



PLATE HEAT EXCHANGER



Profile Type Omni Flow

Our plate heat exchangers **Eurocal 60** and **104 “Omni Flow”** have been especially designed for high performance applications.

As heat transfer and pressure loss in the plate heat exchanger are directly proportional, a high heat transfer rate results in an increased pressure loss.

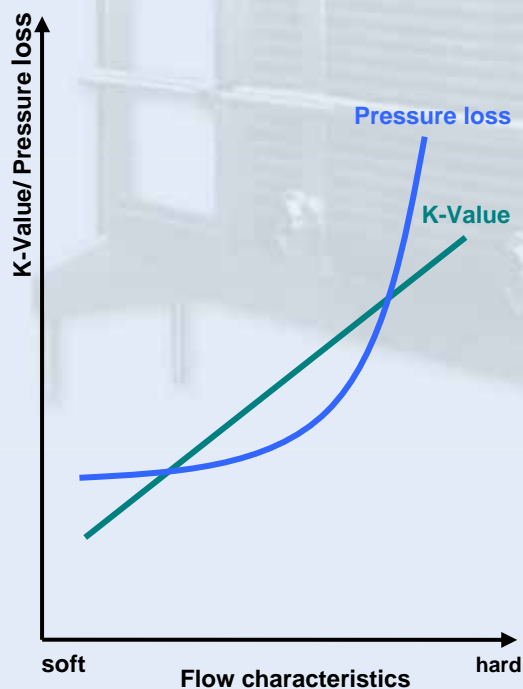
By the free selection of profile angles, the FISCHER OMNI FLOW SYSTEM allows perfect adjustability of the desired heat transfer rate while optimising pressure losses and heat exchange areas.

Due to their special plate structure, our high performance heat exchangers are perfectly suited for media with a distinctive temperature-dependent viscosity. Adjusting the plate profile permits the generation of various flow characteristics within the same plate channel, perfectly matching the media's viscosity.



Eurocal 60 OFG

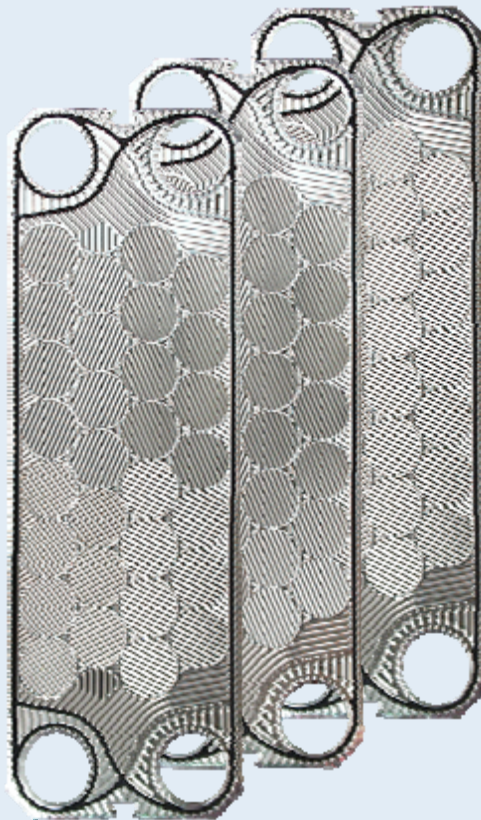
Eurocal 104 OFG



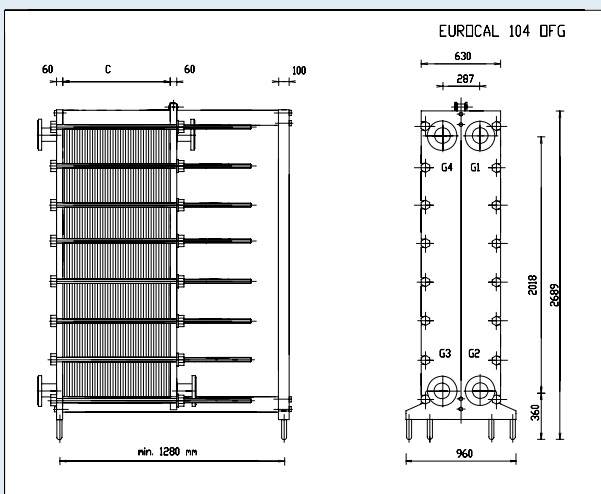
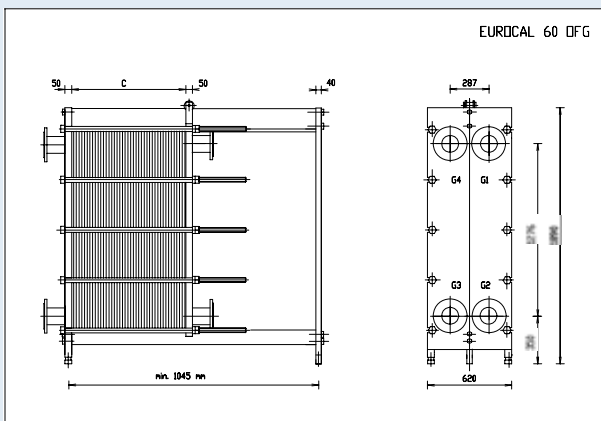
- Different thermal lengths with one plate size
- Plate embossment according to customers' specifications
 - variable plate angles and thus
 - soft and hard flow channels within one plate
- Various thermal characteristics with one plate
- High heat transfer rates
- Especially suitable for the food and chemical industries

Examples of Use:

- Especially suited for products with a highly temperature sensitive viscosity
- Chemical Industry
 - Water cooling systems
 - Coolers and heaters for acids and bases
- Petrochemical Industry
 - Oils
- Food Industry
 - Dairy products
 - Drinks
 - Syrups
- Paper Industry
 - Water cooling systems
 - Coolers and heaters for acids and bases



Different flow characteristics available



Technical Specifications:

Eurocal 60 OFG:

Heat exchange area:	0.6m ²
Thickness (of plates):	0.5 - 0.8 mm
Plate sealing:	Elastomere
Distance of plates:	3.2 mm
Materials:	Standard:
	1.4301 (AISI 304)
	1.4404 (AISI 316L)
	Special materials:
	1.4571 (AISI 316Ti)
	1.4547 (254 SMO)
	3.7025 (Titanium)
	2.4606 (Inconel)

Eurocal 104 OFG:

Heat exchange area:	1.04m ²
Thickness (of plates):	0.5 - 0.8 mm
Plate sealing:	Elastomere
Distance of plates:	3.2 mm
Materials:	Standard:
	1.4301 (AISI 304)
	1.4404 (AISI 316L)
	Special materials:
	1.4571 (AISI 316Ti)
	1.4547 (254 SMO)
	3.7025 (Titanium)
	2.4606 (Inconel)