



Local Solutions For Individual Customers Worldwide

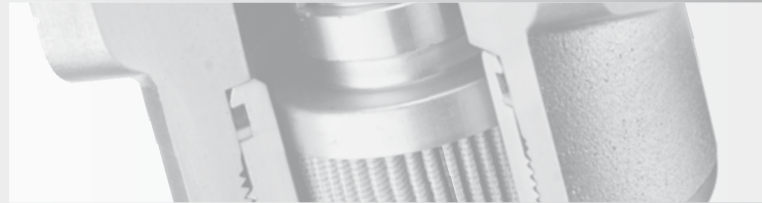
STAUFF Clamps



STAUFF Test



Filtration Technology



Diagtronics



Hydraulic Accessories



Valves



Flanges



Fluid Technology Components
for Agricultural and Forestry Machinery
Product Overview

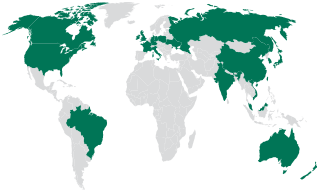
Fluid Technology Components for Agricultural and Forestry Machinery

Originating and located in Werdohl in the German Sauerland region, we have become an internationally leading developer, manufacturer and supplier of pipework equipment and hydraulic components under the brand name STAUFF.

Decades of experience, highly-motivated and qualified staff, state-of-the-art manufacturing technologies and a foresighted management give us the reputation of being a competitive partner.

Our in-house laboratories carry out constant tests in line with international standards on all products. Certified in accordance with ISO 9001:2008 (Quality), ISO 14001:2004 (Environmental Protection) and OHSAS 18001:2007 (Occupational Health and Safety), our management system continually strives for perfection. Many of our products have been successfully tested and approved by several international organisations and institutes.

Our well-stocked warehouses and flexible production lines ensure prompt reactions and short delivery times.



Represented by a tight network of distributors and wholly-owned manufacturing facilities, distribution bases and warehouses in 18 countries worldwide, we are close to you.

Our subsidiaries also supply additional retail products related to the fluid power industry, thereby offering a near-complete range of industry-specific key products.

Local Solutions For Individual Customers Worldwide.



The STAUFF companies worldwide have many years experience in serving for Agricultural and Forestry Machinery manufacturers with a comprehensive range of fluid technology components, some of which have been exclusively developed according to individual requirements in these markets.

The STAUFF product range includes:

STAUFF Clamps

Clamping systems for pipes, tubes, hoses, cables and other components; Custom-designed special clamps according to customers' requirements or based on STAUFF developments

STAUFF Test

Hydraulic test points and hoses providing leak-free connections for monitoring system pressure on suction, pressure or return fluid power systems; Including venting and sampling

Filtration Technology

Filter systems for hydraulic system design and development for complete contamination control & protection of equipment and implements; Supported by a full range of replacement filter elements

Diagnostics

Analog / digital components for monitoring the condition of hydraulic fluids (pressure, temperature, flow rate, rotational speed, fluid level); Contamination control for system reliability

Hydraulic Accessories

Components for the construction of hydraulic reservoirs and power units for the mobile agricultural and forestry equipment sectors

Valves

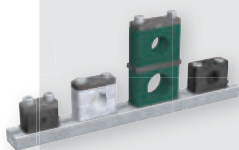
Control valves for fluid power systems; Two-way and multi-way shut-off and flow control valves for the mobile agricultural and forestry equipment sectors

Flanges

Complete range of SAE flanges and gear pump flanges



Pipework Equipment and Hydraulic Components for Agricultural and Forestry Machinery



STAUFF Pipe, Tube and Hose Clamps according to DIN 3015

Most economical solution available for quick and easy pipe, tube and hose installation
Environmental protection due to vibration-damping and noise-reducing features

- Available in Standard, Heavy and Twin Series – manufactured according to DIN 3015
- Suitable for most common metric and imperial diameters between 6 mm and 450 mm
- Single or multi-level (stacking) installation on weld plates or channel / mounting rails
- Clamp bodies made from various thermoplastics, thermoplastic elastomers or aluminium – shock-absorbing and noise-reducing elastomer inserts available
- Mounting hardware available ex stock in steel and several stainless steel qualities
- Zinc/Nickel coating of steel parts guarantees optimal corrosion protection
- Excellent UV, weathering and chemical resistance – even under extreme conditions



Light Series Clamps Type LBBU

Compact and light-weight alternative for applications with limited space
Environmental protection due to vibration-reducing and noise-reducing features

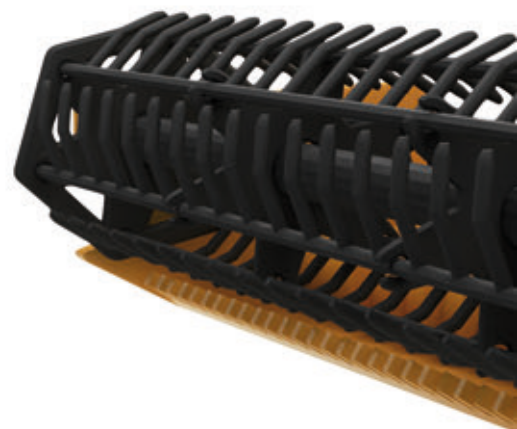
- Available as single-line and double-line version, also for two different outside diameters
- Suitable for most common metric and imperial diameters between 4 mm and 32 mm
- Advanced design with a film hinge to allow the top part of the clamp body to open up and easily insert or replace the pipe, tube, hose or cable without the use of force
- Integral metal sleeve to ensure stability of the clamp assembly
- Optional anti-twist feature to prevent turning of individual components
- Clamp bodies made from thermoplastic elastomer material
- Mounting hardware available ex stock in steel and several stainless steel qualities
- Zinc/Nickel coating of steel parts guarantees optimal corrosion protection
- Excellent UV, weathering and chemical resistance – even under extreme conditions



Custom-Designed Clamps

Custom-designed clamping systems for pipes, tubes, hoses, cables and other components according to customer's requirements or based on STAUFF developments

- Available as machined versions or injection-moulded versions ("Flexi Clamps")
- Clamp bodies made from various thermoplastics, thermoplastic elastomers or metals – shock-absorbing and noise-reducing elastomer inserts available
- Optional accessories such as rubber inserts as well as weld plates, cover plates, bolts manufactured from steel or several stainless steel qualities



STAUFF Zinc/Nickel Coating

Setting standards by providing optimum protection against red rust / base metal corrosion – also after handling and installation

- More than 720 hours resistance against red rust / base metal corrosion in the salt spray test to DIN EN ISO 9227
- Many times higher degree of corrosion resistance compared to Zinc based coatings (previous STAUFF standard)
- Free of hexavalent chromium Cr(VI)
- Proven standard of the European Automotive industry for many years
- Compliant with the ELV directive (End of Life Vehicles Directive) according to 2000/53/EC and the RoHS directive (Restrictions of the Use of Hazardous Substances) according to 2002/95/EC





SAE Flanges

3000 / 6000 PSI series according to ISO 6162-1/2 and SAE J 518 C up to DN 127 / 5 inch

Safe and leak-free alternative to regular tube connectors, available in Steel and Stainless steel

Continuous pressure level of 400 bar / 5800 PSI up to DN 51 / 2 inch



Gear Pump Flanges

Wide range of different variations, divided into various types, such as a straight or 90° design

Three-hole or four-hole fastening manufactured according to German and Italian connection standards

Flow Control Valves

Throttle and shut-off valves for liquid media, available in Steel and Stainless Steel
Suitable for in-line, manifold or cartridge assembly
Medium-duty and heavy-duty check valves



High-Pressure Ball Valves

Two-way and multi-way ball shut-off valves for working pressures up to 800 bar / 12000 PSI

Block, forged or round body design, available in Steel and Stainless Steel

Threaded or flanged connections up to DN 125 / 5 inch



Service, Maintenance and Retrofit Equipment for Agricultural and Forestry Machinery

Test Points / Hoses

Leak-free connections to fluid power systems for monitoring system pressure on the suction, pressure or return side

Used at full pressure without machine downtime

Venting of fluid power systems

Obtaining representative fluid samples

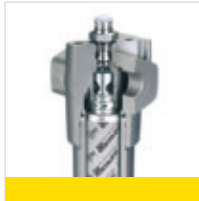


Pressure Filters

Medium and high-pressure filters designed for in-line and manifold mounting

Suitable for working pressures up to 420 bar / 6000 PSI

Suitable for nominal flow rates up to 1135 l/min / 300 US GPM

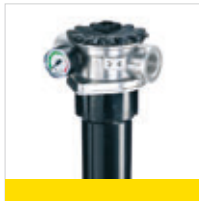


Return-Line Filters

Low-pressure return-line filters designed for in-line, tank-top and tank-inside mounting

Suitable for working pressures up to 25 bar / 365 PSI

Suitable for nominal flow rates up to 1135 l/min / 300 US GPM



Spin-On Filter Housings

Low-pressure return-line or suction-line filters designed for in-line mounting

Suitable for working pressures up to 14 bar / 200 PSI

Suitable for nominal flow rates up to 460 l/min / 120 US GPM



Tank Filler Breathers

Filler ports allowing the hydraulic reservoir to breathe while protecting it from contamination

Metal and plastic versions available

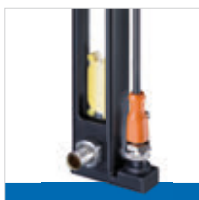
Comprehensive range of accessories including baskets, dipsticks and mounting adaptors



Level Gauges

Visual / visual-electrical fluid level indication, also in conjunction with temperature sensors

Special designs and sizes up to nominal lengths of 950 mm / 37.40 inch according to customer's requirements



Analog and Digital Pressure Gauges

- Monitoring and ensuring the functioning of fluid power systems
- Panel / stem mount gauges with various connection types available
- Scales range from -1 ... 1000 bar / -14,5 ... 14500 PSI
- For permanent installation or to be used as portable devices
- Also available as part of pressure test kits including accessories



Laser Particle Counters and Monitors

- Crucial part of any contamination control program
- Determining the ISO cleanliness level of hydraulic media
- Suitable for phosphate ester and specific water-glycol fluids
- For permanent installation or to be used as portable devices
- Sampling units and moisture/temperature sensors available



Hand-Held Hydraulic Testers

- Monitoring all relevant parameters in fluid power systems, including pressure, differential pressure, temperature, flow etc.
- Measuring and display of over 50 channels at the same time
- Integrated data storage for up to 1 billion measured values
- Remote monitoring and analysis using LAN and USB interfaces



Reversible Flow Testers

- Rapid and accurate monitoring of mobile hydraulic systems
- Simultaneous measurement the most relevant parameters in fluid power systems, such as pressure, temperature and flow
- Suitable for max. working pressures up to 420 bar / 6000 PSI
- Suitable for nominal flow rates up to 200 l/min / 53 US GPM



Mobile Filter Systems

- Compact and versatile units designed for long-lasting use
- Supporting the preventive maintenance of fluid power systems, thus reducing machine downtime and saving operating costs
- Suitable for nominal flow rates up to 110 l/min / 30 US GPM
- Can also be used as offline filters and oil transfer units



Bypass and Offline Filters

- Supporting the preventive maintenance of fluid power systems, thus reducing machine downtimes and saving operating cost
- Bypass filters without integrated motor-pump units
- Offline filters with integrated motor-pump units
- Pre-heated and water-absorbing versions available



Desiccant Air Breathers

- Air entering the reservoir / gearbox is filtered and dehumidified
- Preventing fluid oxidation, thus reducing machine downtime and costs
- Easy to retrofit on top of hydraulic reservoirs and gearboxes
- Drying agent gradually changes colour with increasing moisture
- No toxic or dangerous substances according to latest EC directives



Private Label *



Replacement Filter Elements

- Comprehensive range of replacement filter elements for hydraulic and lubrication applications covering almost every major international filter brand
- Direct replacements for most OEM filter elements
- For pressure, suction-line and return-line applications

* Private labelling and packaging of filter elements available on request.