



**Product:** AF Bonded Plate Heat Exchanger

**Application:** High pressure, high or low temperature heat exchanger applications where size and weight are advantageous, and safety is critical.

**Description:** The AF bonded plate heat exchanger is the first of its kind with an inbuilt safety feature to detect leakages between the two process fluids. The leakage detection port can be used to monitor any leakages within the unit, thus detecting any failure before mixing occurs, dramatically reducing the risk of any serious incident.

The diffusion bonded heat exchanger is constructed from a number of plates for the primary and secondary process fluids, and leakage plates for leakage detection. The plates are bonded together using the diffusion bonding process, which is an extremely robust and reliable production method. The complete bonding of the plates allows for extreme processes with very high pressures, or very high or very low temperatures.

#### Specification:

**Pressure:** Maximum 1000barg

**Temperature:** -220°C to 150°C

#### Dimensions:

Power (kW)	Footprint (mm)
0-10	320 x 230
10-40	320 x 460
40-80	640 x 460
80+	Enquire

**Materials:** Stainless steels typically 304, or 430  
Aluminium