

PowerServiceInc.com | 1.800.743.4774

PRODUCTS AND SERVICES GUIDE



A DISTRIBUTION **NOW** COMPANY

a division of



PROCESS
SOLUTIONS



Your One Stop Solution for rotating and process equipment engineering, design, installation, fabrication, distribution, and service.

Wyoming | North Dakota | Montana | Utah | Colorado



Your One Stop Solution for rotating and process equipment engineering, design, installation, fabrication and service.

We want to thank you for taking the time to browse through our Products and Services Guide. At all of our many locations, Power Service takes great pride in not only the large selection of services and products we offer, but also the high level of quality and innovation we maintain in everything we do.

Our customers range from those who need just basic parts, to large oil, gas, and water pump packages - from one person to international corporations. And with all of our clients, we consider them to be more than just customers; we consider them partners. In other words, Power Service is here to help you find quality and cost-effective solutions!

Whether you're a current customer of Power Service or just beginning to explore what we have to offer, we hope it's evident that our drive and passion is to truly be your ONE STOP SOLUTION for rotating and process equipment engineering, design, installation, fabrication, distribution and service.

We encourage you to visit our website at PowerServiceInc.com or call us today at 800.743.4774 for more information or to schedule a tour of our facilities. We look forward to working with you!

Kindest Regards,
The Power Service Team



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Power Service has a wide selection of OEM and Spare parts on hand. This list includes many of the product-lines we offer as a full-service distributor.

From Humble Beginnings to Industry Leader

Power Service, A DistributionNOW Company, is your ONE STOP SOLUTION for rotating and process equipment, engineering design, installation, fabrication, distribution and service. In 1954, Power Service opened its doors in Casper, Wyoming and was originally a distributor of industrial engines. Power Service has evolved into an OEM parts distributor (including pumps, generator sets, air compressors and blowers) as well as a fabricator of custom LACT Units, VRU, ASME Code Vessels and Water Production skids – to name a few. In other words, we are growing and changing at the speed of your company.



Power Service and DistributionNOW Process Solutions has:

- Over 30 locations in the United States
- Over 450,000 sq.ft. of fabrication, service, and office space
- A large staff of factory-trained technicians available 24/7
- Vast parts inventory that can be purchased and quickly shipped.



Fabrication Capabilities

Rotating equipment users throughout the nation rely on Power Service to simplify the installation of their pumps, air compressors, blowers, LACT units and other industrial equipment. Our goal is to eliminate very costly and time-consuming built-on-site equipment field installations. Our fabricated packages arrive on location skidded, housed and requiring only minimal set up.



A Quick View Of Our Fabrication/Repair Facilities:

- Automated vessel & head profiling machines and robotic welding system for quick and accurate fabrication
- 420,000 sq. ft. total fabrication facilities
- Largest skid built indoors, 23'8" x 80'
- Skids/buildings built-in house to your specs.
- (12) 30,000 lbs wire rope hoist systems.
- (5) 60,000 lbs beam systems
- (2) 40,000 lbs beam systems
- (2) 30,000 lbs beams systems
- ...and much more.



Service Capabilities

When vital system components are not operating at their fullest, it's important to get them up and running again quickly. We have your back 365 / 24 / 7 for the life of your equipment! For more information, take a look at our SERVICE section in this guide.

PSI Service Department has:

- 7 Full-Service Locations
- Over 40 Highly-Qualified Field and Shop Service Technicians
- 365 / 24 / 7 Access to our Service Personnel
- Mobile Equipment and Service Capabilities
- Full-Service Crane Trucks at All Service Locations
- ...and much more.



For more information on any of our products and services or to schedule a tour of our facilities, visit us today at **PowerServiceInc.com** or call toll-free at **1.800.743.4774!**



PROCESS SOLUTIONS



Over 30 locations to serve you better!

LOCATIONS

POWER SERVICE WYOMING

HEADQUARTERS
5625 Chapman Place
Casper, WY 82604
P.O. Box 2870 (Zip: 82602)
Toll Free: 800.743.4774
Phone: 307.472.7722
Fax: 307.472.7726

595 Uinta Drive
Green River, WY 82935
Phone: 307.875.5200
Fax: 307.875.5222
Toll Free: 877.562.7867

POWER SERVICE COLORADO

8413 Rowe Place
Frederick, Colorado 80504
Phone: 303.394.4440
Fax: 303.394.4122
Toll Free: 888.292.2298

621 17th Street, Suite 2600
Denver, CO 80202
Phone: 303.394.4440
Fax: 720.541.7376

POWER SERVICE NORTH DAKOTA

50 West Broadway Street
Dickinson, ND 58601
Phone: 701.225.7161
Fax: 701.225.7069

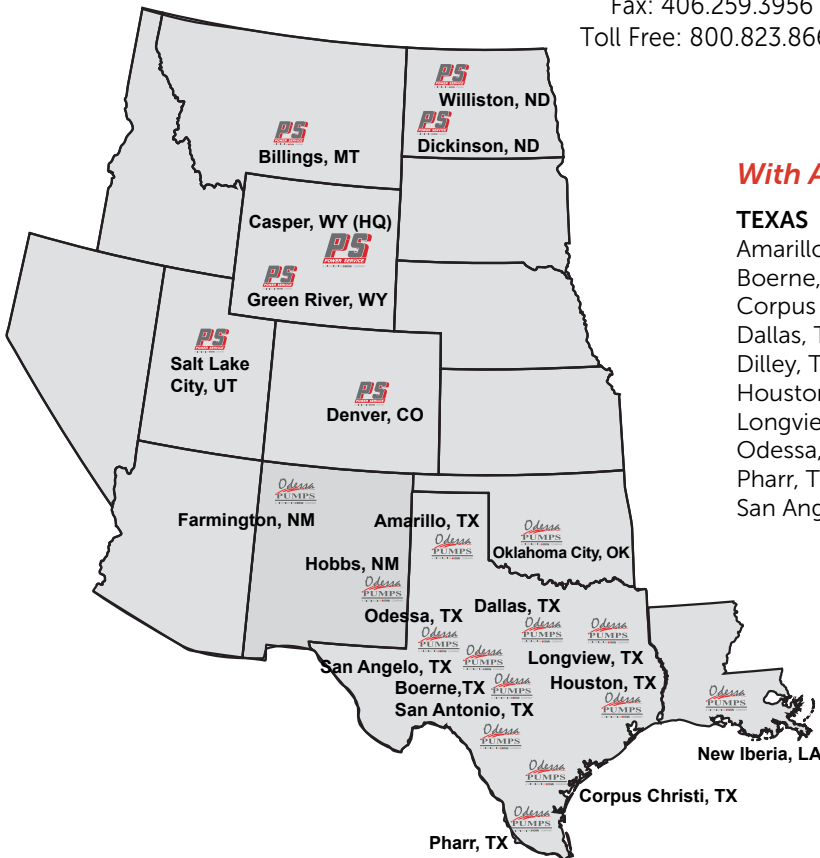
4924 Saddle Ridge Circle
Lot #8
Williston, ND 58801
Phone: 701.690.1339
Fax: 701.225.7069

POWER SERVICE MONTANA

4025 1st Avenue South
Billings, MT 59101
Phone: 406.252.8114
Fax: 406.259.3956
Toll Free: 800.823.8665

POWER SERVICE UTAH

3284 West 2100 South, Suite B
Salt Lake City, UT 84119
Phone: 801.433.3331
Fax: 801.433.3335
Toll Free: 800.276.7175



With Additional Service Locations In:

TEXAS

- Amarillo, TX
Boerne, TX
Corpus Christi, TX
Dallas, TX
Dilley, TX
Houston, TX
Longview, TX
Odessa, TX
Pharr, TX
San Angelo, TX

