

INLINETM

with Hoffer Flow Controls

Hoffer Helps Pharmaceutical Giant "WFI" Headache

Ultrapure deionized water is commonly used in the health care industry to manufacture products such as eye drops, nose spray, and hygiene products. This highly purified water, sometimes referred to as "WFI" (Water for Injection), presents many challenges for a flowmeter. WFI is nonconductive, corrosive in nature and requires a sanitary style flowmeter. The Hoffer 3A Series meets the requirements and is used routinely throughout the industry with excellent results. The sanitary design, 316 stainless steel construction and wide turndown make the 3A Series an excellent solution for a WFI application.

Health care industry regulations require that all flow measurement and other process devices must be fully "CIPable", or suitable for "Clean in Place". This means that the flowmeter must be fully cleaned when it is flushed with a suitable cleaning product or steam. The Hoffer 3A series of turbine flowmeters incorporates a design that is fully cleaned when flushed. Furthermore, this series of flowmeters is available with a hard carbon composite sleeve bearing that is suitable for steam cleaning. Other turbine flowmeter manufacturers offer sanitary turbine flowmeters with Rulon (a PTFE compound) sleeve bearings. Rulon's maximum operating temperature is typically +250° F, which is not suitable for steam cleaning above 15 psig. The Hoffer 3A meter supplied with a hard carbon composite sleeve bearing offers a temperature rating suitable to +850° F.

Recently a Hoffer customer, an international manufacturer of health care products who employs 54,000 people, looking for a solution to a problem came to Hoffer to discuss a WFI application. The flowmeters

currently used in their WFI process were routinely being replaced. The cast internal assembly with a Rulon sleeve bearing was deteriorating after a few (CIP) steam-cleaning cycles. The down time, replacement cost, and potential contamination from a deteriorated set of internals required immediate attention and a quick resolution from their maintenance personnel. The customer determined that the Hoffer 3A Series turbine flowmeter was the most accurate and cost effective solution for the application.



The 3A Series provides flow measurement capability from .25 to 800 GPM in flowmeter sizes ranging from 1/4" through 3". The 3A turbine flowmeter provides turndown range of 10:1 to 40:1 depending on flowmeter size. A clamp type sanitary process connection is standard and the meter is fully "CIPable". Construction consists of 316 stainless steel body and hangers (316L stainless optional), 17-4 ph stainless steel rotor, and a carbon composite sleeve bearing.

Hoffer is please to provide 3A sanitary flowmeters for the health care industry. Perhaps a process in your plant includes deionized, demineralized, or "WFI" water? Or it must meet 3A Sanitary requirements? Let us help. We have been providing turbine flowmeters throughout the world for almost 30 years.

Rep Spotlight

VSA
Associates

Hoffer products have been represented throughout the New England territory by VSA Associates for almost 20 years. Shekar Amin, owner of VSA Associates, is well respected for his industry knowledge and unrelenting determination with customer follow up. He has received multiple sales awards from Hoffer in recognition of his outstanding sales performance.

On Track

Congratulations to the following representative groups for being above the projected goal for the first quarter of the fiscal year:

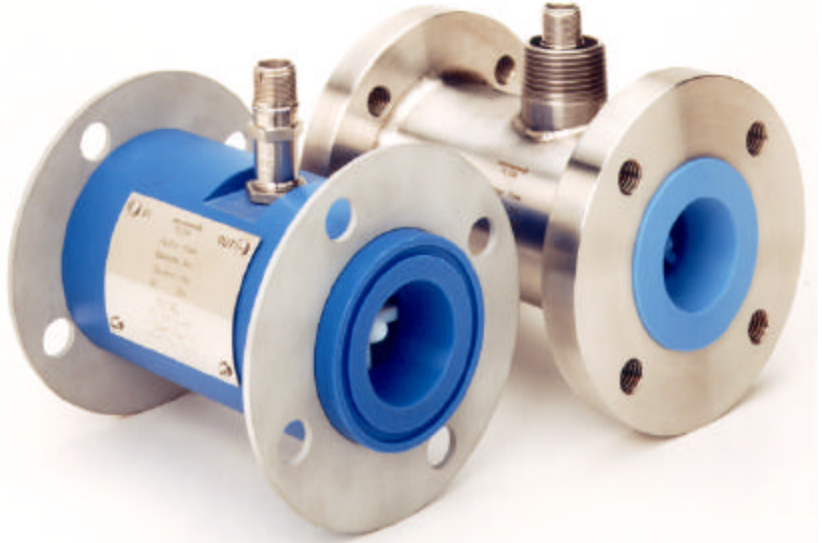
GPM Equipment Sales, Inc;
Myers and Henley, Inc.;;
North East Technical Sales, Inc;
Vertec Associates, Inc;
Sentech Measurements, Inc;

We commend your effort!

Teflon™ Meters for Corrosive Service

Features

- * All wetted parts are Teflon®. Recommended for corrosive service and ultra-pure water flow applications.
- * Flow rate capability from .25 to 600 GPM in ¼" through 3" sizes.
- * Available with wafer style end fittings as well as a variety of flanges including RF per ANSI in stainless or carbon steel, Ring Joint, and DIN types.
- * Provides digital pulse output.
- * Suitable for clean liquid service.
- * Provides users with a linearity of ±1% of reading and a repeatability of ±0.1% of reading.



Our Teflon® Series of turbine flowmeters will be featured in the **97 Chem Show** at the Jacob Javits Center in New York City. Come by and see the Teflon® Series at **Booth 1447** on November 18, 19, and 20. For more information on this series request our Teflon® Series Technical Data Sheet HO-TF-XXX.

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What's New at Hoffer?

New at Hoffer is the ability to track shipments via the internet. Just access Hoffer's website at www.hofferflow.com and click on the UPS icon. Provide your name and job number or PO number and our shipping department will provide the necessary information. Once you have this, tracking your shipment is a breeze. This exciting new feature provides quick information on your shipment. Coming soon, FedEx tracking.

Also new at Hoffer is a more efficient phone system. We now have voice mail and a variety of in-house features, allowing us to provide better service to you. Another way Hoffer aims to please!

Personal Glimpse

Gene Caputo has been in International Sales since joining Hoffer in mid-1995. He was born and raised in New York and has a BS in Aeronautical Engineering from New York University, plus graduate studies in Calculus at the University of Pennsylvania. His career has always been in some facet of technical sales.

Gene moved to Elizabeth City 16 years ago - sold his snowblower and stayed. He is married and has 2 children.

Outside of work, Gene enjoys sailing, surf-casting and yard puttering.



H OFFER FLOW CONTROLS, INC. The Turbine Flowmeter Company™

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