

A measured step forward™

Chemical Feed Systems

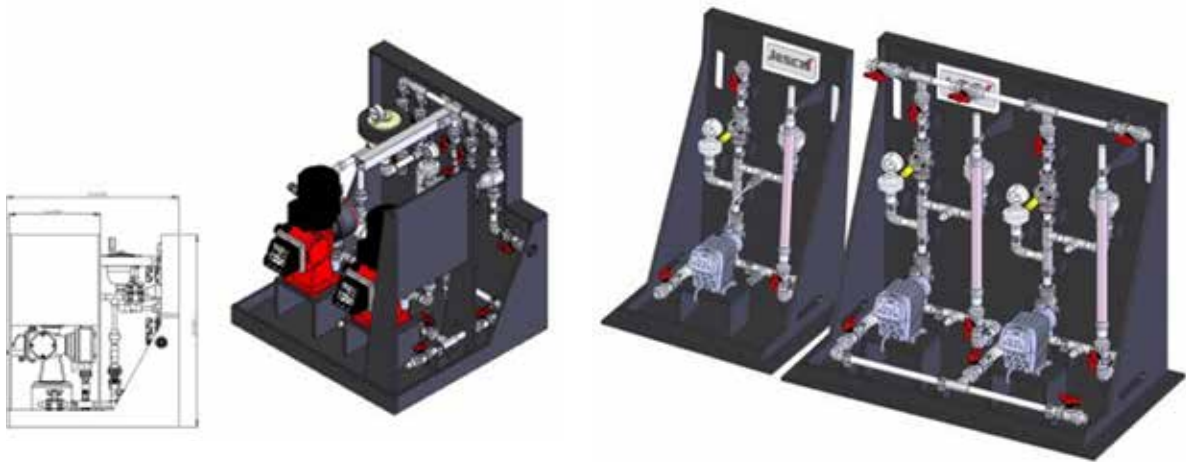
CHECK OUT OUR NEW WEBSITE
www.chemicalfeedsystems.com



Total | Metering
Fluid | Transfer
Management | Chem Feed

Chemical Feed Systems

For Municipal, Industrial, and OEM Markets



APPLICATIONS

Lutz-JESCO's Chemical Feed Systems are successfully used in a wide range of industrial and municipal markets, including:

- Greenhouse
- Pulp & Paper
- Petrochemical
- Cooling Towers
- Pharmaceutical
- Food & Beverage
- OEM
- Boilers
- Chemical
- Car Wash
- Power & Energy
- Swimming Pools
- Drinking Water Treatment

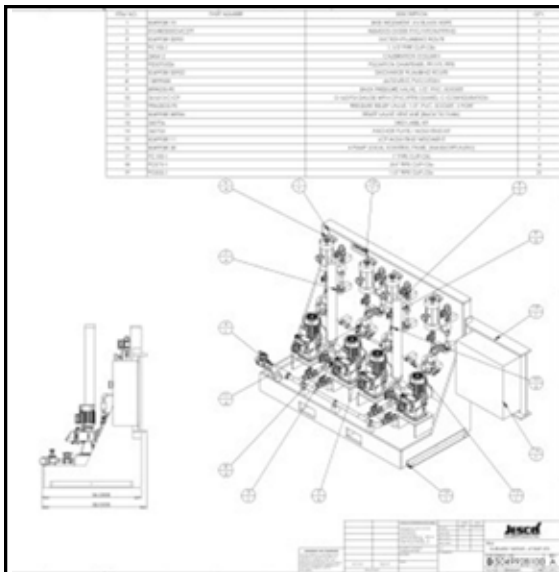
FEATURES

By working closely with the project engineer, Lutz-JESCO provides its extensive experience in the field of metering technology to offer you Chemical Feed Systems in a variety of options:

- CFS weldment materials: black or colored UV protected HDPE, 316SS, PP, EPOXY coated steel, FRP Plumbing materials: 316SS, PVC, PP, PVDF.
- Systems may include: Any combination of single or multiple metering or transfer pumps, Tanks and Mixers, Measuring and Control Equipment, any combination of pump accessories.