NEW MEXICO

- Hobbs, NM
Farmington, NM

OKLAHOMA

- Oklahoma City, OK

LOUISIANA

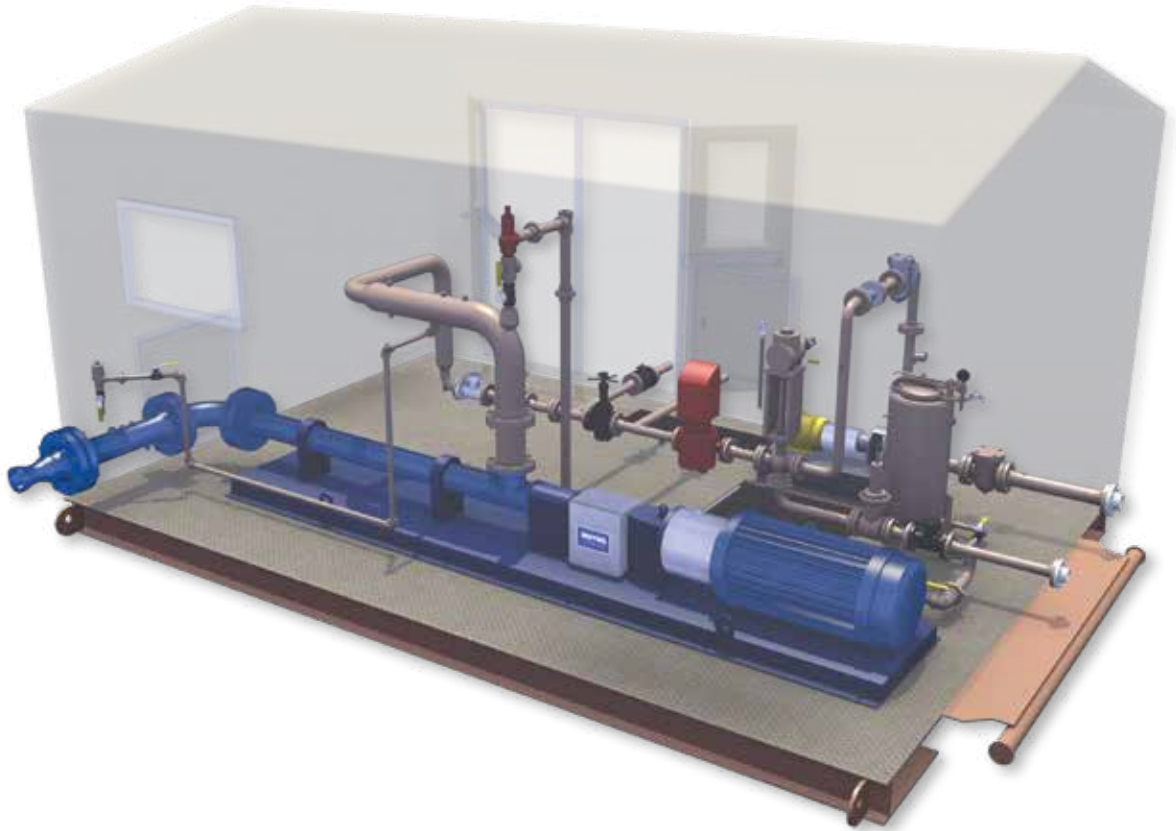
- New Iberia, LA

Visit distributionnow.com/locations for our most up-to-date locations information.

LACT UNIT

Lease Automatic Custody Transfer

Our LACT Units provide accurate custody transfer of crude oil. Unmatched in our quality and flexibility, we offer designs to meet any specification.



Pipeline Integration

Power Service can integrate your pipeline pump into your LACT package, simplifying installation and automation of your system.

Measurement Flexibility

Units can include PD or Coriolis meters to meet your criteria.

Leading the Industry

We have manufactured and shipped over 5,000 LACT units worldwide. Our state-of-the-art LACT assembly facility provides us the ability to meet any customer demand for single or multiple unit deliveries.

Regardless of complexity or design we can meet and exceed your requirements. Our LACT units are available with multiple pump technologies that are applied based on the best fit rather than a one size fits all solution.

Our state-of-the-art automation further simplifies your equipment by controlling the unit and consolidating the operational and measurement data.

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.



Quality Assurance

Power Service can provide you with a FULL FUNCTION WET F.A.T. Our test facility allows your LACT unit to be completely performance tested and the automation customized prior to arriving at your location. Just another way we are raising the bar in LACT manufacturing and design.



Customized Configurations

Whether it's dual meter runs, cold weather packaging, integrated pipeline pumps or custom automation, Power Service offers unlimited engineered solutions for your custody transfer and measurement needs.

Automation

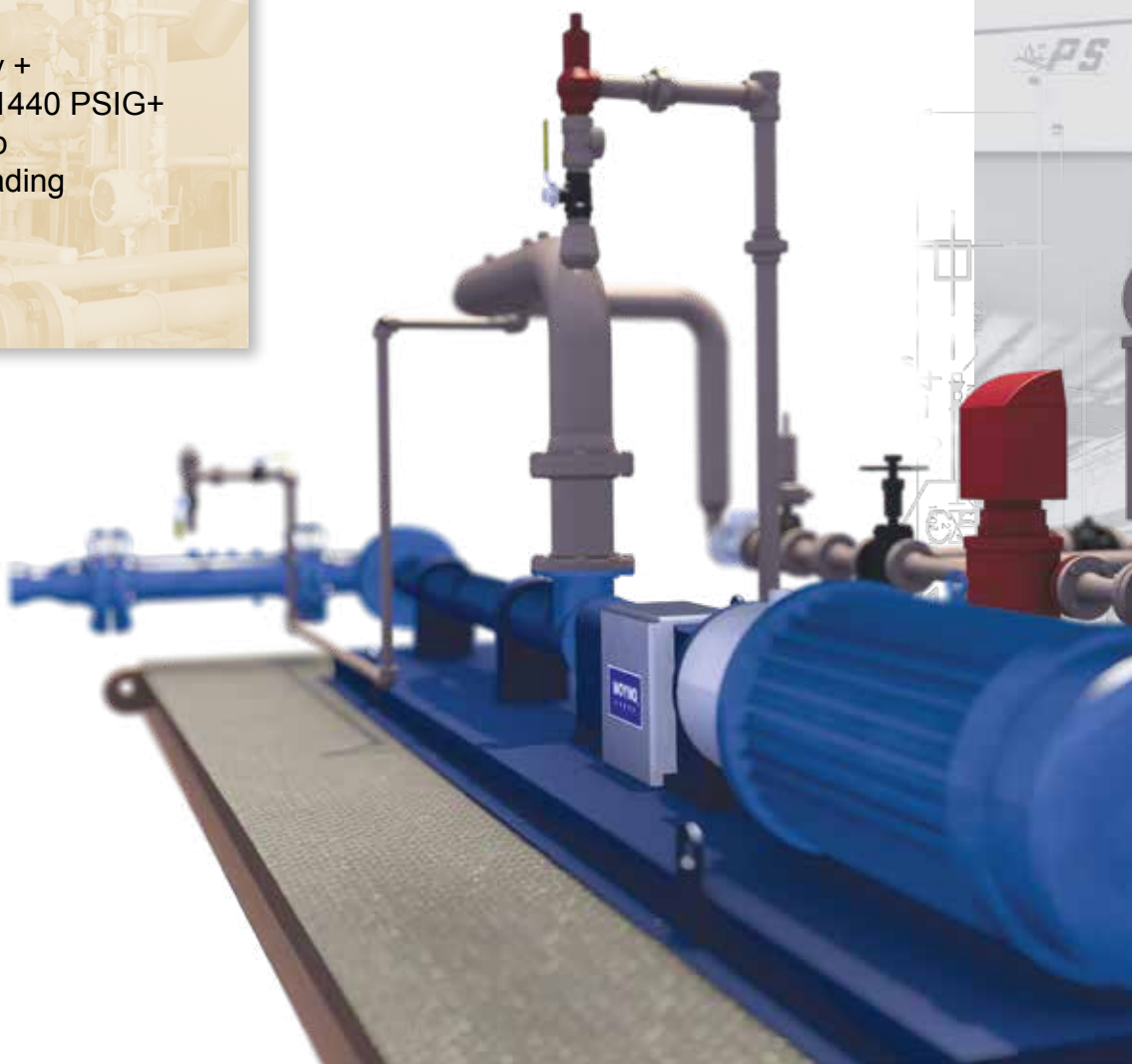
LACT units can be integrated with any type of PLC automation or flow computer and integrated into existing SCADA systems to collect data and monitor the operation.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.

