



## Titanium & Zirconium Clad Pipe Systems for High Pressure Applications

### DETAPIPE™ INTRODUCTION

In many demanding chemical processes, end users rely on the corrosion-resistance of reactive metals like titanium and zirconium for their piping systems. Standard piping sizes range from 6"NPS up to 30"NPS are available. Larger piping sizes can be produced with technical review.

Reactive metal cladding leads to lifetime equipment savings, design flexibility and process safety compared with equipment fabricated from solid titanium or zirconium.

### KEY PROCESSING APPLICATIONS

DetaPipe™ can be used when thick wall reactive metal piping systems are specified for hydrometallurgy or geothermal environments. DetaPipe can also be considered for high pressure corrosive environments including:

- Acetic Acid
- Bio Processing
- Epichlorohydrin
- Herbicides & Pesticides
- Melamine
- Pressure Oxidation Leaching
- Urea

*Detapipe™ in Mt. Braddock, PA (USA) facility.*



**DETAPIPE™ ADVANTAGES**

- Reduce refractory metal usage compared to solid titanium or zirconium piping without compromising on performance
- Reliability in extreme operating conditions of corrosion, pressure and temperature to minimize process downtime
- Leverages decades of best practices in clad pipe construction
- Utilizes existing supply chain for standard carbon steel or stainless steel pipe sizes

**TECHNICAL COMPARISON**

	DETAPIPE™	SOLID PIPE	LOOSE LINED
Cost	Medium	High	Low
Full-Vacuum Capability	Good	Good	Poor
Corrosion Resistance	Good	Good	Good
Reliability	High	Medium	Low
High Pressure Use	Excellent	Good	Poor
Heat Transfer	High	Medium	Low

**SCHEDULE A DETAPIPE CONSULTATION FOR YOUR TEAM**

Learn about an economic alternative to titanium and zirconium solid piping systems and components.

Contact us today to schedule a free consultation.

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