

# Industrial Hose and Hydraulics Division



Following a considerable investment, we are delighted to promote our recently opened (2019) purpose built, Hose and Hydraulics workshop, stores and dedicated trade counter, staffed by industry experts.



Our in-house facilities are probably unique to the North East of England and include:

- Swaging equipment with a capability of swaging up to 8"/203mm bore industrial hose with a hydraulically lifting head allowing for quick swaging of complex assemblies including those with fitted swept elbows.
- Hydrostatic Pressure Testing up to 23,000PSI on a multiple 16 head custom designed and built test rig with a capacity of testing up to 80 hose assemblies at once in a fully enclosed safe test room.
- Traceable Hose Assembly software system with tagging of **every** assembly we manufacture or test with the benefit of bespoke hose management.
- Timely quotes, manufacture, testing, collection and delivery
- Printed graph test certificates with tests performed over five recorded minutes, PDF versions also available
- Extensive stocks of hydraulics, hoses, adaptors, QR couplings and ancillary products
- On-site inspections, surveys and audits
- Two portable test rigs, one with an on-site printer for immediate issue of test certificates reducing downtime
- Our test facilities have a low environmental impact as contaminated water is transferred into IBC's with the contents being disposed of by our waste partner Augean
- Stocks of pressure gauges, in-house calibration machine and dead weight tester
- Stainless steel metallic assemblies available through our partners all manufactured by coded welders



## Rubber Hose

A comprehensive range of industrial rubber hoses for a variety of applications, environments and media.

### Air

- ▶ Bore size: 5mm to 102mm
- ▶ Working pressure: up to 69bar
- ▶ Temp range: -20C to +135C
- ▶ Standards: BS EN ISO 2398: 2008

### Water

- ▶ Bore size: 5mm to 300mm
- ▶ Working pressure: up to 20bar. Vacuum 0.9bar
- ▶ Temp range: -20C to +120C

### Steam

- ▶ Bore size: 12mm to 76mm
- ▶ Working pressure: up to 18bar
- ▶ Temp range: -40C to +232C
- ▶ Standards: BS 5122: 1986, BS 5342: 1985, BS EN ISO 6134: 2005

### Oil, LPG

- ▶ Bore size: 6mm to 300mm
- ