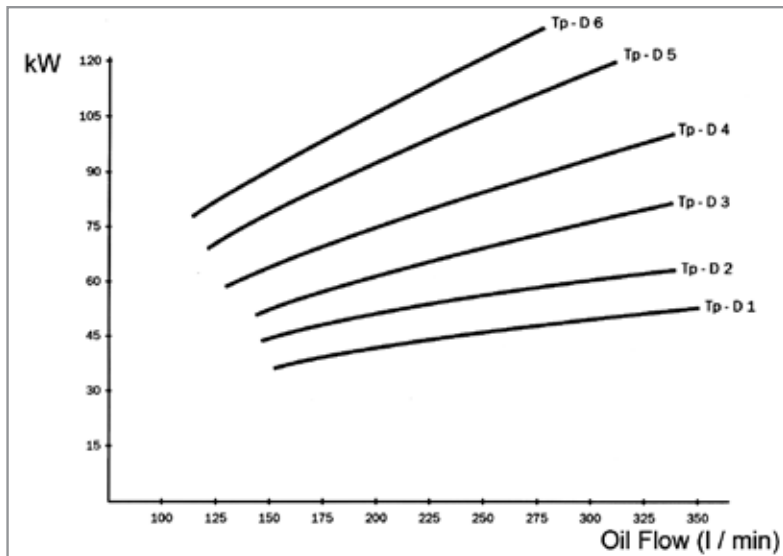
B Series



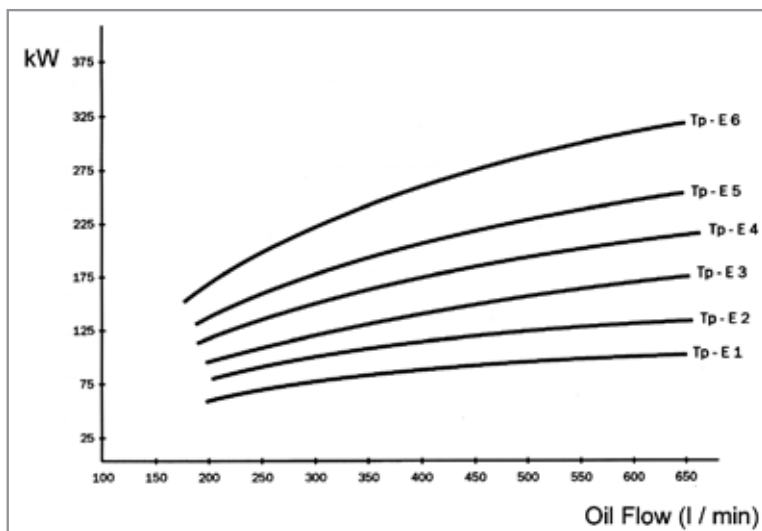
C Series



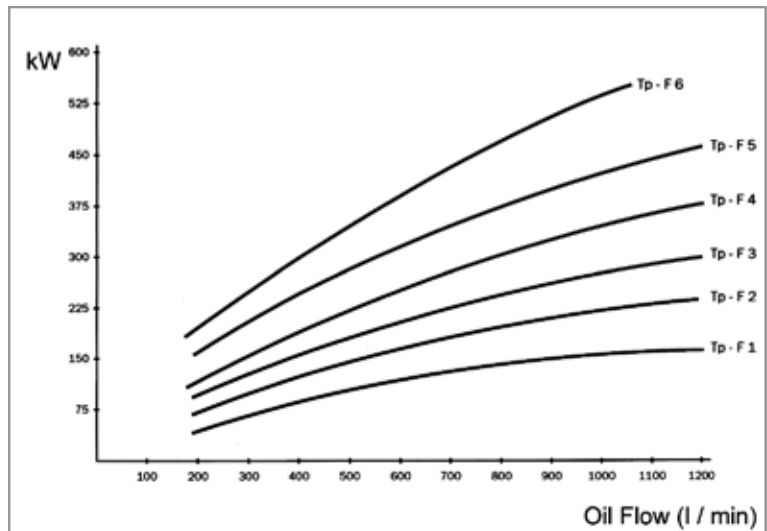
D Series



E Series



F Series





Hydraulic Power Packs on Industrial and Marine Systems, Swimming Pool Heating, Mining and Underground Duties, Hydraulic Vehicles.

The Fastest delivery in the market place;

Thanks to the serialized manufacture against a permanent inventory of more than 1000 finished units between the combination of standard series and ready to assemble components.

Fast executions on special tube sheet sealing;

Tube sheet welding by silver brazing as well as mechanically expanded process.

Fast Selection by Computer;

Pilánware® software will select within minutes out of the range according to the process data input. For specials, our engineers will be happy to assist.

Wide International Coverage;

Throughout a large network of distributors and agents all over the world.

