AlfaNova RM11

Fusion-bonded plate heat exchanger

General information
RM11 is a plate heat exchanger made of 100% stainless steel. It is based on Alfa Laval's revolutionary technology, AlfaFusion, the art of joining stainless steel components together. RM11 is the a part of the AlfaNova heat exchanger portfolio which is extremely compact compared to its capacity to withstand great strains in demanding heat transfer applications. RM11 is a recuperator that recovers heat from exhaust gas and separates the condensed water.

Applications
Heat recovery.

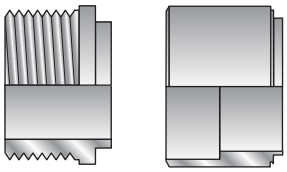
Working principles
The heating surface consists of thin corrugated metal plates stacked on top of each other. Channels are formed between the plates and the two media flow through alternate channels. RM11 has one closed and one open channel, the media is kept in the unit by a bonded seal around the edge of the plates. The contact points of the plates are also bonded to withstand the pressure of the media handled.

Standard design
The plate pack is covered by cover plates. Connections are located in the front cover plate. The channel plates are corrugated to improve heat transfer design.

Particulars required for quotation
To enable Alfa Laval's representative to make a specific quotation, enquiries should be accompanied by the following particulars:

- Flow rates or heat load required
- Temperature program
- Physical properties of fluids in question
- Desired working pressure
- Maximum permitted pressure drop
- For combustion gases: fuel composition and excess air

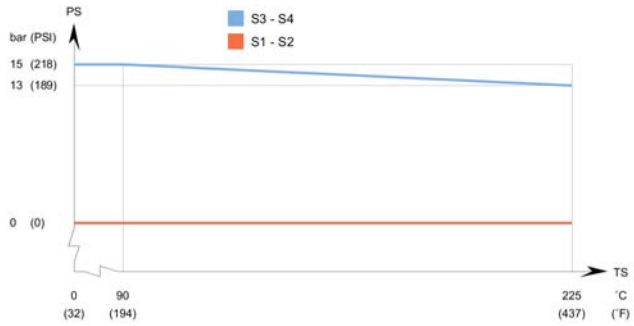
Examples of connections



External threaded

Soldering

AlfaNova RM11 - PED approval pressure/temperature graph



Standard dimensions

A measure mm	=	3.1 + (3.38 * n) (+0.5/-3 mm)
A measure inch	=	0.12 + (0.13 * n) (+0.02/-3 inch)
Weight kg	=	0.2 + (0.03 * n)
Weight lb	=	0.45 + (0.07 * n)

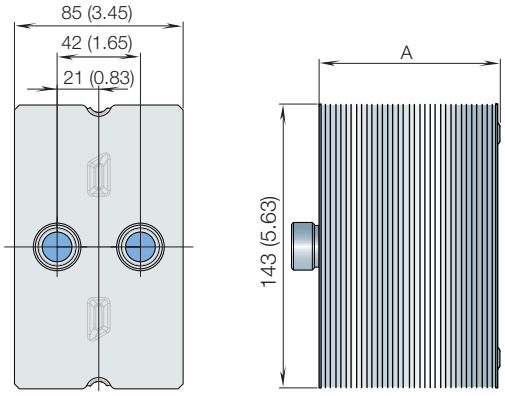
(n = number of plates)

Standard data

Min. working temperature	see graph
Max. working temperature	see graph
Min. working pressure	vacuum
Max. working pressure	see graph
Volume per channel, litres (ga)	0.027 (0.007)
Max. particle size mm (inch)	1.2 (0.05)
Max. flowrate* m^3/h (gpm)	3.6 (15.9)
Min. nbr of plates	6
Max. nbr of plates	30

Standard materials

Cover plates	Stainless steel
Connections	Stainless steel
Plates	Stainless steel
AlfaFusion filler	Stainless steel



For exact values please contact your local Alfa Laval representatives.

How to contact Alfa Laval
Up-to-date AlfaLaval contact details for all countries are always available on our website on www.alfalaval.com