Specifications and Options:

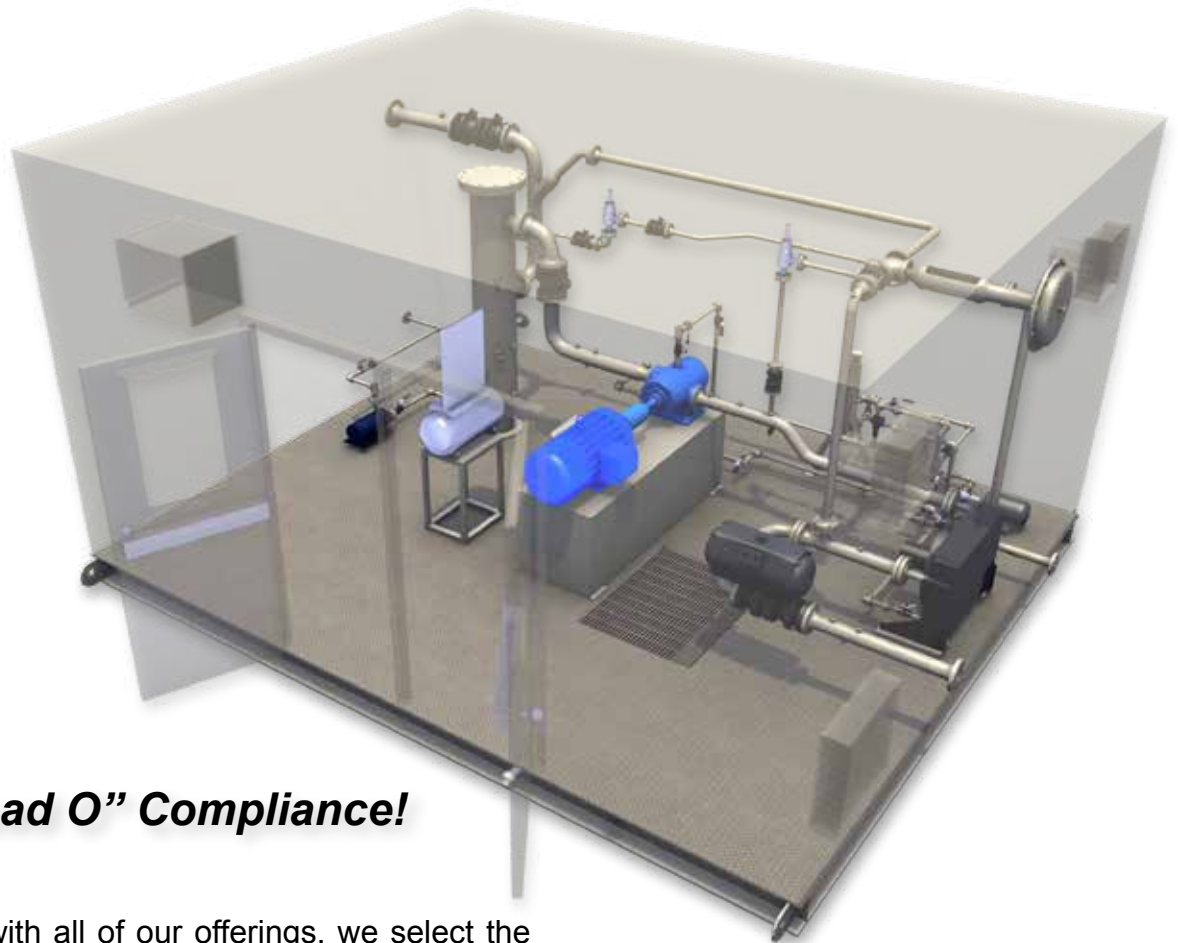
- Full API 11N Compliance
- 2" - 8" Meters
- Flows to 100,000 bbl/day +
- Discharge Pressures to 1440 PSIG+
- Integrated Pipeline Pump
- Truck Loading and Unloading
- ACT Skids
- Allocation
- Multiple Meter Runs



LACT

VAPOR RECOVERY UNIT

Power Service prides itself on being an innovator and industry leader in the design, and fabrication of Vapor Recovery Units.



“Quad O” Compliance!

As with all of our offerings, we select the compression technology and automation package based on your conditions of service. By utilizing this approach, we ensure that your Vapor Recovery Unit (VRU) will provide trouble-free operation.

With our years of experience, we understand the typical pitfalls with vapor recovery. This gives us the knowledge to fabricate a package free of the normal operational and maintenance issues that are common in VRU packages.

Our multiple packaging options allow us to customize your facility to any level of

redundancy and stand alone capability that you require.

Whether it is an open unit with a small reciprocating compressor, rotary vane, flooded screw or HP combination unit, we have the designs to fit your needs.

Our state-of-the-art control logic gives us the unique ability to modulate the flow of your facility to meet varying conditions. This technology allows us to deal with spikes in production, keep the system free of liquids, and prevent lube contamination from hydrates.

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

VRU

Modular Design

Our VRU packages feature integration that allows the unit to be operated completely unmanned in even the harshest environments.

Electrical Classifications

All of our facilities are available in either non-classified, C1D2 or C1D1 designs.

Packaging for Any Climate

From open warm weather skids, to completely enclosed cold weather packages, we have a design to meet any condition.

Compressor Options

We offer rotary vane, rotary screw, single-stage reciprocating or multi-stage reciprocating compressor options.

Flash Gas Compression

Power Service offers multiple solutions for flash gas compression that can be stand-alone or integrated with your VRU.

Automation

With the ability to utilize any combination of PLC platforms, data collection and transmission, we can provide you with real-time monitoring and control of multiple facilities from anywhere in the world!

This allows for easy integration into existing SCADA systems to collect data and monitor the operation. From start/stop, to variable speed with internal bypass, we have the right control logic for your service.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.

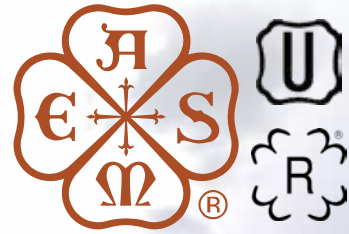
Specifications and Options:

- Rates to 2 MMCFD +
- Pressures to 1440 PSIG +
- Standard B31.3 Piping Construction
- Wind, Snow and Seismic Calculations
- Lifting Plans, FEA and Torsional Calculations Available
- PE-Stamped Buildings and Structural
- Steel Frame, Panel and Fiberglass Buildings



ASME VESSELS

From simple 2-phase separation to custom engineered process skids, Power Service can supply a solution.



From simple 2-phase separation to custom engineered process skids, Power Service can supply a solution. Our facilities feature state-of-the-art welding and test equipment.

As an ASME section VIII U & R facility, our QA/QC and certifications are second to none. We will adhere to any level of welding and testing specifications required.

With multiple Sub-Arc welders and industry leading lifting capacity, we are

able to construct and repair vessels of almost any size.

Combined with our packaging and engineering capability, we offer a truly unique level of customization.

As with all of our offerings we will offer you the correct solution based on your conditions and not a pre-packaged, one size fits all approach!

At Power Service, we are building it better.

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

ASME

Custom Design

With our extensive knowledge and engineering support, we can provide unique solutions for all of your vessel needs.

Process Design

Power Service can design and size vessels for your process conditions.

Packaging for Any Climate

From our standard under-skid insulation to our HVAC systems, Power Service will accommodate any ambient conditions.

Refining

Power Service can manufacture and engineer all types of refining towers, reactors, and drums.

Automation

With the ability to integrate your controls package to a full fledged PLC, we can streamline the monitoring and data acquisition of critical operational and measurement data from your vessel package.

Coatings

We have internal and external coatings to handle all types of abrasion, corrosion and temperature conditions.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.

Materials

We offer Steel, 304-316-316L-317SS, Duplex, Alloy 20, as well as additional materials available per application.

