



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

Control Valve Case History

Industry: Oilsands and Refining
Application: LP Steam Letdown

Overview:

The customer is a major producer of oil from bitumen in the Fort McMurray area of Alberta using traditional strip mining and in-situ methods. When the initial data sheet for this control valve application was reviewed, it appeared that a Whisper I trim would be sufficient to provide both a cost effective solution and reasonable noise control. However, with the Whisper I the noise was still over the project standard of 85 dBA. When this solution was proposed, it was indicated that every attempt should be made to meet the 85 dBA as new health and safety legislation on new plants was quite stringent.

Process Conditions:

Steam valve	
Flow	15120, 12600, 6300 LBH
P1	135, 140, 145 Psig
P2	30, 45, 55 Psig
Operating Temp	364 F
Design Temp	700F

Solution:

An E-body control valve with Whisperflo Y trim was recommended to meet the noise reduction requirements. The other special feature of this valve was that it had to meet a 700 F design specification even though the operating temperatures were much lower. With confirmation from the factory a Whisperflo trim with C-seal and enviro-seal graphite packing was specified.

Customer Benefits:

With the use of Fisher Whisperflo technology, the customer was able to meet regulatory requirements for noise. In addition, this product was able to meet the high temperature design requirement.



SPARTAN CONTROLS

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