

# Specialty Microelectronics Products



Leading National Distributor of Fluid Handling Products and High Value Filtration for Corrosive & Ultrapure Applications

- Tubing, Hose, Fittings & Assemblies
- Pipe, Valves, & Fittings
- Pumps, Filters, & Process Controls
- Tanks, Level Control, Heaters & Mixers
- Structural Shapes & Grating
- Custom Fabrication and Systems



[www.saint-gobain.com](http://www.saint-gobain.com)

Fluid handling solutions for the Semiconductor industry critical processes. High Purity components designed to improve fab yields, maximize fab productivity and reduce total cost of ownership throughout chemical manufacture, delivery and point-of-use.

- ASTI Fluoropolymer Pumps
- Furon UHP Valves
- Custom Valve Manifolds
- UHP Flexible Tubing
- UHP Tube Fittings
- PFA Piping Systems



[www.gfsignet.com](http://www.gfsignet.com)

World class manufacture of Ultra-Pure and Corrosion resistant

- Sygef® PVDF Piping Systems
- Progef® Polypro Piping Systems
- Fusion Welding Equipment
- Manual/Automated Valves
- Signet Process Instrumentation



[cristgroup.com](http://cristgroup.com)

Fluoroplastic welding expertise. Crist Group's core competency is in fabricating PFA, PTFE, Modified PTFE (PTFM), ECTFE (HALAR), FEP, and PVDF into useful fluid delivery products.

Crist Group has the knowledge craftsmanship and safety equipment to be uniquely qualified in PFA product fabrication.



[www.pall.com](http://www.pall.com)

The world's largest filter manufacturer, providing filtration and purification solutions for the Microelectronics and related industries.

- Point of Use Gas Filters:** Nickel – Stainless – Ceramic – Teflon
- Chemical Filtration:** Teflon – PES – PVDF – PE – Capsules & Cartridges
- Lithography:** EZD-3 Technology – Nylon – PE – Dispense & Point of Use
- DI Water:** Ultrafiltration – Nylon – PES – Polypropylene Systems
- Filter Housings:** Teflon – Stainless Steel – Polypropylene
- Specialty Filtration Skids:** Pre RO – Silicon Backgrind – Waste Water
- Total Filtration Management:** Filtration Audit & Optimization Program



[www.treborintl.com](http://www.treborintl.com)

High purity diaphragm pumps to 180°C for distribution and recirculation applications. Models with no elastomers or metals available. Two year "No Touch" warranty on selected models. DI water heaters using Trebor's patented "Thin Film on Quartz" electric resistive heating technology.



[www.iwakiamerica.com](http://www.iwakiamerica.com)

Manufactures high purity metering pumps, chemical delivery pumps, sealless, recirculation pumps and non-metallic magnetic drive centrifugal pumps and systems. With a rich assortment of products in stock, we can meet any specification you require.



[www.plastomatic.com](http://www.plastomatic.com)

The quality leader in the development of plastic valves and controls for corrosive and ultra-pure liquids, Plast-O-Matic provides a complete line of standard and custom designed solutions for difficult applications. Since 1967 we have been committed to product innovation, engineering excellence, precision manufacturing, 100% quality testing, and hands-on technical assistance.



[www.wika.com](http://www.wika.com)

High Purity Gauges – Switches & Transducers /Readouts – Cylinder Scales – Process, Test & Special Purpose Gauges – Diaphragm Seals – BiMetal Thermometers – Thermowells – Pressure Transducers – Indicators – Switches



[www.colder.com](http://www.colder.com)

For safe extraction of fluids from jerry cans, drums and intermediate bulk containers (IBCs), Colder offers several dip-tube based systems of different sizes and materials. Virtually any container can be used with a DrumQuik system to dispense the chemical or food-based fluid in a "closed" manner. This minimizes the potential for dangerous chemical exposure while protecting the purity of the chemicals themselves from contamination.



[www.chemtec.com](http://www.chemtec.com)

Engineering and manufacturing of patented line of flow meters, flow monitors, and excess flow valves. Specialize in low flow applications (120 SCFM; 20 GPM or less) and currently are the only manufacturer of all-Teflon® Flow Switches and Flow Meters.

ChemTec flow meters, flow monitors and excess flow valves are assisting in medical, biomedical, laser technology, wafer fabrication, clean rooms, cellular towers, petroleum, natural gas, semiconductor, hydrogen and cryogenics.



IDEX Health & Science

[www.micropump.com](http://www.micropump.com)

Offers complete fluid handling system components and assemblies, including pump, motor, and controller technologies. Make both positive displacement and dynamic pump products, using magnetic drives in multiple standard and custom designs or the EagleDrive™ electromagnetic drive technology.



[www.ancorp.com](http://www.ancorp.com)

A&N specializes in the manufacturing of high and ultra-high vacuum components. A&N's products are designed for thin film deposition, surface analysis and laser devices applications.