Chemical Feed Systems

Skid, Wall, Tank Mounted Systems



CHEMICAL SERVICES

The broad range of materials available for Lutz-JESCO skids allows for a wide selection of chemicals to be processed, including:

- Aluminum Sulfate
- Phosphoric Acid
- Aqua Ammonia
- Calcium Hypochlorite
- Powder Activated Carbon
- Ferric Chloride
- Sodium Bisulfite
- Fluoride
- Sodium Hydroxide
- Hydrochloric Acid
- Sodium Hypochlorite
- Hydrogen Peroxide
- Sulfuric Acid
- Phosphate

SKID, WALL, TANK MOUNTED

- Lutz-JESCO Skid Mounted Systems can accommodate larger pumps, making them ideal for larger flow applications. Skid Mounted Systems also offer containment, controlling chemicals in case of leakage.
- Our Wall Mounted Systems feature a very space efficient design. Their small footprint makes them ideal for limited space as they are mounted directly above the chemical storage tanks. Their design also makes them easily accessible for maintenance.
- Tank Mounted Systems give the customer chemical storage, metering, and mixing in one convenient package. Their portable design makes them not only ideal for temporary installations, but allows also for easy relocation as application needs may change.

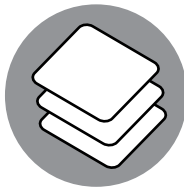
Chemical Feed Systems

Pre-engineered or Custom-designed



IN-HOUSE ENGINEERING, DESIGN AND PRODUCTION

Backed by our extensive knowledge and experience in Chemical Feed System design and manufacture, you get one integrated solution for your specific chemical feed requirements.



REDUCE COST, INCREASE RELIABILITY

Buying a complete Chemical Feed System from Lutz-JESCO America offers many advantages. Reduce cost, facilitate start-up and maintenance, increase system reliability and maintain single-source system responsibility.



“TURN-KEY” OR CUSTOM-DESIGNED AND BUILT

Choose our standard, pre-engineered systems for common applications or talk to us about a custom-engineered system to meet your precise needs.



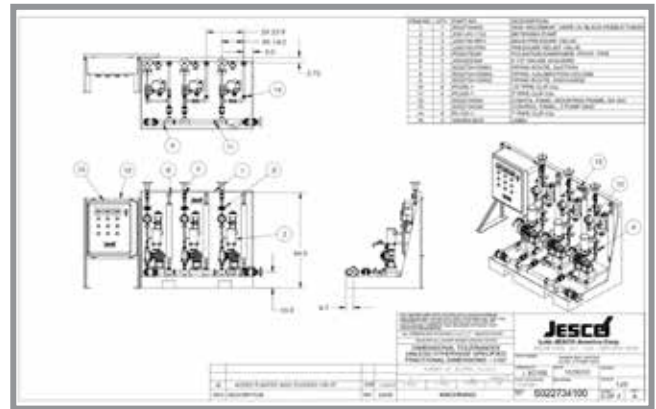
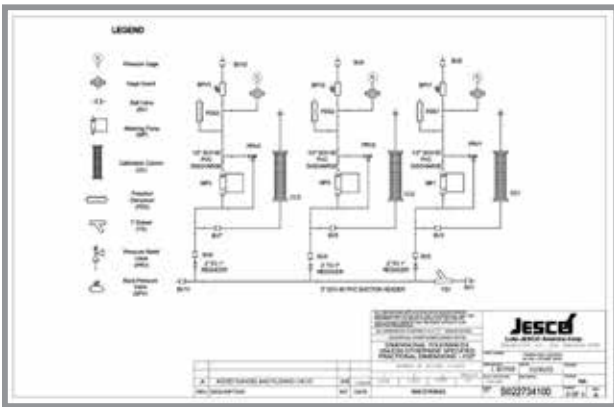
Lutz-JESCO also designs, within extremely competitive delivery terms, Chemical Feed Systems built precisely to the customer's specific application needs.

