

BELZONA PROTECTION SOLUTION FOR NEWLY FABRICATED VALVES

ID: 9802

Industry: Oil & Gas
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: Belzona 1391T

Customer Location: Dammam Saudi Arabia
Application Date: March 2025

Problem

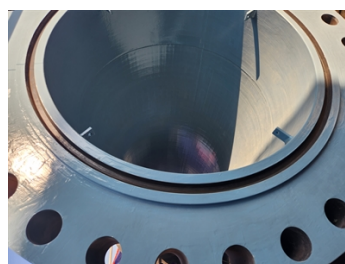
After fabricating a new pump, the customer conducted a thorough analysis of the media, operating temperature, and Belzona product data sheets. Belzona 1391T was selected over competing products due to its exceptional test results, proven performance history, and superior resistance to corrosion and erosion in high-temperature environments.



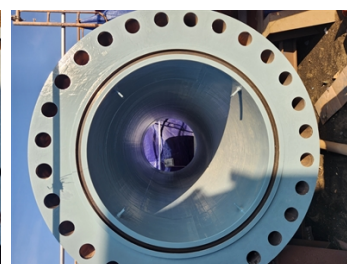
Surface preparation to reach a minimum profile of 75 µm and near white metal



The first coat of Belzona 1391T was applied to the newly fabricated valve



Final coat application of Belzona 1391T



Finished look before delivery

Application Situation

The media was oil and gas mixture operating at 120°C temperature. The equipment is subject to erosion and corrosion issue due to the corrosive media and high temperature operations.

Application Method

1. Blast the surface to reach a minimum of 75 µm and near-white metal.
2. Mix and prepare Belzona 1391T for application by brush.
3. Apply the two-coat system to reach the recommended DFT.

Belzona Facts

Belzona has an excellent track record of protecting against such issues. While the Belzona coating outperformed others in all aspects, the most significant advantage was its ease of application. It required no complex tools or hot work—one of the key reasons it was chosen over other coatings with more complicated procedures. With the success of this project, more applications are expected to follow.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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manufactured under an ISO
9000 Registered Quality
Management System.

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