

Alfa Laval GLXN30

Gas-to-liquid plate heat exchanger

Introduction

Alfa Laval GLX gas-to-liquid heat exchangers are a flexible solution that maximize efficiency while minimizing pressure drop with gas media.

Applications

- Exhaust gas heat recovery
- Compressed air cooling
- Charge air cooling
- Condenser

Benefits

- Compact
- Easy to install
- Low level of service and maintenance required
- All units are pressure and leak tested

Design

The brazing material seals and holds the plates together at the contact points ensuring optimal heat transfer efficiency and pressure resistance. Using advanced design technologies and extensive verification guarantees the highest performance and longest possible service life.

Asymmetric channels provide optimal efficiency in the most compact design. This results in very low pressure drop on the gas side.

Cross-flow arrangement with open inlets/outlets on the low-pressure side ensures the lowest possible pressure drop when working with gas media.

The GLX heat exchanger can be built in modular systems, creating the ability to handle larger gas volume extending the performance efficiency to larger systems.



Technical Data

Standard materials

Cover plate	Stainless steel
Connections	Stainless steel
Plates	Stainless steel
Brazing filler	Nickel

Dimensions and weight ¹

A measure (mm)	$6 + (3.28 * n)$
A measure (inches)	$0.24 + (0.13 * n)$
Weight (kg) ²	$1.506 + (0.10 * n)$
Weight (lb) ²	$3.32 + (0.22 * n)$

¹ n = number of plates.

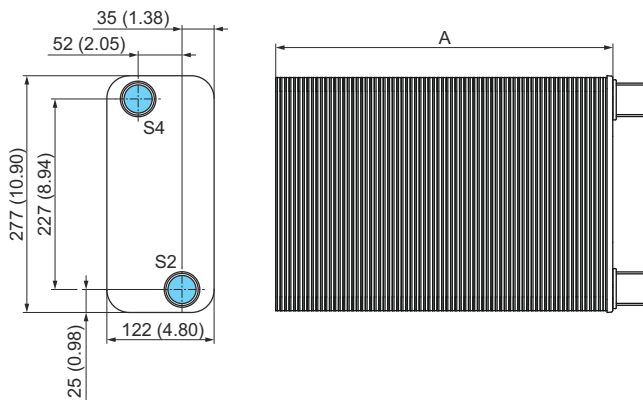
² Excluding connections.

Standard data

Volume per channel, litres (gal)	AM (S1-S2): 0.117 (0.0309) AM (S3-S4): 0.067 (0.0177)
Max. particle size, mm (inch)	1 (0.039)
Flow direction	Parallel
Min. number of plates	19
Max. number of plates	139

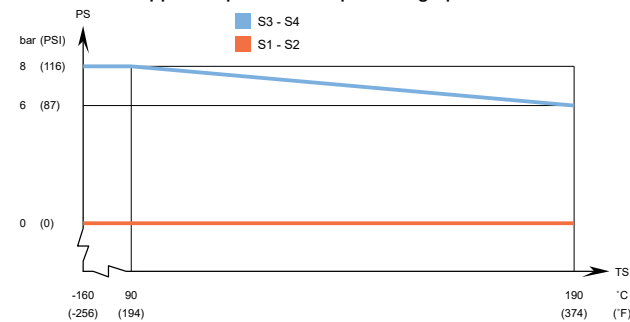
Dimensional drawing

Measurements in mm (inches).



Design pressure and temperature

GLXN30 - PED approved pressure/temperature graph



Designed for full vacuum.

Max design temperature refers to the temperature of the plate material. Gas inlet temperatures can exceed the design temperature provided that there is sufficient coolant temperature and flow.

Alfa Laval plate heat exchangers are available with a wide range of pressure vessel approvals. Please contact your Alfa Laval representative for more information.

NOTE: Values above are to be used as an indication. For exact values, please use the drawing generated by the Alfa Laval configurator or contact your local Alfa Laval representative.

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