



For *Severe Service* Control Solutions, Turn to Fisher Technology & Innovation

Control Valve Case History

Industry: Gas Processing
Application: Natural Gas Letdown

Overview:

A new refinery project presented an application for a Natural Gas Pressure Control valve with a low temperature process. The end user also had a specification for this valve to have a lower temperature limit of -101 C. This requirement was beyond what standard valve materials can handle, and required alternative materials.

Process Conditions:

Fluid	Natural Gas
P1	7446 kPag
P2	5216 kPag
T	- 54 C
Tmin (spec)	- 101 C

Solution:

The customer asked Spartan Controls to review the service conditions and specifications and to select an appropriate valve. The solution chosen was the Fisher Controls model ET-C cryogenic globe valve that included suitable materials for extremely low temperatures, including a full stainless steel body and bonnet.

Customer Benefits:

This selection ensures the customer receives the optimal performance that the Fisher E body globe valve provides, while meeting their low temperature requirements. This valve is expected to operate successfully in this harsh environment with only routine maintenance necessary.



SPARTAN CONTROLS

CH1 Natural Gas Letdown ET-C.doc