All of our custom systems are fully tested and calibrated and include all supporting documentation.

Custom designed Chemical Feed Systems can include any combination of single or multiple Metering or Transfer Pumps, Accessories, Tanks, Mixers, and Control Panels.

Chemical Feed Systems

One integrated Solution for your specific Chemical Feed Requirements



IN-HOUSE ENGINEERING

Lutz-JESCO's Chemical Feed Systems are designed and engineered completely in-house, so we take responsibility for the entire system.

Our in-house engineering services include:

- 3D CAD / Solidworks Mechanical engineering and modeling Design
- Skid structural Design, Piping Design, Routing Design
- P&ID drawings and Installation Drawings
- Electrical and Mechanical Engineering in-house

IN-HOUSE PRODUCTION

Using only precision tools and equipment, Lutz-JESCO manufactures the highest quality Chemical Feed Systems in the market.

Our in-house production capabilities include:

- Plastic Fabrication
- Cutting and Welding (HD)PE, (C)PVC, standards are ½" and ¾" thickness
- For Tank-, Wall-, Floor- mounted Pumping Systems
- Welded by DVS certified welder, according to SKZ / DVS 2212 Certifications
- Welding of (316) SS Piping
- PVDF (Kynar) Fusion Welding
- FRP (Fiber-Reinforced Plastic) fabricated Skids
- Control Panel Integration / System-Wiring and Connection

Chemical Feed Systems

Examples - Lutz-Jesco America Systems



EXAMPLE #1

Ferric Chloride, Sodium Hydroxide, Sodium Hypochlorite, Sulfuric Acid – Arsenic reduction facility

- 3 Pump MEMDOS System
- Standard HDPE Base
- Spill Containment
- Plexiglas Enclosure
- Forklift Pockets



EXAMPLE #2

Lutz-Jesco POLYBLEND Polymer System

- Skid-mounted with common suction and discharge Headers
- Stainless Steel-frame with HDPE Inserts
- Stand-alone System
- Integrated MEMDOS SMART Stepper-motor Pumps



EXAMPLE #3

Sodium Hydroxide and Sulfuric Acid System

- 3 Pump 1700 Series System
- Stainless Steel-frame
- HDPE Containment
- Control Panel with Variable Frequency Drives

Chemical Feed Systems

In-House Engineering, Design and Fabrication

EXAMPLE #4

Sodium Bisulfite for de-chlorination System

- Wall-mount system with TOPAX / Sampling Station
- Floor-mount system with PERIDOS Peristaltic Sample Pump
- Two Pump Wall-mount System with MAGDOS Solenoid Pumps



EXAMPLE #5

Sodium Hydroxide Industrial Smelting Application

- 2 Duplex 1740 Series Chemical Feed System
- Stainless Steel-frame with welded Stainless Piping
- HDPE Containment
- Automatic Stroke Length Controllers



EXAMPLE #6

Sodium Hypochlorite - Municipal Drinking Water Application

- Two Pump Floor-mount Chemical Feed System
- White HDPE Skid Weldment with Containment
- Local Control Panel with Independent Disconnect
- MEMDOS Motor driven Metering Pumps



Chemical Feed Systems

Examples - Lutz-Jesco America Systems



EXAMPLE #7

Peracetic Acid for Wastewater Disinfection

- 2 Pump PERIDOS Peristaltic Pump System
- HDPE Enclosure with Plexiglas Doors and Sides
- (316) Stainless Steel piping
- Forklift Pockets



EXAMPLE #8

Mobile Disinfection Trailer, Chlorine Dioxide

- Self-contained Chlorine Dioxide Generators
- Dual Day-Tanks plus Water Storage Tank
- Booster Pumps
- Lighting and Local Control Panel with 100 amp Service
- Mobile Solution in DOT approved Trailer



