

VACUUM INSULATED LIQUID WITHDRAWAL

Chart's Vacuum Insulated Liquid Withdrawal option is designed for applications that require the transfer of higher quality, cold low-pressure liquid from bulk or MicroBulk storage.

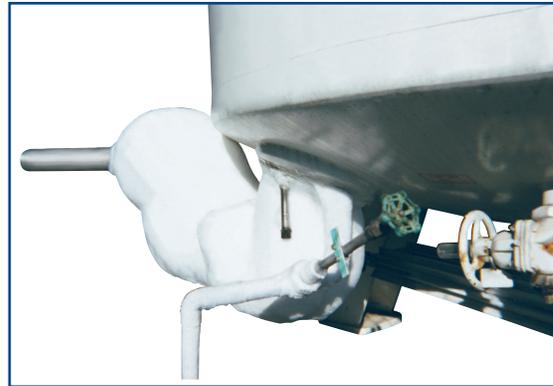
Providing quality low-pressure liquid at the point of use requires minimal heat leak throughout the entire piping system, including key plumbing components. The system begins with the bulk tank. Chart has developed the most efficient storage tank design for liquid applications using state-of-the-art vacuum insulation. This same technology is available with the Vacuum Insulated Liquid Withdrawal option, which provides many benefits to applications requiring quality liquid.

The photographs illustrate the difference in thermal efficiency between both options. The ice build-up on the uninsulated valve design indicates excessive heat entering the system. In addition to wasting liquid product, the ice causes safety and maintenance problems – sometimes to the point where the valve is completely covered with ice. The Vacuum Insulated Valve eliminates these issues. The end result is quality liquid delivered to the point of use with less waste from flash losses and no safety issues.

Insist on the Vacuum Insulated Liquid Withdrawal option on your Chart bulk and MicroBulk tanks for optimum system efficiency and safety.

FEATURES

- Provides substantial long-term savings in liquid use
- Reduces the amount of venting through the cryovent (flash losses)
- Provides higher quality, colder liquid at point of use
- Prevents two-phase flow starting at the bulk tank
- Eliminates ice build-up and sweating



Uninsulated Standard Valve Design



Vacuum Insulated Valve Option



Perma-Cyl with Vacuum Insulated Valve Option