Power Service Capabilities:

- Vessel Lengths to 100' +
- Diameters to 12' +
- Vessel Thickness to 5"+
- Radiography Hydro-Mag and Particle-Dye Pen Testing
- FEA (Finite Element Analysis)
- Process Simulation
- Engineering Support and Design



Equipment Options:

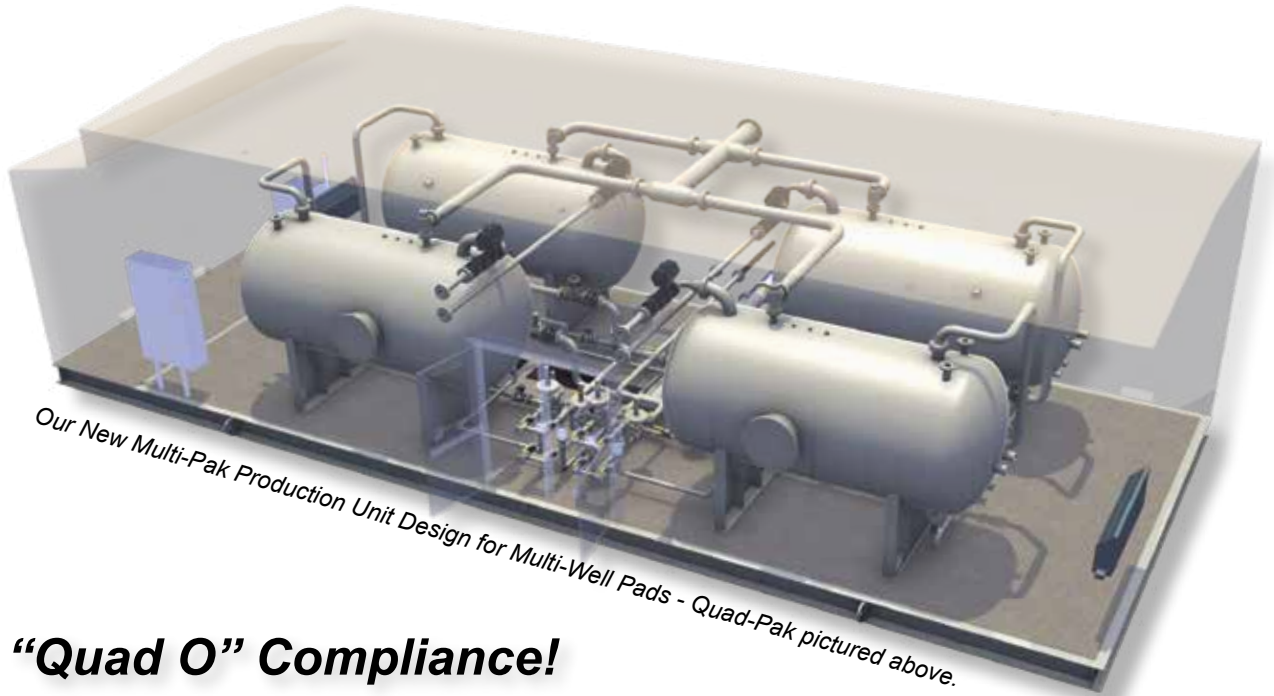
- 2-Phase Separation
- 3-Phase Separation
- Treaters
- Line Heaters
- Fractionation Towers
- Contactors
- Dehydration Units
- Stabilizers
- Pig Launchers and Receivers
- Vessel Repair and Re-Rate
- Pre-Fab Pipe Spools
- Slug Catchers



MULTI-PAK

MULTI-PAK PRODUCTION UNIT

A State-of-the-Art Scalable Modular Solution



Our New Multi-Pak Production Unit Design for Multi-Well Pads - Quad-Pak pictured above.

“Quad O” Compliance!

By design, our units feature integrated 2-8 horizontal 3-phase separators with individual inlets. The separated production stream then exits the unit in a common header for each phase.

Multi-Pak treaters feature the same advanced design with the addition of a firetube for fluid head where a heater treater is required.

This modularization provides a compact, reliable and scalable solution which dramatically simplifies field installation. Individual measurement for each well provides the operator with the ability to accurately allocate royalties and track well production. Units are completely customizable by altering the vessel size, controls and metering options.



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

Measurement Flexibility

Measurement options include:

- Coriolis, Mag and Turbine for Oil and Water
- Orifice Plate and V-Cone for Gas

Customizable Controls

Controls are available to meet any requirement:

- Pneumatic or Electric
- Modulating and Open/Closed

Lease Segregated Measurement

Our Multi-Pak units provide individual measurement of each phase of production. This allows for accurate allocation of royalties.

Consolidation

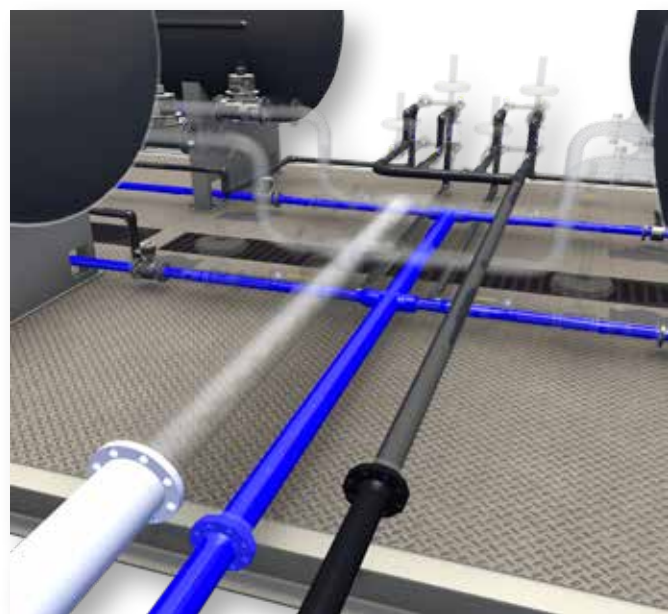
After measurement, each phase is consolidated providing a single hook up for Oil-Gas-Water prior to plumbing to the tanks or pipeline. This dramatically reduces well site installation costs!

Automation

Multi-Paks can be integrated with any type of PLC automation. This allows for easy integration into existing SCADA systems to collect data and monitor the operation.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.



Each production stream is measured separately before exiting the unit in a common header for each phase.



Specifications and Options:

- Liquids Flow Rates up to 10,000 bbl/day per vessel
- Gas Flow Rates to 12 MMCFD per vessel
- Pressure Ratings to 1440 PSIG
- Multiple Meter and Control Packages
- Multiple Vessel Internal Coating Options
- Higher Pressure & Flow Rates Available Upon Request
- Integrated Instrument Air Eliminates Methane Emissions for "Quad O" Compliance

PIPELINE FACILITY

Power Service's Modular Pipeline Facility can offer you a level of quality and productivity that is second to none.



For over 60 years, Power Service has been the industry leader in the design, engineering and fabrication of pump and process packages. Our modular mainline facilities are no exception.

By completely integrating pumps, process piping, MCC, PLC programming and monitoring, we can dramatically simplify installation. Our packages also offer substantial cost savings vs. traditional site-built facilities.

Our integrated skid structure and torsional analysis reduces the need for site civil and foundation work. With multiple packaging options, we can customize your facility to any level of redundancy and stand-alone capability that you require.

Whether it's an open unit with a pump or a large facility featuring multiple series or parallel pumps, we have the designs to fit your needs.

Our state-of-the-art control logic provides us the unique ability to modulate the flow of your facility to meet varying conditions. This technology allows us to provide multiple flow rates into the pipeline.



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

Modular Design

Our packages feature integration that allows the unit to be operated completely unmanned in even the harshest environments.

Electrical Classifications

All of our facilities are available in either non-classified, C1D2 or C1D1 designs.

Packaging for Any Climate

From open warm weather skids, to completely enclosed cold weather packages, we have a design to meet any condition.

Process Piping

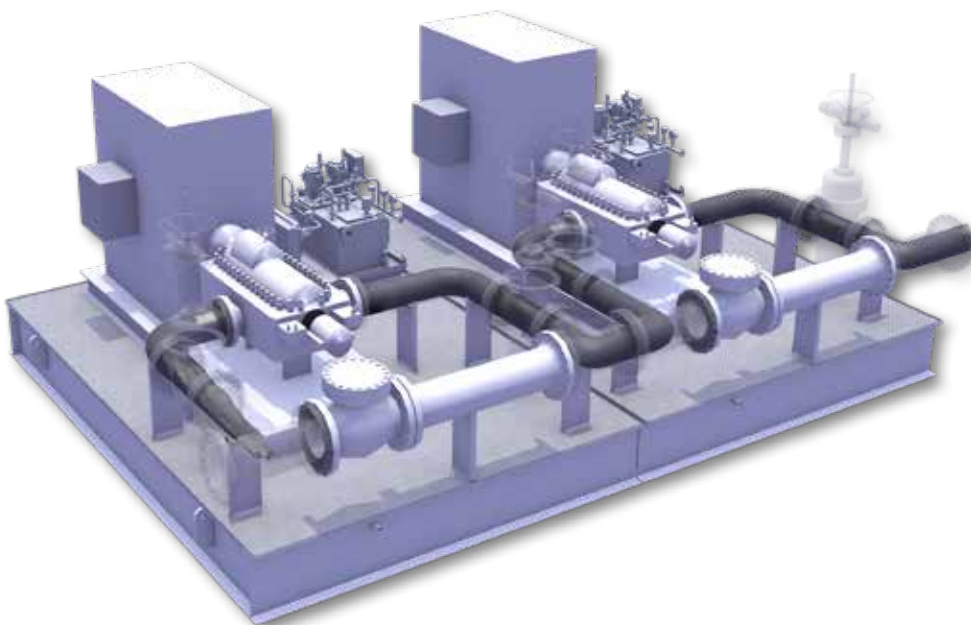
All Process Piping is sized and designed in accordance with industry best practices. Provisions are included for future pump additions and easy field tie-in.