EXAMPLE #9

Plastic Welding Capabilities

- HDPE, PVC, PVDF, and Polypropylene certified and trained welders
- Certified according to DVS 2212-1 Standard

Chemical Feed Systems

Precision Fabrication for Reduced Costs and Increased Efficiencies

EXAMPLE #10

Liquid Ammonium Sulfate / Sodium Hypochlorite System

- Seven Pump PERIDOS Peristaltic Pump System
- Multiple Injection Points with Common Suction Header
- Stainless Steel Frame
- HDPE Containment



EXAMPLE #11

Sodium Hydroxide Commercial Dairy CIP Loop

- HDPE Enclosure with Plexiglas Doors / Sides
- AODD Bulk Feed with MEMDOS Metering Pump
- Pre-plumbed Air-piping with Filter / Regulator



EXAMPLE #12

Lutz-Jesco Standard Systems Packages

- 1 and 2 Pump pre-engineered Systems
- Cost-efficient Production
- Fast turn-around Time



Chemical Feed Systems

Advantages of Lutz-JESCO Chemical Feed Systems

PRECISION FABRICATION, SINGLE-SOURCE SYSTEM RESPONSIBILITY

- Reduced Cost, Streamlined Documentation, Eliminated Construction Delays, Reduced Start Up Constraint
- Provide system Integration while maintaining single-Source System Responsibility
- Each System is designed with Practical and Reliable Operation in Mind
- System is Hydrostatically Tested for Flow, Pressure and Performance at Factory
- Simplified Field Integration for Easy Installation and Start-up — only three field connections are required: Suction, Discharge, and Power
- Ease of Access to all Components (ball valves, calibration columns, relief valves, controls, etc.)

REDUCED COST, INCREASED EFFICIENCIES

- Spill Containment Basin with Drain for preventive Maintenance
- Factory Assembled, using only Precision Tools and Equipment
- Comprehensive Warranty
- Design, Layout, and Engineering Assistance
- Established Written Specifications and Drawings for Ease of Equipment Selection and Incorporation into Master Plans
- Each System is Serialized for Identification of all Components
- Chemical Resistance Guaranteed on all Components

POST-SALES SERVICE

To maintain and extend the quality of your Chemical Feed System, Lutz-JESCO offers a broad range of post sales services and technical assistance, including:

- Start- up Service
- Demand / on-call Service
- Maintenance Service on-site
- Technical support, both off- and on-site
- Submittals / Documentation preparation

Chemical Feed Systems

Lutz-JESCO America - A Tradition of Excellence

For over 80 years, Lutz-JESCO America Corp. manufactures and sells chemical feed technology and related equipment throughout North and South America. For information on all of our products, including our Metering Pumps-and Accessories, Centrifugal Pumps, Air-operated Double Diaphragm (AODD) pumps, our Chlorine Dioxide Systems, Chlorinators, and UV Systems, please visit our main website at www.lutzjescoamerica.com

As one of the first metering pump manufacturers in The Americas to offer complete Chemical Feed Systems, we have established ourselves over the past decade as a Chemical Feed System Specialist.

By consistently meeting highest standards relative to the quality of our equipment, our customer service, on-time delivery, and due to our flexible way of conducting business, we have achieved an outstanding position within the chemical feed - technology industry.

