



# PROCESS SECURITY

FOR ALL SANITARY FLUID HANDLING APPLICATIONS

## WCR's Duo Safety heat exchanger solutions are the ideal for sanitary applications that require the ultimate in process security.

Suitable for all fluid handling applications, WCR's unique double wall design protects against cross contamination while also allowing for individual plate inspection and dye testing - which is not commonly found with laser welded pairs.

### Design & Construction

WCR's double pressed duo plate design involves double pressing two sheets of material together to form one pair of plates – instead of the more common practice of welding the plate ports together.

The advantages of this are many, especially for fluid handling applications where any cross contamination needs to be strictly avoided. In addition to process security, since our duo plates are non-welded plates they are easy to separate and service. On a normal design where the plates are welded together you introduce weld fatigue into the ports and have no way of cleaning or checking your plates.



With WCR Duo Safety plates you have the ability to identify if the plate has developed a pinhole via external leakage and checking to make sure that the plate doesn't have any cross contamination

### Applications:

Industries currently utilizing the Duo Safety plate include:



Food &  
Beverage



Chemical



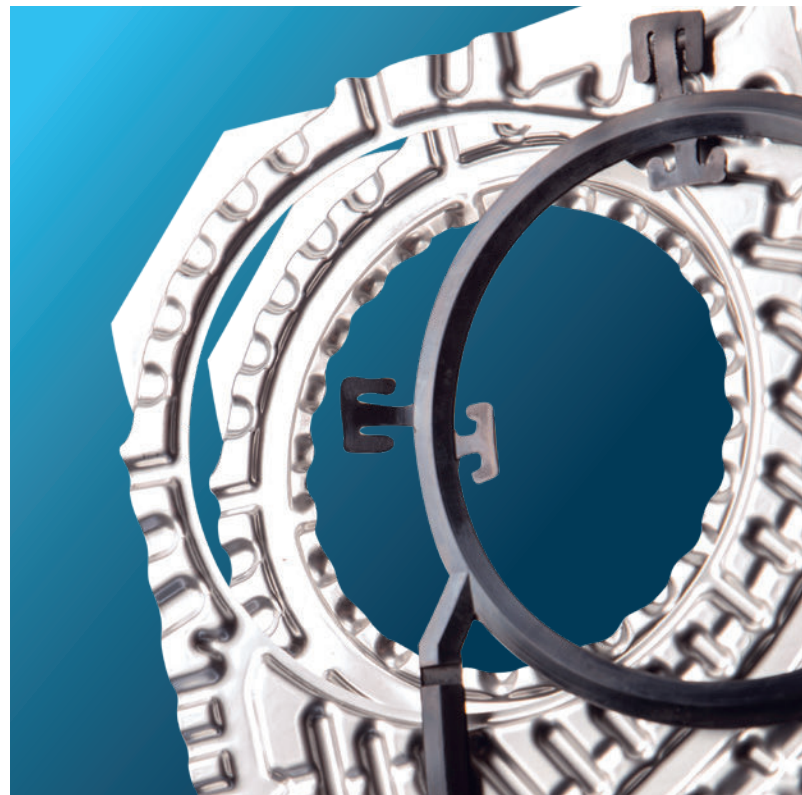
Domestic  
Potable  
Water



Pharma-  
ceutical



Power



### Range of materials

#### Plate materials:

316L (stainless steel)  
Hastelloy C-276  
Titanium grade 1

#### Gasket materials:

FDA - HNBR  
HT FDA - EPDM  
FDA - NBR  
Viton G  
Viton A  
VMQ Silicone

WCR was the first company to start pressing paired plates on a variety of models and we have duo safety plate versions developed for all of these models:

SU2  
SU6  
A216

A425  
A667  
NU35

CLIP8  
CLIP6  
H17



# WCR DUO SAFETY PLATES/GASKETS

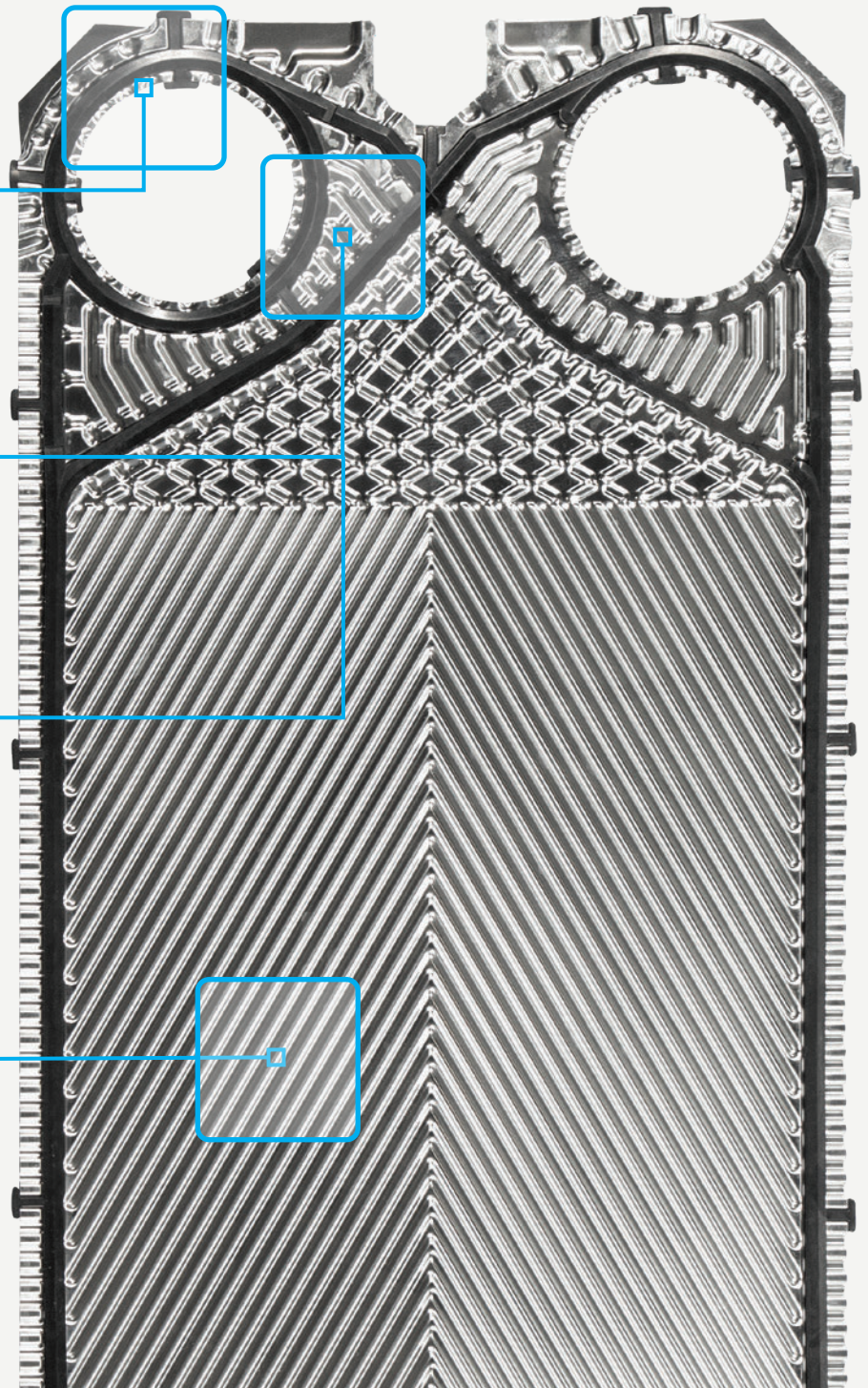
PROCESS SECURITY AND COMPLETE SERVICEABILITY

Clip-on style gasket

Stepped DuoPort gasket

Leak chamber

Weld-free design means you have highly serviceable, sanitary double wall plates



[wcrhx.com](http://wcrhx.com)

For OEM-quality replacement parts and expert service and support, contact us today and let's grow together.

**1-800-421-4927**