Pump Options

We offer BB1—BB2—BB3 Series/Parallel, HPS, and Vertical Can Booster.

Specifications and Options:

- Pumps to 5000 HP+
- Seal Support Systems
- NDE and Hydro Testing
- Carbon Steel, SS, and Composite Piping
- Wind Snow and Seismic Calculations
- Lifting Plans, FEA, and Torsional Calculations Available
- PE-Stamped Buildings and Structural
- Steel Frame, Panel, and Fiberglass Buildings



Automation

With the ability to utilize any combination of PLC platform, data collection and transmission, we can provide you with real-time monitoring and control of multiple facilities from anywhere in the world.

All instrumentation and equipment monitoring is installed and wired on skid for easy integration to MCC building, including pressure, temperature, vibration, and RTD.



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

MCC BUILDINGS

At Power Service, we build our MCC buildings with convenience and efficiency in mind.



Our MCC package includes all necessary low and medium voltage components for complete operation of your new facility.

Our team of experienced electrical engineers and programmers will work closely with your team to develop the proper facility control narrative and HMI screen display.

All structural engineering as well as HVAC sizing is performed and supplied to ensure long life for your VFDs and other electrical gear.

Drive Options

We can offer individual drives, drives with sync transfer, and soft start / DOL.

HMI and PLC

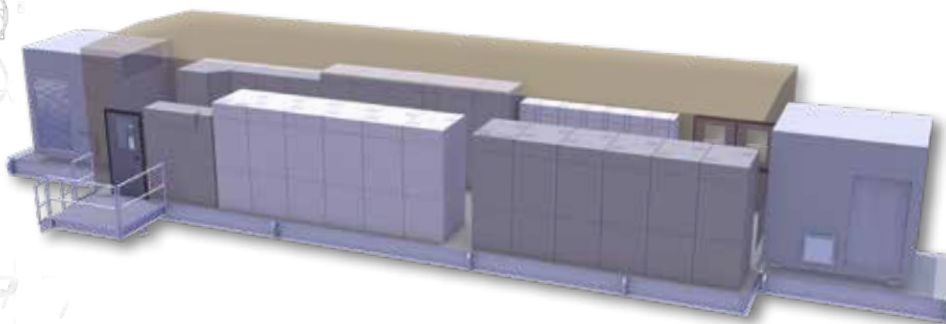
We work closely with your personnel to customize the look and feel of the HMI screens. Our extensive knowledge in control narrative and programming ensures smooth start up and single point responsibility.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.

Automation

All instrumentation from mainlines and other site equipment is easily integrated into our MCC. Provisions are included for all site-electrical including, mixers, MOVs, ACT, truck unload, lights, heat trace and more.



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

LAUNCHERS / RECEIVERS

Our launchers / receivers can be built to any specification and size. We offer all types of closures, valves, and instrumentation to meet your requirements.

Specifications and Options:

- ANSI 150—1500
- Multiple Closure Options
- Integral Valve and Pig Sig
- Fully Tested



METERING

Power Service is the largest manufacturer of LACT and meter skids. Our total-facility-packages include check or custody metering. As always, easy integration into the facility MCC provides a quick start up as well as cost savings.

Specifications and Options:

- Single and Multi-Parallel
- Flow Computers
- MOV
- Sample Systems



Bundling

With our unique ability to provide all components required in a pipeline facility, we can provide substantial bundling discounts and JIT delivery of key components, reducing unnecessary carrying costs of components and storage!

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

UTILITY AIR PACKAGE

Power Service can simplify your compressed air system installation by providing a turnkey package!



Power Service can simplify your compressed air system installation by providing a turnkey package including all necessary process piping, valves, instrumentation and electrical.

By pre-plumbing and wiring to a common junction box, your on-site installation costs are dramatically reduced. With the inclusion of receiver tanks, IC controllers and regulators, we provide you with the most complete energy efficient package available.

With multiple packaging options, we can customize your facility to any level of redundancy and stand-alone capability that you require. Whether it is an open unit with a single compressor and dryer or a multi-unit package complete with building and ventilation, we have the designs to fit your needs.

Our unsurpassed range of compression technologies ensures that you will have the right compressor and dryer combination for your utility, instrument or process air.

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

Modular Design

Our Utility Air packages feature integration that allows the unit to be operated completely unmanned in even the harshest environments.

Electrical Classifications

All of our facilities are available in either non-classified, C1D2 or C1D1 designs.

Packaging for Any Climate

From open warm weather skids, to completely enclosed cold weather packages, we have a design to meet any condition.

Compressor Options

We offer flooded rotary screw, oil-free rotary screw, oil-free rotary tooth, scroll, and piston.

Dryer Options

Power Service offers twin tower regenerative (heatless-heated-blower purge) heat of compression, refrigerated, and deliquescent.

Specifications and Options:

- Rates to 3000 SCFM +
- Pressures to 300 PSIG +
- Anodized Aluminum, Carbon Steel Piping
- Available Welded B31.3 Piping Construction
- Wind Snow and Seismic Calculations
- Lifting Plans, FEA and Torsional Calculations Available
- PE-Stamped Buildings and Structural
- Steel Frame, Panel and Fiberglass Buildings

Automation

With the ability to integrate compressor and dryer controls to any DCS or plant system, our packages offer state-of-the-art control and monitoring of multiple facilities from anywhere in the world!

Turnkey Solutions

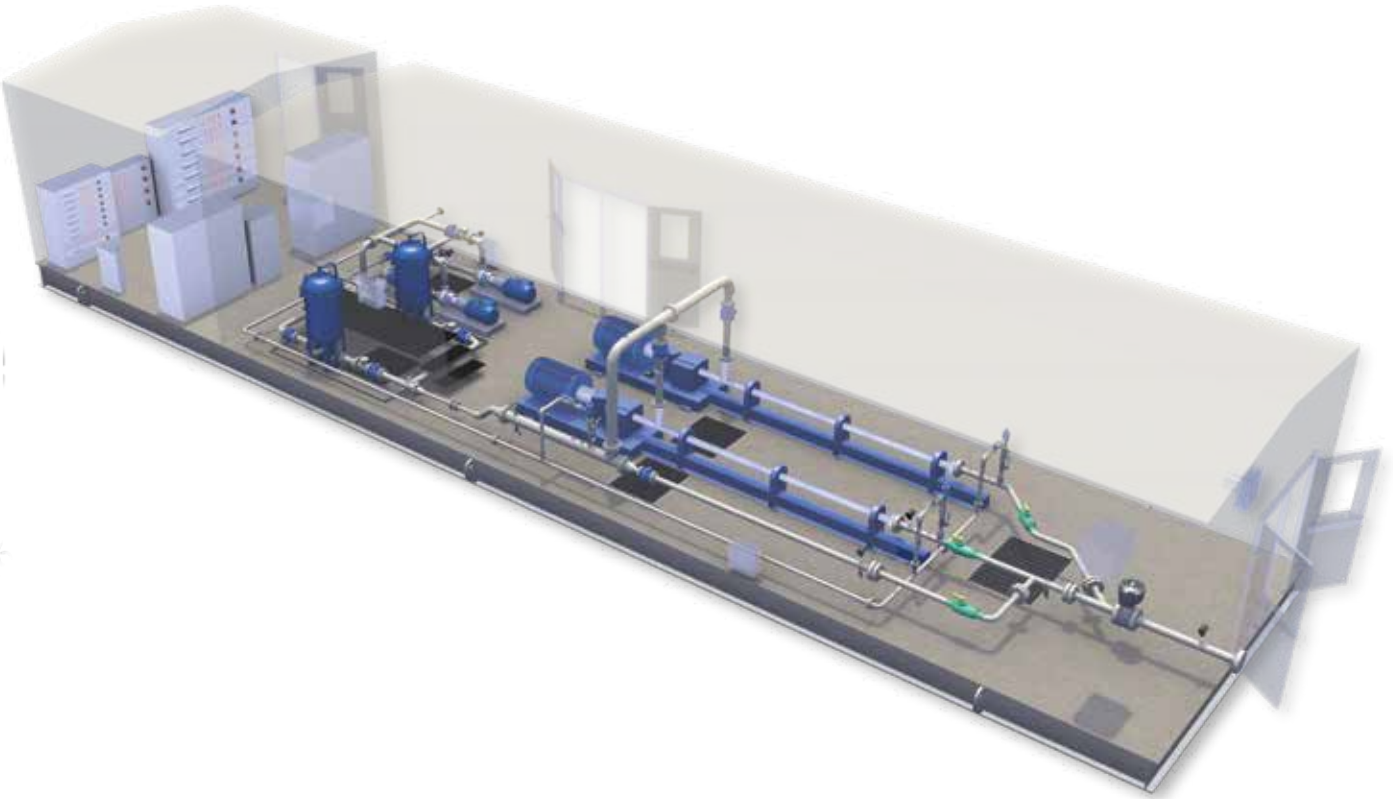
Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

WATER DISPOSAL & WATER FLOOD

For 60 years, Power Service has been the industry leader in the design, engineering and fabrication of Salt Water Disposal and Water Flood packages.



