

BIG IDEAS

made possible by
all of the critical components we provide



CLAMPS · FILTERS · QUICK RELEASE COUPLINGS · VALVES · TEST
DIAGNOSTICS · CONNECTORS · ACCESSORIES · CUSTOM SERVICES





At STAUFF, we look beyond the problem we've already solved to consider the challenges that you face every day. How can we make your hydraulic and pipework system better? Safer? More cost effective? More reliable? How can we make your life easier with streamlined logistics, shipments that are on-time and hassle-free customer service? It all comes down to the thousands of critical components we offer and how they make a big impact on the way you operate and do business.

For more than 50 years, STAUFF has kept this commitment: developing, manufacturing and perfecting the pipe and tubing equipment essential to keep machines both big and small working and moving our customers forward.

Look to STAUFF for:

- Pipe, tube and hose clamps and supports
- Metric tube fittings
- Flanges and hose connectors
- Quick release hydraulic couplings
- Hydraulic ball valves
- Hydraulic test points and hoses
- Hydraulic pressure testers and gauges
- Hydraulic filtration elements and housings
- Hydraulic accessories and reservoir components

Our precision components keep your equipment working.

With 40,000 products in our lineup — as well as custom solution capabilities — we know the most important parts are the ones on your equipment. Our manufacturing process delivers a consistent level of quality with every product we make: one that we take great pride in. We start by using high quality materials and build to meet a variety of regulatory standards. We also utilize the latest corrosion protection manufacturing methods to ensure each component withstands nearly any end-use condition: extreme heat or cold, heavy vibrations, high-pressure use and more. It's the ultimate in value added, value engineered solutions.

While our goal is to keep your equipment working seamlessly, we know safety is equally important. With a longer service life comes less margin for error. When your equipment runs smoothly, your crews can more safely do their jobs.

STAUFF products are used and trusted for equipment across a variety of industries, including:

- Construction
- Transportation
- Agricultural
- Mining
- Oil & Gas
- Material handling
- Manufacturing



Our support keeps you moving.

Our reputation for quality components brings customers to us; our ability to streamline a customer's procurement needs often keeps them coming back. We can work with you to deliver the system you require, so that a single phone call gets you what you need, built to your exact specifications. This comprehensive solution often means lower costs across the board: from initial transaction to maintenance to replacement. It also simplifies reordering and delivery for less downtime and vendor tracking — optimizing your time and limited resources.

- Shifts all responsibility to a single manufacturer
- Reduces the number of vendors you need to keep track of
- Customized solutions for reduced assembly times
- In-stock availability of common items
- Global availability in all industrial regions
- VMI, JIT and Kanban ready

Working together, we make your hydraulic system better.

We know the importance of treating our customers like family, because we are one. Our roots date back to Germany, yet today we serve a global market. We offer wholly owned manufacturing, sales and service facilities in 18 countries and a tight global network of authorized distribution partners. We're still family-owned, and our foundation of trust, sincerity and respect drive us to invest significant capital in research and development. When you work with STAUFF, you'll get a local point of contact backed by global access to consistent product.

Our service commitment to you:

- To provide fast turnaround time on all orders for standard products
- To employ competent product support staff
- To provide in-house manufacturing capabilities to meet users' custom requirements
- To provide well trained sales engineering personnel for local product and application advice
- To be customer-oriented with excellent warranty and business policies
- To introduce new products on a consistent basis to meet customer demand
- We do it all so we can be a valuable partner to our customers: one that is easy to do business with

CONTRIBUTING TO YOUR SUCCESS

When you work with STAUFF, you'll get a local point of contact backed by global access to consistent product.

CLAMPS

Clamping Systems for Pipes, Tubes, Hoses & Cables



Standard Series Clamps (DIN 3015-1)*

For diameters up to 4" (102mm) for normal industrial applications



Twin Series Clamps (DIN 3015-1)*

For diameters up to 1.7" (42mm) for mounting two parallel lines



Heavy Series Clamps (DIN 3015-1)*

For diameters up to 18" (450mm) in heavy duty applications.

*Mount on single or multiple weld bases or rail mount for additional flexibility during installation. Can also be stacked for multiple lines. Polypropylene (215F), Polyamid (350F) and Aluminum (750F) standard and heavy series on clamp bodies are available from stock. Other materials available for special applications such as public transportation and underground use metal parts are available in Carbon or Stainless Steel (304 & 316). Supplied with metric or UNC threads.



Anti-Corrosion Technology (ACT) Clamps

Reduce crevice corrosion on tubing exposed to saltwater

ACT CLAMP
antiCorrosiontechnology



Lightweight Series Clamps

- For diameters up to 1.25" (32mm)
- Single or double versions
- Compact design is ideal for securing air, lubrication and water lines or conduits and cables



Advanced Mounting Technology

- Innovation for when welding is not possible
- STAUFF Bond-Adhesive Bonded Fastening
 - STAUFF Weld Gun Stud Welding System



Custom Designed OEM Clamping Solutions

CNC machined and molded clamps can be designed and manufactured to customer specifications for OEM applications



Noise and Vibration Reducing Clamps (NRC)

For use wherever reduced noise and vibration is required such as on cruise ships and luxury yachts



TEST

Quick Access Pressure Test Systems



Quick Access Pressure Test System

- Connect by hand at pressures up to 5,800 PSI
- Instant access to hydraulic systems under pressure for diagnostic testing venting or sampling without tools using microbore hose or gauge adaptors.



Test 10-Plug In Connection

- Available in ball check style only
- Max working pressure 5,800 PSI (400 bar)
- Connect under pressure
- Available in steel (zinc-nickel plated C6F CrVi free)
- Compact design ideal where space is limited



Test Points

Test Points are available for NPT, JIC, ORF-S, UNF, BSP and metric ports.

Test 20-Connection thread M16x2

Test 15-Connection thread M16x1.5

Test 12-Connection thread S12.65x1.5

- Available in ball check or piston valve style
- Max working pressure 9,000 PSI (630 bar)
- Connect under pressure
- Available in Steel (zinc-nickel plated C6F CrVi free) or Stainless Steel



Adaptors

- Gauge Adaptors to quickly connect a gauge to STAUFF Test Point
- Weld Adaptors
- Sampling Hose Adaptor



Micro-Bore Hose

- Available in nominal bores of 2mm or 4mm
- Standard or customer specified lengths
- Wide variety of end connections available

FILTERS

Oil Filtration for Mobile & Industrial Hydraulic Systems



High and Medium Pressure Filters SF, SIF Series

- Flow rates to 300 GPM
- NPT, SAE, metric & BSP threaded or SAE flanged connections
- Pressure ratings to 6,000 PSI
- β 200 rated elements
- Bypass, reverse flow, non-return and multi-function valve options for maximum design flexibility



Offline/Bypass Filtration

For the constant removal of contamination from hydraulic and lubrication systems. 0.5 micron element standard.



Spin On Filters

- Suction and return applications
- Flows to 120 GPM pressure 200 PSI
- High pressure version available to 40 GPM
- Beta rated and nominal interchange elements available
- Popular european interchange elements are also available
- Private label filter elements

4PRO



Replacement Elements

Quality replacement elements for the most popular brands including:

- High performance β 200 high capacity media
- Custom elements manufactured to customer specifications
- Over 10,000 elements listed at filterinterchange.com



Return Line Filters RF, RFB & RTF Series

- Flow rates to 130 GPM
- Pressure ratings to 235 PSI
- β 200 rated elements



Mobile Filter Carts

Rugged construction with flow rates to 10GPM available with integrated particle counter

DIAGTRONICS

Monitoring & Analysis of Hydraulic Systems



Pressure Gauges

- Analog and digital gauges
- Pressure test kits



PT-RF

- Wireless pressure measurement
- RFID sensors require no battery
- Reader can store 15,000 measurements from different sensors
- Monitor accumulator pressure without pressure loss



Hydraulic Testers PPC04/06/08

- Digital testing for working pressure, peak pressure, differential pressure, temperature, flow rate and rotational speed.
- Available with up to 6 sensor interfaces; automatic recognition of sensors
- Internal data storage capacity for up to 250,000 data points
- Permanent recording of MIN/MAX values



Oil Analysis Equipment

Laspac Particle Counter

- Portable, mobile & inline particle counters for fluid contamination analysis
- Bottle sample for testing previously sampled media
- Oil sampling kits for fluid analysis

- 8 channels & internal storage for 4,000 data points
- Optional water in oil/temperature sensor
- PC interface available
- ATEX version available



OCS Oil Condition Sensor

- Continuously monitors oil condition
- Real time display of oil aging



LPM II Particle Monitor

- For permanent Installation

PPC-Pad

- Portable multi-function hand-held measuring instrument pressure, temperature, flow and speed can be measured, monitored and analyzed
- Measurement and display of over 50 channels



QUICK RELEASE COUPLINGS



Flat Face Couplings

ISO 16028
FF/FH series 1/4" - 2"
3,625 - 5,800 PSI

FU Series 3/8" - 1"
Connect under pressure
5,075 PSI



Flat Face Couplings

FT series
Screw-to-connect

BOP certified couplings
5,800 - 7,975 PSI



Flat Face Couplings

HM series
Screw-to-connect

1/2" - 1 1/2"
2,465 - 3,045 PSI



Poppet Style Couplings

ISO 7241-1 series A
IA series 1/4" - 2"
2,320 - 5,075 PSI
HP series 1/4" - 1"

Push/pull female coupling
3,625 PSI
UX series
Connect under pressure



Flat Face Couplings

RH/RK series
Screw-to-connect

5,075 - 6,090 PSI



Stainless Steel Couplings

FH-VA/IA-VA/
IB-VA series
ISO 16028, ISO 7241 A & B

1/4" - 2"
1,305 - 5,800 PSI



Poppet Style Couplings

ISO 7241-1 series B
IB series 1/8" - 2"

1,450 - 7,250 PSI



Poppet Style Couplings

ISO 14541
HS series

Screw-to-connect
4,350 - 6,525 PSI



Poppet/Ball Style Couplings

ID/IS series
ISO 5675

1/4" - 1"
3,600-5,800 PSI

CONNECTORS

Metric Tube Couplings & Assemble Machines • Hose Ends



Metric Tube Fittings

Carbon and stainless steel for tubes with outer diameters ranging from 4 to 42 mm in accordance with ISO 8434-1/ DIN 2353: zinc/nickel plating for excellent corrosion resistance-1200 hours resistance to rust in salt spray testing

- 24° cutting ring fittings
- 24° taper fittings with O-Ring
- 24° weld cones with O-Ring
- 37° flared tube fittings

STAUFF Form

- Patented tube forming system
- Soft seal using standard components



Tube Fitting Assembly Machines

Can be used for both pre-assembly and final assembly of tube fittings



STAUFF Form Tube Forming Machine

Designed for the economical and reliable production of tube ends with a formed contour for the STAUFF form tube forming system.



Flanges

- 3,000 PSI and 6,000 PSI, SAE split flanges, blanking Flanges and SAE sandwich plates
- SAE flange adapters
- SAE blocks

Gear Pump Flanges

- Gear pump flanges with 24° cone connector
- Straight & angled gear pump flanges with BSPP thread



Portable Cutting Ring Assembly Machine

- Battery operated, ergonomically designed and lightweight
- For hand held, tripod or bench operation
- Short setup and tool change
- For diameters from 6mm - 42mm



STAUFF Hose Connectors

- The ECOVOS system of hose connectors enables crimping of many different hose types
- Featuring zinc/nickel plating for increased corrosion protection

VALVES

High Pressure • Medium Pressure • Low Pressure



High Pressure 2 Way Shut Off Valves 1/8"-2"

- NPT, BSP, metric or SAE pressure ratings 4,500 - 12,000 PSI
- Carbon Steel construction, Stainless Steel and other material combinations available



Multi-Way Ball Valves

- High pressure block body design
- 3 or 4 way selector valve
- L,T or X bore styles
- 1/4" - 1 1/2" NPT or SAE
- Compact style diverter valve
- 1/8" - 2" NPT or SAE up to 7,250 PSI



Medium Pressure Valves

- 2 way valves in Carbon Steel from 1/4"-2" in NPT
- Pressure rating 2000 PSI



Low Pressure Valves

- 2 way valves, sizes 1/4" - 4" NPT
- 1" - 4" SAE valves with a wide range of SAE adaptors available
- 600 PSI WOG
- Hot stamped brass body
- Teflon seats with buna O-Rings



Block Body Manifold Valves

- 2 and 3 way valve for direct manifold mounting
- Pressure range to 7,250 PSI



SAE Flange Valves Block Body and Forged Body

- 1/2" - 2"
- Code 61/62 3000/6000 PSI
- Flange kits available
- Stainless Steel and other material combinations available



Direct Mount SAE and ISO Flange Valves Block Body

- 1/2" - 5"
- 3000/6000 PSI (depending on connector)
- Flange kits available



Flow Control Needle and Check Valve

- High pressure 5000 PSI and medium pressure 3,000 PSI series
- Sizes to 2"
- NPT, SAE or BSP gauge isolator valves
- Effective protection of pressure gauge



Specialty Valves

- High temperature valves
- ball valves for gas applications
- 12,000 PSI ball valves
- Ball valves with fire safe approvals
- SSBV ball valves for safe maintenance



Valve Accessories

- Locking kits
- Limit/proximity switches
- Pneumatic actuator packages

ACCESSORIES

Hydraulic Reservoir Accessories • Accumulators



Fluid Level & Temperature Gauges

- 3", 5" and 10" bolt centers. Special options include low level electrical indicator switch, temperature switches or dial thermometer
- Sight glasses in metal/plastic NPT and SAE level temperature switches
- Tank top installation
- 12", 18" or custom length
- Can contain up to three level and temperature switches



Suction Strainers

- Sizes 3/4" - 3" NPT/SAE or with hose barb
- Plastic or steel endcaps
- 3 PSI bypass version available
- Custom sizes available



Desiccant Air Breathers

- Combines air breather and water removal filter



Motor Pump Adaptors

- Lightweight aluminum casting for vertical and horizontal mounts
- Suitable for all SAE pump mounts



Reservoir End Covers

- Available in diameters 6" - 18"
- Models 10" to 18" available with 3/4" NPT drain
- One piece double lipped seal included



Filler Breather Caps

- Pressurized or non-pressurized
- Plastic or steel versions
- Bayonet and screw in styles
- 3, 10, and 40 micron options
- Dipstick and lockout kits



Accumulators

- Bladder Accumulators
- Capacities from 1Q to 15 gallons
- 3,000/5,000 PSI
- ASME specification
- Top/bottom repairable



Diaphragm Style Accumulators

- 0.08 Q to 3 Q
- Mounting brackets bladder kits & charging kits available

CUSTOM SERVICES

Custom & Special Services: VAVE

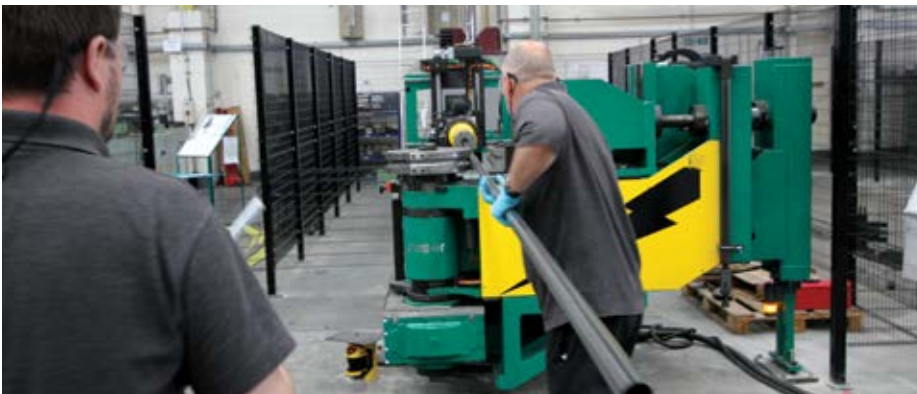
Products are just the beginning of the value we can add to your operations. We also offer engineering insight for maximizing the life, efficiency and overall productivity of your equipment. Our team will come to you, work beside you and offer component ideas that deliver value added benefits. You can focus on the big picture; we'll look at the details. Whether it's an existing machine or concept on the drawing board: we can design more value into how it operates.

Custom Formed Tubing Assemblies for OEM Applications

Working together with OEM procurement and engineering personnel STAUFF can assist with the design and production of Metric Tubing assemblies pre-bent, cleaned and complete with Metric end connections if required.

Our computerized scanning equipment is integrated with our state-of-the-art electric CNC tube bending machines to ensure accuracy and repeatability.

Tubing Assemblies can be combined with other STAUFF or Third party components replacing a large number of individual components with a few pre-fabricated sub assemblies, resulting in significantly reduced purchasing cost, assembly time and material inventory requirements for manufacturers.



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