



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

Hyrodome™ SOLVES CAVITATION PROBLEM AT PLANTATION PIPELINE COMPANY

Plantation PipeLine experienced problems with a rotary control valve at one of its mainline take-off delivery terminals. Cavitation and vibration were battering the valve and its auxiliary operating equipment, as well as the immediate downstream piping. This created concern about the possibility of a significant gasoline release. The damaging cavitation had to be eliminated.

For pipeline ball valve applications where cavitation and noise are a concern, Fisher developed the V260 Hydrodome™ attenuator. This device, which is installed within the valve downstream of its full-bore ball, utilizes a series of drilled holes to break up the fluid and stage the pressure drop. This technique avoids damaging cavitation and associated vibration.

The Fisher Severe Service Group worked with Plantation PipeLine personnel and within two days, shipped a Hydrodome attenuator to the site. Once the attenuator was received, technicians from a nearby Fisher Service Company removed the existing valve body, performed the minor machining needed to accept the new part, and delivered the valve back to the site the same day.

Once the valve with its newly installed Hydrodome attenuator was brought back online, the cavitation and vibration problems were eliminated. Because of this success, another Fisher V260 control valve in parallel was retrofitted with a Hydrodome attenuator to ensure that the same problem did not occur again.

For more severe service solutions see us at www.fishersevereservice.com.



Severe Service



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Process Management