

# Flange Face Forming Technique Restores Damaged Sand Filter Flange

ID: 10015

Industry: Water / Wastewater

Customer Location: Saudi Arabia

Application: VPF-Valves, Pipes and Fittings

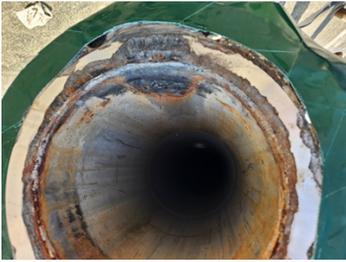
Application Date: September 2023

Substrate: Stainless-steel

Products: Belzona 1111 (Super Metal), Belzona 9411 (Release Agent)

## Problem

The customer reported damage to the flange face on the stainless-steel spools of the sand filters. A repair solution was required to restore the flange face surface.



Damaged flange face on stainless-steel spools of the sand filters



Close-up of the damaged flange face on the stainless-steel sand filter spool.



Flange face repair by flange face forming technique in progress



Complete application of flange face forming

## Application Situation

A cost-effective and time-saving solution is required to restore the damaged flange face.

## Application Method

1. Apply release agent on the former and allow it to cure
2. Apply Belzona 1111 (Super Metal) on both the flange face and the former that has been coated with Belzona 9411 release agent
3. Install the former on the prepared flange face and use the bolts to tighten the former to the flange face
4. Remove any excess Belzona 1111 (Super Metal)
5. Once the product is cured, remove the former.

## Belzona Facts

The Belzona Flange Face Forming technique was the fastest and most cost-effective way.

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FS 695214  
ISO 14001:2015  
EMS 695213

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