



WATER CLARIFICATION SYSTEMS

*Municipal and Industrial
Water Treatment*

End-to-End Water Clarification Systems

Industrial Service Solutions is a single-source provider of water clarification equipment design, construction, maintenance, repair and overhaul services for municipal and industrial water applications. Our total system approach to water clarification means each component is optimized to work in concert, delivering a unique degree of performance and reliability.

1 2 3 4

Water Clarification System Engineering Municipal, Industrial, Chemical & Petrochemical, Food & Beverage

- Water Intake and Monitoring
- Water Disinfection, Clarification, and Purification
- Pollutant, Taste, and Odor Removal
- Water Transportation and Distribution

Water Pumps

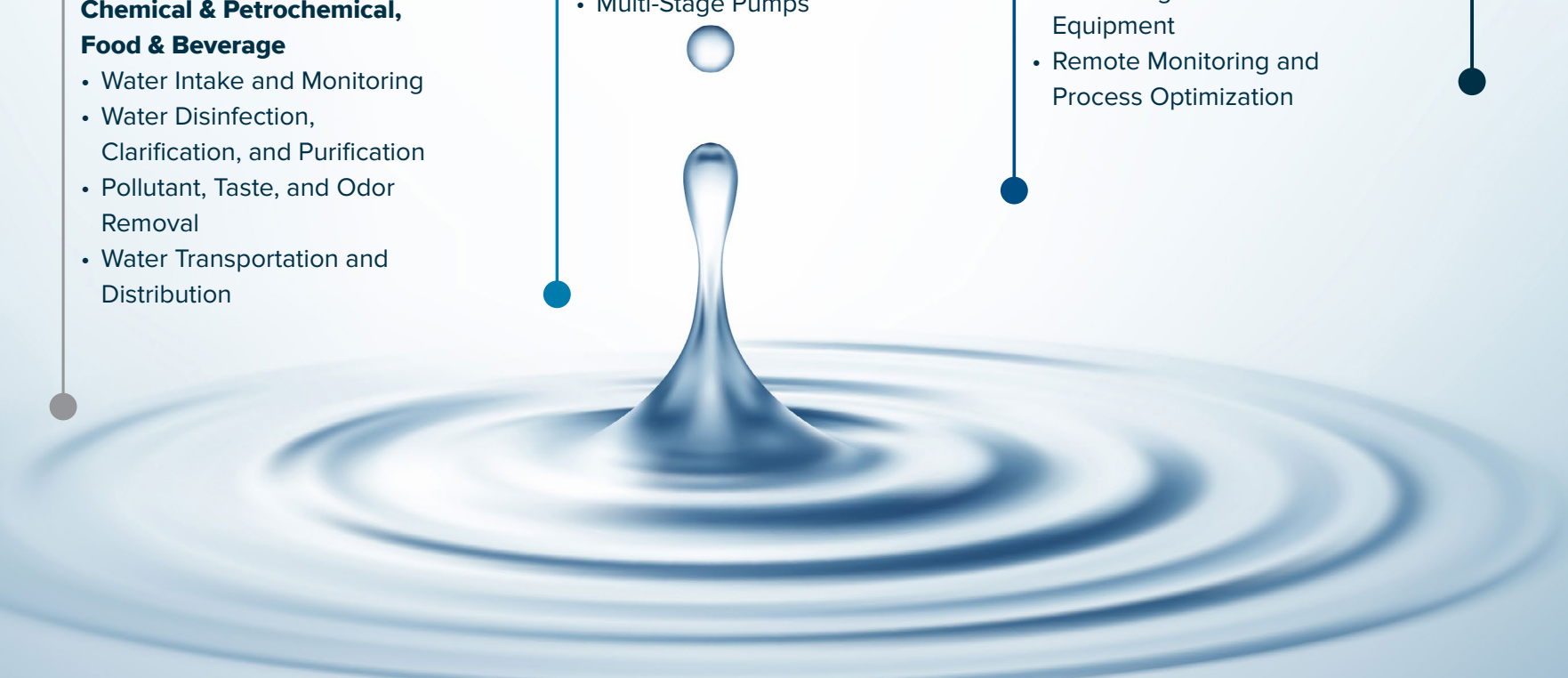
- Submersible Pumps
- Vertical Turbine Pumps
- Centrifugal Pumps
- End Suction Pumps
- Multi-Stage Pumps