WATER DISPOSAL

Our extensive knowledge of hydraulics, as well as fabrication and automation, ensures that your facility will provide unmatched reliability. With multiple pump technologies available, we select our equipment based on the correct fit for your application.

Our engineering capabilities and experience in the fabrication of these units provides our customers with the best facilities in the industry.

With multiple packaging options, we can customize your facility to any level of redundancy and stand alone capability

that you require. Whether it is an open unit with a small reciprocating pump or a large facility featuring multiple horizontal multi-stage pumps, we have the designs to fit your needs.

Our state-of-the-art control logic gives us the unique ability to modulate the flow of your facility to meet varying conditions. This technology allows us to inject into multiple wells at varying pressures from a single injection pump. It also gives us the ability to adjust to surges in incoming rates.

At Power Service, we are building it better.

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

Modular Design

Our packages feature integration that allows the unit to be operated completely unmanned in the harshest environments possible.

Electrical Classifications

All of our facilities are available in either non-classified, C1D2 or C1D1 designs.

Packaging for Any Climate

From our standard under-skid insulation to our HVAC systems, Power Service will accommodate any ambient conditions.

Pump Options

We offer Horizontal Multi-Stage Centrifugal, Reciprocating, PC, Horizontally Split Multi-Stage and Segmental Ring.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.

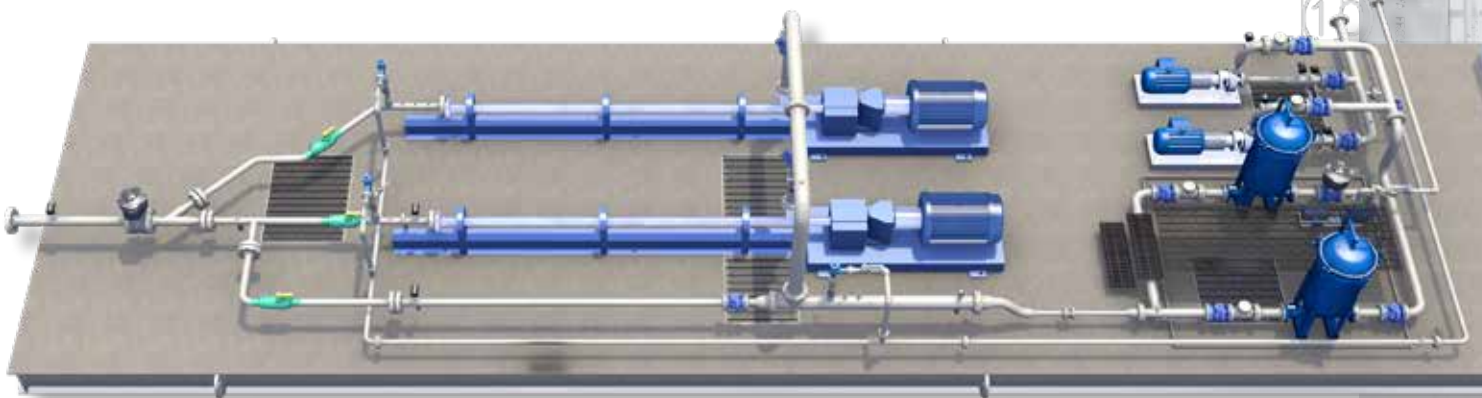
Specifications and Options:

- Injection Rates to 60,000 bbl/day +
- Pressures to 5000 PSIG +
- Standard B31.3 Piping Construction
- Lifting Plans, FEA and Torsional Calculations Available
- Mag Particle and Dye Pen Testing Available
- Wind, Snow and Seismic Calculations
- PE-Stamped Buildings and Structure
- Carbon Steel, SS, and Composite Piping
- Steel Frame, Panel and Fiberglass Buildings

Automation

With the ability to utilize any combination of PLC platforms, data collection and transmission, we can provide you with real-time monitoring and control of multiple facilities from anywhere in the world!

This allows for easy integration into existing SCADA systems to collect data and monitor the operation.



PRODUCED WATER TRANSFER

Power Service is unmatched in quality design, engineering and fabrication of Produced Water Transfer Packages.



Whether by pipeline or truck, our extensive knowledge of both hydraulics as well as fabrication and automation ensures that your facility will provide unmatched reliability. With multiple pump technologies available, we select our equipment based on the correct fit for your application.

Our engineering capabilities and experience in the fabrication of these units provide our customers with the best facilities in the industry.

As is the case with all of our skid designs, we can customize your facility to any

level of redundancy and stand-alone capability that you require. From simple pump packages to fully automated truck unloading facilities, we have a solution to fit your needs.

Our state-of-the-art control logic provides the unique ability to modulate the flow of your facility to meet varying conditions. Our experience with the design of truck facilities ensures that your system will be devoid of the traditional issues with these systems.

At Power Service, we are building it better.

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

WATER TRANSFER

Modular Design

Our packages feature integration that allows the unit to be operated completely unmanned in the harshest environments possible.

Electrical Classifications

All of our facilities are available in either non-classified, C1D2 or C1D1 designs.

Packaging for Any Climate

From our standard under-skid insulation to our HVAC systems, Power Service will accommodate any ambient conditions.

Pump Options

We offer Centrifugal Single and Multi-Stage Stacked SS, and Progressive Cavity.

Automation

With the ability to utilize any combination of PLC platforms, data collection and transmission, we can provide you with real-time monitoring and control of multiple facilities from anywhere in the world!

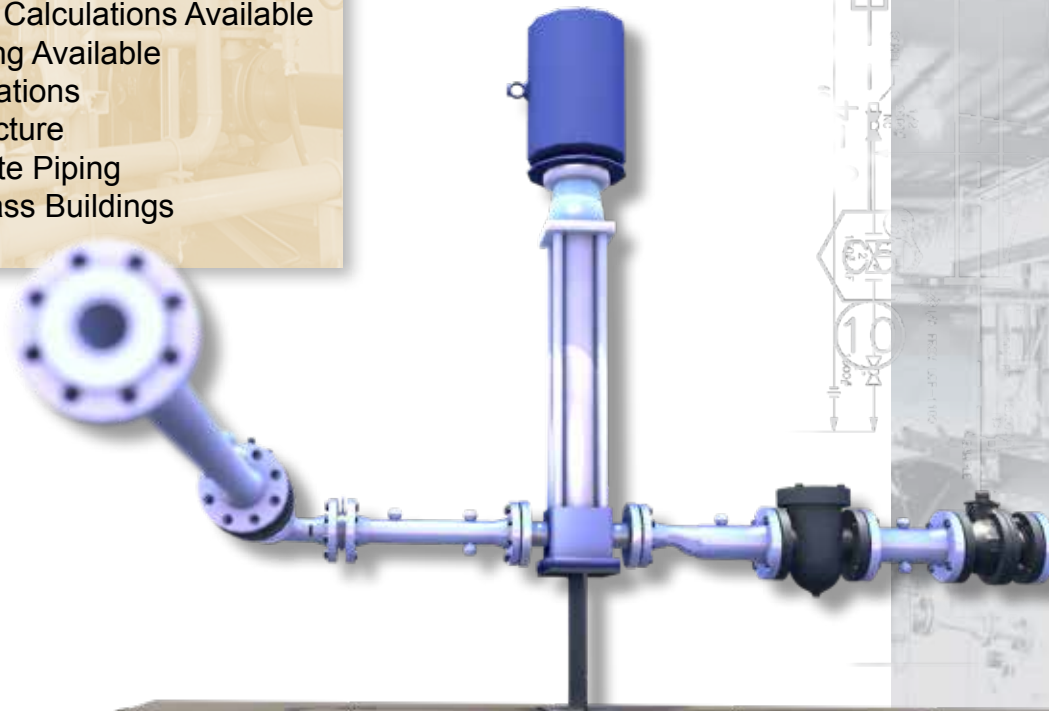
This allows for easy integration into existing SCADA systems to collect data and monitor the operation.