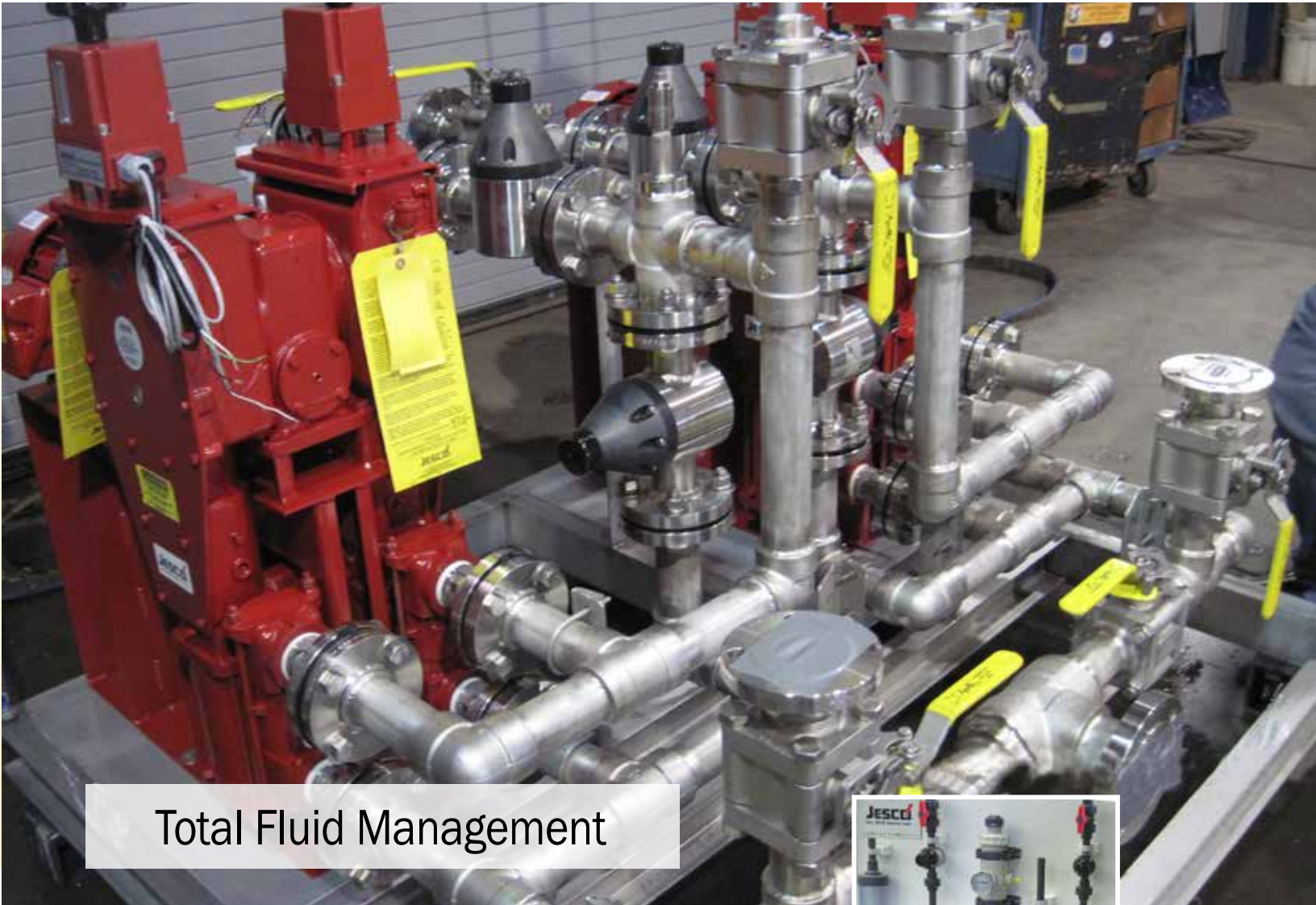
Our company stands for industrial, municipal, and OEM chemical-feed solutions of highest quality, reliability, and safety.

We strive for a maximum in customer satisfaction by being a customer oriented organization throughout the entire sales - and after sales cycle.

Lutz-JESCO America is an independent, profitable company with the goal of ongoing establishment and growth within the industry. We develop and complement our existing product line to respond to changes in market demand and customer preferences.

Lutz-JESCO America Corp.

www.lutzjescoamerica.com



Total Fluid Management

Lutz-JESCO manufactures the highest quality Chemical Feed Systems in the market. We engineer, design, and manufacture all Chemical Feed Systems in-house, providing system integration while maintaining single-source system responsibility.

Please contact us for more information!



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