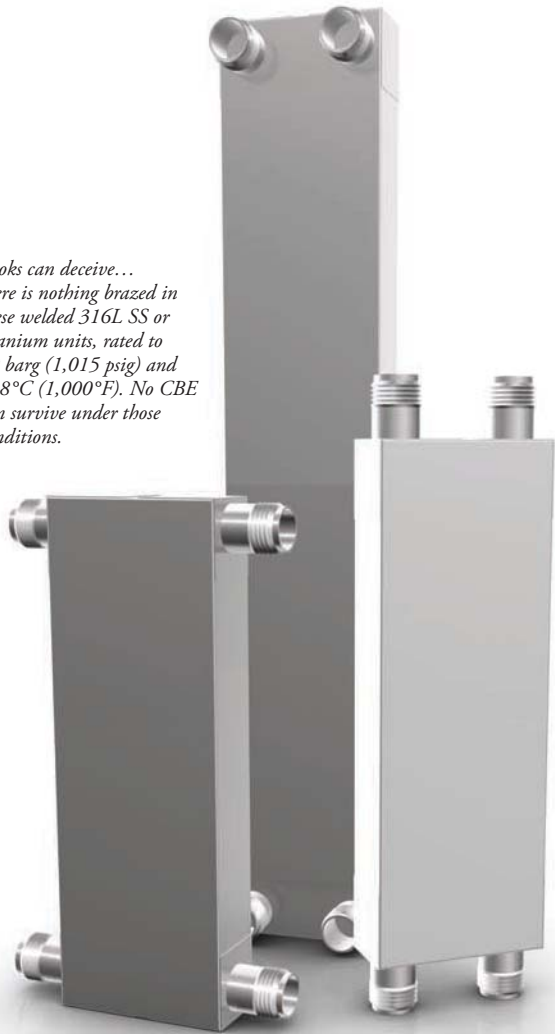




MAXCHANGER®—The Design Engineer's Friend

Looks can deceive... there is nothing brazed in these welded 316L SS or titanium units, rated to 70 barg (1,015 psig) and 538°C (1,000°F). No CBE can survive under those conditions.

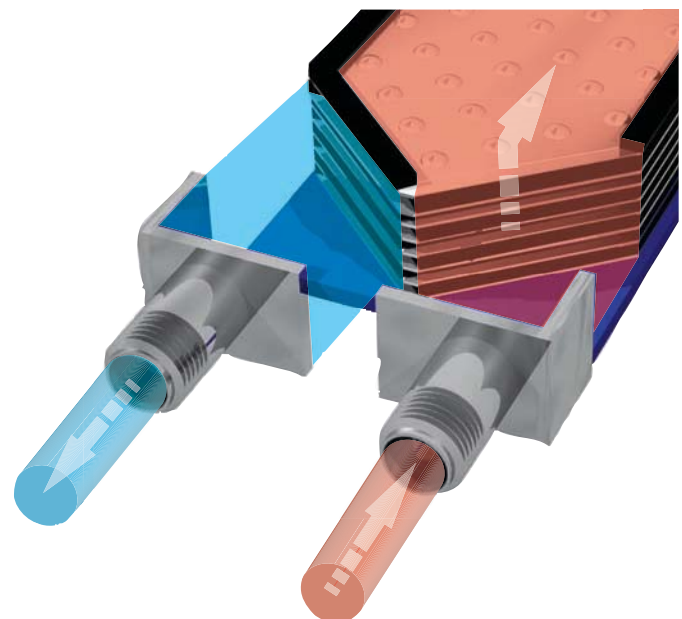
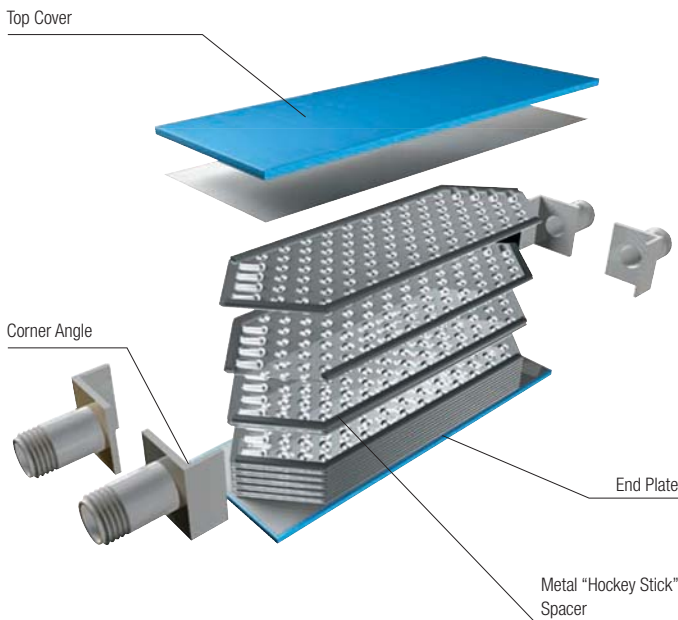


MAXCHANGER single- and multiple-pass designs fit virtually any application requirement. The unique geometry of the patented MAXCHANGER's variable interspaces produce extremely high "U" values. Channels formed between the specially dimpled, welded plates direct the two heat transfer media countercurrently through alternate paths for maximum efficiency, immediate thermal response and a close temperature approach capability of less than 1°C (2°F).

Constructed for long life cycles

The 1-mm (0.039-in.) thick dimpled heat exchanger plates are sandwiched between top and bottom plates specified to withstand the design pressure. Special spacers separate the plates, isolating the channels and establishing countercurrent flow. Four corner angles (or half-pipes) are welded to side plates, top and bottom plates and to the heat exchange plate points, forming inlet and outlet headers.

The corner angle fittings or corner half-pipe fittings, enable inlets and outlets—NPT or flanged—to be located in any number of configurations for maximum flexibility in tight spaces.



This exploded view of the welded MAXCHANGER unit shows the large number of dimpled contact points that provide maximum pressure resistance and heat transfer.

MAXCHANGER can achieve an extremely close temperature approach of less than 1°C (2°F).