Turnkey Solutions

Power Service offers multiple turnkey solutions for oil and gas production, metering, transportation, and refining.

Specifications and Options:

- Flow Rates to 60,000 bbl/day +
- Pressures to 1,000 PSIG +
- Filtration
- Truck Grounding Systems
- Standard B31.3 Piping Construction
- Lifting Plans, FEA and Torsional Calculations Available
- Mag Particle and Dye Pen Testing Available
- Wind, Snow and Seismic Calculations
- PE-Stamped Buildings and Structure
- Carbon Steel, SS, and Composite Piping
- Steel Frame, Panel and Fiberglass Buildings



SOLAR PUMP

POWER SERVICE SOLAR PUMP PACKAGE

A remote-ready and environmentally friendly solar pump package



Power Service understands that customizability and flexibility are important to our customers. With this in mind, our team set out to create a self-contained Solar Pump Package. Not only does this package allow for placement where running electricity is an impossibility, but is also environmentally friendly, contributing to a lower carbon footprint.

Our Solar Package features Milton Roy's innovative *Solaroy*® Metering Pump and

Control system. These packages are turnkey and fully assembled in Class I Div. II rating.

We believe our Solar Pump Package will help you increase efficiency in remote locations as well as assist with environmentally conscious goals.

We encourage you to contact us at 800.743.4774 to learn more about how our Solar Pump Package, along with our complete line of products and packages, is the right answer for your operation!

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

Consolidation

Our Solar Pump Package allows for injection consolidation. *Milton Roy* pumps are available in multi-head configurations which allow multiple chemicals to be used with a single pump and motor configuration.

Automation

The standard Milton Roy controller allows for local meter rate and pressure adjustments including pump on/off as well as date & time on/off. We can easily integrate into existing SCADA systems to collect data and monitor the operation. Additional temperature control for methanol systems is also available.

Turnkey Solutions

Power Service offers multiple turnkey solutions with our Solar Chemical Injection Pump Packages to fit your needs.

Our Standard System Includes:

- Pump
- Solar panel with pole mount
- *Milton Roy* controller
- Charge controller
- Gel battery including aluminum battery enclosure
- 1/2" stainless-steel tubing and fittings
- Calibration column
- Tank, base and containment stand
- Cable and wires.

Milton Roy's Solaroy® Pump Includes:

- Leak free!
- Single state reduction, spur gears, integral cam designed specifically for the *Solaroy*® pump.
- Three cam sizes (Stroke Length: 0.30", 0.45", 0.60")
- Lowest power consumption in the industry
- Dual seal proven design
- No packing to adjust
- Single & dual pump heads
- 2 plunger sizes (1/4" [5,000 psig] & 3/8" [2,500 psig])
- Oil bath gear lubrication assuring long life
- Self contained (quick-change) 316 SS liquid end design
- 17-4ph stainless (standard) or ceramic plunger materials.
- Guided crosshead and seal
- 12 VDC power
- UL/CSA approvals



GAS MEASUREMENT

State-of-the-art equipment and highly qualified staff make our Gas Measurement Division an industry leader.



Power Service is dedicated to being your ONE STOP SOLUTION for rotating and process equipment. It's because of this that we began our dedicated Gas Measurement Division.

As demand for natural gas increases, it's important to have gas measurement equipment that is accurate and reliable, not to mention access to a highly trained staff offering quality fabrication and experienced service. Power Service is the leading provider for both.

With over 50 years of combined experience in our Gas Measurement Division, Power Service offers customized gas measurement skids as well as off and on-site meter run cleaning, inspection, calibration, analysis, and witnessing.

Our Gas Measurement Division uses industry-leading meters and other gas measurement products including *Daniel* meters, *SureShot*, and *Canalta* orifice fittings, and *Schneider* instrument values, to name a few.

We look forward to working with you on your next meter run project. Contact us today at 800.743.4774 for more information about our Gas Measurement Division as well as all of the services we can offer you!



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.



Power Service Gas Measurement Division Offers:

- An inside and outside sales team to assist you
- Built in-house for customers both nationally and internationally
- Experts in orifice meter runs and stations as well as ultrasonic meter run sets, gas chromatograph buildings, pipeline valve sets and regulator sets.
- Piping and skidded buildings built in-house
- Liquid measurement packages
- A fleet of support and service technicians for all our manufactured products
- A sizable stock of replacement parts and instrumentation.
- Field installations, calibrations and witnessing, to name a few
- Designing, engineering and fabrication of ultrasonic meter packages
- Meter run cleaning and recertification in the field and shop

Industry Leading Measuring Equipment

Our Gas Measurement Division builds orifice, ultrasonic, and turbine meter runs to AGA specifications. We use only the best in measurement equipment including *Daniel*, *SureShot*, *Canalta*, *Schneider* instrument valves and manifolds as well as *Kelley* orifice plates and seal rings.

Strong Field Service Capabilities

Power Service prides itself in the quality service we provide for all of our products. Our Gas Measurement Division can offer you not only in-shop service, but we are also equipped to visit your site for cleaning, inspection, installation, witnessing and analysis of meter runs.

Quality Skid Fabrication

Power Service builds its skids to the highest standards and our packages are thoroughly tested before leaving our shop. We customize the design to fit your needs. Power Service can also offer open and enclosed packages and give you the choice of either steel or fiberglass buildings.



For more information about the shop and field services our Gas Measurement Division offers, please refer to the SERVICE section of this guide.

FIBERGLASS STRUCTURES

Power Service can design and build your next quality fiberglass enclosure.



FIBERGLASS STRUCTURES

Power Service is known for its quality design of rotating and process equipment packages, which often include a custom-built fiberglass enclosure. What you may not know is that we build all of those fiberglass buildings in-house!

Power Service has teamed up with *Fiberglass Structures of the Rockies* as an exclusive contractor. This means we can tailor a design specifically to your needs even if you are only looking for the fiberglass structure.

We can design and fabricate a large variety of structures from basic dog houses to enclosures

for multi-ton skid packages. It's because of this broad-spectrum of design knowledge and our years of experience that make us a leader in fiberglass construction.

We meet, and often exceed, fiberglass building requirements and design your structure to last for years to come.

Contact us today at **800-743-4774** for more information and let us show you why Power Service is the *ONE STOP SOLUTION* for your fabrication needs!

Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.



State-of-the-Art Fabrication Facility

Fiberglass Structures of the Rockies does all of its fabrication at the Power Service headquarters, which includes over 14,000 sq.ft. of dedicated fiberglass spraying facilities.

Customization

Since all of our buildings are built in-house, we can build your enclosure to your exact specifications. We also have experienced engineers who can help you design the perfect fiberglass structure.

Features and Benefits:

- R11 & R20 insulation values are available with custom R-Value available upon request.
- Buildings mount to your skid or foundation via an integral fiberglass flange.
- We can build custom maintenance doors & removable service hatches.
- We offer options for fiberglassing wood framing and/or panels into the structures in order to hang heavy PLC's, and electrical gear.
- There is a reduction in cost and lead time vs. metal framed buildings or metal panel buildings.
- We can provide engineered calculations for *Colorado Division of Housing and Resolution 35*.
- Our buildings are corrosion proof and rodent resistant.

Cover Types We Can Offer:

- Wellhead covers with optional custom service doors, and leak detection bases
- Fiberglass boxes and custom piping covers for cold weather protection
- Various-sized buildings & shelters built to your specific needs, including:
 - Pump & Compressor Units
 - MCC Units
 - Gas Meter Runs
 - Vapor Recovery Units
 - LACT Skids
 - Salt Water Disposals
 - Salt Water Transfer Buildings
- Fiberglass nozzle templates for ASME vessel shells and heads
- Fiberglass drip & leak containment pans
- ... to name a few.



SERVICE

When vital system components are not operating at their fullest, it's important to get them up and running again quickly.

We have your back 365 / 24 / 7 for the life of your equipment!



A key element to the Power Service business model is providing quality after-the-sale service.

At each of our full-service locations we offer both field and shop repair of all major brands of rotating equipment including pumps, seals and compressors.

For the manufacturers we represent, we offer unit sales, installation/fabrication, parts, and repair service including warranty repair for the life of the equipment!

All our locations have access to printed and electronic technical manuals and we are heavily invested in our technicians' continuing education and certification. Our service technicians are factory trained and certified in the diagnosis and repair of our equipment including OEM pumps, compressors, blowers, generators, filters, seals, and more.

From hand tools to computers, our shops are ready to repair and service your complex equipment!

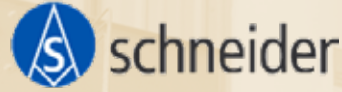
Key PSI Service Features

- 7 Full-Service Locations
- Over 40 Highly-Qualified Field and Shop Service Technicians
- 365 / 24 / 7 Access to our Service Personnel
- Mobile Equipment and Service Capabilities
- Full Field and Shop Rebuild Capabilities of Pump, Mechanical Seals, Compression Equipment, and more.
- Full-Service Crane Trucks at All Service Locations
- Commission and Start-up Support
- Diagnostic and Troubleshooting Services
- Over \$3M of On-Site Spare and OEM Parts.



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

We Are a **Full-Service Distributor*** for:



For a more complete list of the lines we carry, refer to the **DISTRIBUTION** section of this guide.

Gas Measurement Service Department

Power Service also prides itself in the industry-leading service our Gas Measurement Division can offer you. We have numerous qualified measurement technicians ready to help.

These highly-trained technicians can offer you many services for all types of measurement and communication devices including:

- Installation
- Downloading
- Calibration
- Witnessing
- Repairing, to name a few.

We also have specific service crews, trucks, and trailer for:

- Meter Run Cleaning
- Inspection
- Recertification, and more.

For more information on any of our products and services or to schedule a tour of our facilities, visit us today at **PowerServiceInc.com** or call toll-free at **1.800.743.4774!**

Portable GC Units

We are also excited to add more portable Gas-Chromatograph (GC) units that can run and print gas analysis right at the well site! This insures proper BTU ratings, and analysis can be uploaded directly to your own measurement devices.

Portable/Truck GC Unit



* Depending on your location, Power Service, DistributionNOW and its branch offices may not be authorized to directly distribute and warranty the brands listed. Contact a Power Service representative to confirm these brands and others are distributed and warranted in your area.

MACHINE SHOP

With the latest in machining technology and over 85 years of combined experience, the Power Service Machine Shop is here for all your machining needs!



The highly skilled and experienced staff at Power Service's machine shop have an unwavering commitment to quality and we continually expand our already state-of-the-art facility and systems.

Our machinists have over 85 years of combined machining experience, spanning many diverse industries. Management has been ISO 9000 trained and certified, with an extensive background in API spec(s) 7.1 and 7.2. We have also been certified as a Carbide specialist,

ensuring we can effectively machine any materials including: alloy steels, stainless steels, exotic alloys, aluminum alloys, carbide, plastics, and more.

Full Design Capabilities and Expert Staff

Power Service uses a full suite of design software allowing us to build designs completely in-house. We can reverse-engineer most product parts and assemblies allowing us to recreate vital system components. Or team of experts can also advise you on how to better your system, which may include upgrading material selection or design specifications.

We Incorporate State-of-the-Art Equipment Including:

- Hollow spindle lathes with up to 13-5/8" through-hole capacity and 120" bed length
- OD turning capacity of 36"
- 2 - 15 ton overhead hoists
- A 2015 *Mazak* 4-axis CNC mill with 80" part capacity and 30hp spindle.
- A 2015 *Chevalier* cylindrical grinder with 12"OD capacity for parts up to 60" in length

PSI Machine Shop Specialties Include:

- Drilling & directional drilling tools
- Completion & fishing tools
- Mud motor components
- Compressor, pump, and engine, parts and components
- Oil field threading
- Metal spraying
- ...and much more!



Visit us today at PowerServiceInc.com or call 800.743.4774 for more information.

REFERENCE TABLES

FORMULAS

- Head (ft.) = (psi x 2.31) / sp. gr. = (in. Hg.) / (sp. gr. x .88)
- PSI = (head (ft.) x sp. gr.) / 2.31 = (.49 x in. x Hg.)
- Velocity (ft./sec.) = (0.4085 x gpm) / [i.d. (in.) of pipe] ^ 2
- BHP (Centrifugal) = (GMP x head (ft.) x sp. gr.) / (3960 x pump eff)
- BHP Positive Displacement = (GMP X PSI) / (1715 x pump eff.)

CONVERSIONS

Weight of Water	8.34 lb./gal. or 62.37 lb./cu. ft @ 60 degrees
1 lb./sq. in.	2.31 ft. water (1.0 sp. gr.)
BPH x .7	GPM
BPD x .0292	GPM
1 BBL. (petroleum)	42 gallons (U.S.)
1 ft. water	.433 PSI
Atmospheric Press	14.7 psi or 33.9 fr. fresh water @ sea level
1 inch of mercury (Hg) vacuum	1.133 ft. water
Dynamic Suctions Lift (ft.)	Vacuum in inches of Hg. / (0.883 x sp. gr.)

API GRAVITY

The gravity/density for liquid petroleum

Degree API	Specific Gravity	Weight	
		(lb/US gal)	(kg/m3)
8	1.014	8.448	1012
9	1.007	8.388	1005
10	1.000	8.328	998
15	0.966	8.044	964
20	0.934	7.778	932
25	0.904	7.529	902
30	0.876	7.296	874
35	0.850	7.076	848
40	0.825	6.870	823
45	0.802	6.675	800
50	0.780	6.490	778
55	0.759	6.316	757
58	0.747	6.216	745



PUMP EQUIPMENT



Pump Division

Byron Jackson
Durco Process Pumps
Ingersoll-Dresser Pumps
Pacific Pumps
Pleuger Submersible Pumps
Flowserve Pumps
Sier-Bath Rotary Pumps
United Pumps
Wilson-Snyder Pumps
Worthington Pumps



Progressive Cavity Pumps



Chemical Pumps



REDA Horizontal Pumping System



Air Operated
Double-Diaphragm Pumps



Air Operated Diaphragm Pumps



RECIPROCATING PUMPS
Piston • Plunger



Industrial Peristaltic
Pumps



MARLOW PUMPS ITT
Centrifugal Self-Priming



Chemical Pumps



PRICE PUMP CO.
Centrifugal Pumps
Air Operated Diaphragm



Progressing Cavity
Pumps & Parts

FILTRATION



FILTER SPECIALISTS, INC.
Bag and Cartridge Type
Filter Vessels and
Replacement Elements



Stringwound
Polypropylene & Cotton
Elements



Inline Air & Gas
Filtration



Air Compressor, Blower and
Vacuum Pump Filters

GENERATORS



Portable • Stand-By
Recreational Vehicle
Industrial Engines

COMPRESSION EQUIPMENT



Oil-Free Z Compressors
Oil-Flooded GA & GX Rotary Screw 3 to 350hp
L-Series Reciprocating
Air Drying Equipment



RO-FLO ROTARY COMPRESSORS
Vapor Recovery • Gathering



Gas Compressors

pneumatech
Pure air . Pure gas

AIR & GAS DRYING EQUIPMENT
Twin Tower Regenerative Systems
Refrigeration Air Drying Equipment

ConservAIR®

Air Energy Conservation Systems



High Pressure Air and Gas Equipment



Power Service
Private Label
Compressor
Synthetic Lubricants

CHAMPION

Air Compressors



Air Compressors

RELATED EQUIPMENT



Mechanical Seals
Valves



Mechanical Seals



Mechanical Seals



Cartridge & Multiple Spring
Mechanical Seals

LUBRIQUIP

TRABON & MANZEL
KIPP AND MEGA
Lubricators



Couplings

VALVECON

Electric
Valve
Actuators

VIKING PUMP

Strainers



Switchgauges • Controls
Compressor & Pump Panels
Microprocessor Automation



TECO



BALDOR

MOTORS, DRIVES & GENERATORS

RELIANCE

Electric Motors



Tools & Hoists



Catalytic Heater Company
Natural Gas & LPG Heaters

CATCO



Pulsation Equipment



Pulsation Equipment

Visit us today at PowerServiceInc.com or call 1.800.743.4774 for more information or to schedule a tour.