**ABS • PVC • CPVC • POLYPRO • PVDF •  
POLYETHYLENE • TEFLON •  
SS • FRP • ECTFE**

**FLEXIBLE TUBING, HOSE,  
HOSE FITTINGS & ACCESSORIES**



Braid-reinforced tubing  
Compression fittings  
Crimp fittings  
Duct Hose  
Hose clamps & O-clips  
Insert fittings

Nylon tubing  
Pneumatic fittings  
Polyethylene & Polypro tubing  
Polyurethane tubing  
Push connect fittings  
Quick disconnects  
Sanitary assemblies  
Silicone tubing  
Stainless Steel compression fittings  
Stainless Steel tubing  
Suction & delivery hose  
Teflon tubing (PFA, FEP, PTFE)  
Tubing valves & accessories  
Tygon tubing  
Vinyl tubing

**PIPE & FITTINGS**



ABS refrigeration pipe  
and fittings  
Clear Schedule 40,  
80 PVC  
Compressed air piping  
systems

Fluoropolymer Lined Pipe & Fittings  
Hi-purity piping systems, Sygef,  
Proseal  
Polyethylene PE100, ChemProline pipe  
& fittings  
Pipe hangers, channel frame, strut  
Schedule 40 PVC & CPVC  
Schedule 80 PVC & CPVC  
Secondary containment pipe & fittings  
Spray Nozzles

**VALVES**



Actuated  
Ball check  
Ball: true & single  
union, MIP, compact  
Butterfly  
Diaphragm & diaphragm

check  
Gate/globe  
Needle & labcock  
Pressure relief & regulators  
Solenoid  
Stainless Steel valves  
Swing check/spring check  
Three-way ball & multiport

**ROTAMETERS**



Acrylic tube  
Armored  
Glass tube  
High-purity  
Solid Tube Flowmeters  
Industrial

Panel mount  
Polysulfone tube

**INSTRUMENTATION & CONTROLS**



Controllers, monitors,  
transmitters  
Flow sensors: turbine,  
vortex, ultrasonic,  
magnetic, electro-  
optical, ultrapure

Gauges: pressure, flow, temperature  
Instrument panels  
pH/ORP, conductivity/resistivity, salinity,  
dissolved oxygen, chlorine, ozone  
pressure and temperature  
Recorders  
Rotor flow indicators  
Temperature sensors & switches

**HEATERS**



Electric immersion  
heaters  
Heat exchangers  
In-line heaters  
Temperature controls

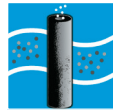
**PUMPS**



Air-operated double-  
diaphragm (AODD)  
Booster pumps  
Centrifugal  
Chemical  
Drum & barrel

Flexible impeller  
Gear, Hand  
High pressure  
Hose pumps  
Magnetic driven  
Metering  
Peristaltic  
Progressive cavity  
Stainless Steel  
Tubing

**FILTRATION**



ASME vessels  
Bag Filters  
Basket & Y-strainers  
Carbon treatment  
Filter elements  
Filter housings

Pump filter systems  
Stainless Steel pressure vessels

**LEVEL CONTROL**



Continuous sensors &  
controllers  
Float switches  
Level transmitters  
Level controllers  
Optic sensors

RF capacitance sensors  
Ultrasonic sensors

**DRAIN, WASTE, & VENT SYSTEMS**



Corrosion-Resistant  
duct & fittings  
Industrial fans  
& Lab blowers  
Fuseal Polypro acid  
waste system

Fuseal 25/50 PVDF acid waste  
PVC Drain/Waste/Vent (DWW)  
Labwaste CPVC and waste system

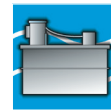
**MIXERS**



Chemical injectors  
Drum mixers  
Gear drive mixers  
Static mixers  
Tank mixers  
Teflon mixers

Turbo mixers

**SPECIALIZED SYSTEMS**



Acid waste pump  
stations  
Custom chemical  
metering systems  
Neutralization tanks  
Pump control panels

Pump lift stations

**SHEET, GRATING, BAR,  
PULTRUSIONS, SHAPES,  
WELDERS, FASTENERS**



Flat sheet stock  
Fiberglass grating,  
stair tread, strut  
Fiberglass pultruded  
structural shapes &  
panels

Hot air welding & forming equipment  
Plastic nuts, bolts, washers, hangers  
Rectangular bar stock  
Round bar  
Welding rod

**TANKS**



Barrels  
Custom-fabrication  
Drums  
Environmental  
containment  
Secondary

containment tanks & vessels  
Shelf containers  
Stainless Steel  
Storage tanks: vertical & horizontal  
Tank adapters (bulkhead fittings)  
Tank stands  
Tank cleaning systems

**A MESSAGE TO OUR CUSTOMERS**

At **Ryan Herco Flow Solutions**, we strive to deliver prompt, reliable service at every opportunity. Flexible business systems help us meet specific customer requirements and apply them consistently. Our team is encouraged and empowered to assure your complete satisfaction. We are committed to being your distributor of choice for fluid process and high value filtration needs.

**Sales, Technical Support and Stocking Locations Nationwide**

- Albany NY
- Albuquerque NM
- Anaheim CA
- Atlanta GA
- Austin TX
- Boise ID
- Boston MA
- Branchburg NJ
- Burbank CA
- Charlotte NC
- Chicago IL
- Cleveland OH
- Colorado Springs CO
- Dallas TX
- Denver CO
- Houston TX
- Jacksonville FL
- Miami FL
- Orlando FL
- Philadelphia PA
- Portland OR
- Providence RI
- Richmond VA
- Sacramento CA
- Salt Lake City UT
- San Diego CA
- San Jose CA
- Seattle WA
- Singapore
- Tampa FL
- Tempe AZ