Chemical Feed Systems

- Design, Layout and Engineering
- Written Specifications and Drawings for Master Plan Incorporation
- Single or Multiple Metering or Transfer Pumps
- Measuring and Control Equipment
- Remote Monitoring and Process Optimization

Polyethylene Storage Tanks

- Rotomolded Double-Wall Vertical Tanks
- Wind and Seismic Restraint Systems
- Ultrasonic Level Monitoring and Leak Detection Systems
- Heat Tracing and Insulation



Municipal and Industrial Water Pumps

Industrial Service Solutions offers a comprehensive range of pumps as part of a complete water clarification system, including chemical feed skids and storage tanks. We are proud to offer the complete line of pump technologies, including Grundfos, Netzsch, and Xylem's Flygt products.

ISS is also an authorized distributor of 100% OEM compatible products including control valve parts, actuators and accessories. ISS is also a Blue Ribbon Distributor of Limitorque actuators and other parts.

Pump types sold and serviced by ISS include:

- Gear, Screw and Diaphragm Pumps
- Metering Pumps
- Horizontal Split Case Pumps
- Hydraulic, Peristaltic and Centrifugal Pumps
- Vertical Turbine Pumps



The pump represented in this photo is not a Flynt pump.



Chemical Feed Systems

Industrial Service Solutions is a leading designer and manufacturer of chemical feed pump skid systems, delivering benefits well before fabrication begins. Our engineers offer design and layout assistance and establish written specifications and drawings for every unit. These added steps ensure that selected equipment incorporates into master plans and maintain single-source system responsibility, providing a higher degree of performance and reliability.



Our unique approach to design and construction reduces cost, streamlines documentation, eliminates construction delays, and reduces startup constraints.

Adhering to the highest international welding standards, every ISS custom skid system is constructed by a certified welder. The system is then hydrostatically tested and tested for flow and performance prior to shipment. Each component is guaranteed to be resistant to all chemicals for which it is designed.

- Skid-mounted, tank-mounted and wall-mounted control panel configurations available
- Factory assembled using precision tools and equipment
- Each system serialized for ease of component identification
- Easy installation and startup
- Only three field connections required – Suction, Discharge, and Power
- Maximum access to all components – ball valves, calibration columns, controls, etc)
- Spill containment basin includes drain for preventive maintenance
- Chemical resistance guaranteed on all components
- Comprehensive warranty



Control and Instrumentation System Integration

Industrial Service Solutions is a comprehensive controls systems integrator, with a dedicated team of professional engineers, programmers, fabricators and installers. ISS control systems are UL508A Certified and NQA 1 Compliant, designed by registered Professional Engineers and installed by licensed electrical contractors.

ISS automated, centralized control systems include:

- Programmable Logic Controllers
- Variable Frequency Drives
- Human-Machine Interfaces
- SCADA
- Distributed Control Systems
- PC-based Links to Remote Terminal Units

ISS also offers a full line of instrumentation products, including measurement of Process Level, Temperature, Pressure, Flow, and Water/Chemical Analytical Measurement. Our contractors are certified for installation of Endress Hauser, Rosemount, Mettler Toledo, Hach, and Swan Analytical systems. When coupled with our engineering and control system packages, ISS delivers a comprehensive solution.

Polyethylene Chemical Storage Tanks

Industrial Service Solutions offers an extensive range of polyethylene storage tanks for water clarification and water treatment applications. Rotomolded tanks, ranging from 40 to 12,000 gallons, offer a variety of advantages versus other options, including:

UNIFORM WALL THICKNESS

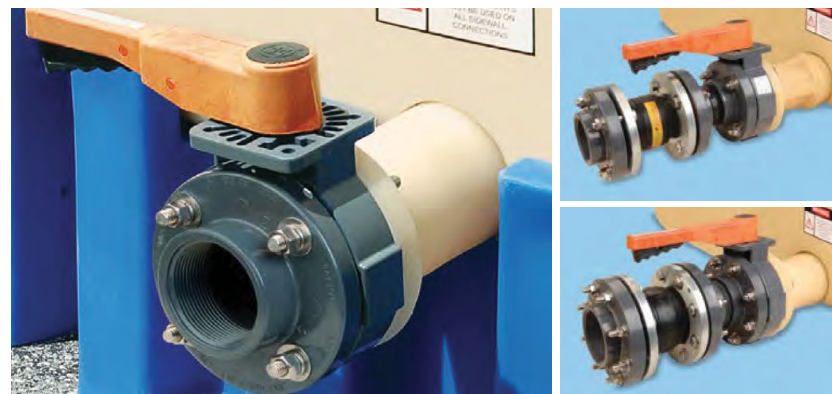
Walls on most chemical storage tanks are thicker at the bottom than at the top, due to manufacturing limitations and cost reduction considerations. Tanks rotomolded from crosslinked polyethylene feature walls of uniform thickness from top to bottom, for a more trustworthy, structurally-sound vessel.

WIDE VARIETY OF FITTINGS

Polyethylene welded fittings, bulkhead fittings, and flange fittings in elastomers or 316 stainless steel support virtually every chemical storage application.

TANK HEAT TRACING AND INSULATION

Using different heat tracing elements, temperature of tank contents can be maintained at any point above 50° F, 80°F, or 100°F over the lowest ambient temperature to which the tank is subjected.



3" FDO (top) and 4" FDO (bottom) with flanged coupling, butterfly valve, and flexible expansion joint.



Small double wall tank systems consists of a primary inner tank and secondary containment, with a capacity of 120% of the inner tank, exceeding EPA standards and complies with 40 CFR-264.193.



Conical bottom storage tanks are available in seamless molded one piece units from either virgin high density crosslink or FDA-compliant linear polyethylene.

ISS Services Overview

WHO WE ARE

Industrial Service Solutions maximizes process-critical uptime, delivering technology, insights and expertise to keep industry moving.

We are America's largest independent equipment and service provider, with broad reach, a large footprint, and deep sector knowledge.

2500+

employees in more than 50 U.S. locations

24

trusted brands, serving 16 different industries

2500+

business verticals delivering manufacturing, field service, shop service, engineering, and inspection services nationwide

WHAT WE DO

Industrial Service Solutions is uniquely positioned to offer OEM-equivalent service, on a faster, more cost-effective basis for a broad range of industrial markets.

We are an OSHA, Avetta, and Browz-compliant ISNetwork® member whose safety record exceeds industry averages.



Local Expertise, National Reach

Field Services

Planned Turnarounds
Emergency Repairs
Onsite Maintenance
Inspection Services
System Integration

Shop Services

Repairs & Overhauls
Remanufacturing
Fabrication & Machining
Inspection Services

Engineering Services

Electrical, Mechanical, Civil, and Automation Engineering
Reverse Engineering

Supply Services

Product & Part Distribution
Rentals

- Motors
- Pumps
- Valves
- Compressors
- Controls
- Machining
- Inspection Services
- Water & Wastewater

Rotating Equipment Services

We provide nationwide field, shop, and supply services for motors, pumps, generators, valves/actuators, compressors, drives/controls, and other related equipment.

- Regional shops provide comprehensive service
- High-performance custom power system design and engineering
- Advanced control and automation systems
- OEM and private-label distribution services, plus reverse engineering for obsolete parts



Process Equipment Services

We provide turnkey field support for construction projects, as well as every type, brand, and application of process equipment.

- 24/7/265 emergency response & support
- Civil, electrical, mechanical & structural engineering
- Equipment overhauls, repairs & retrofits
- Commissioning, installations & upgrades
- Shutdowns & turnarounds



Inspection Services

We provide an unrivaled suite of traditional and advanced NDE/NDT methods to enhance material integrity evaluations, remaining component life assessments, stress and failure analysis, and component or structural repairs.

- Traditional nde/ndt
- Advanced nde/ndt
- Quality assurance
- Inspection training





Corporate Headquarters - Houston

840 Gessner, Ste. 950
Houston, TX 77024
Phone: (888) 384-2111
www.iss-na.com

Arizona

4411 S 40th St, Ste D6
Phoenix, AZ 85040
Phone: (480) 753-0220
www.iss-na.com

Pennsylvania

1095 Montour West Ind Park
Coraopolis, PA 15108
Phone: (412) 203-4552
www.iss-na.com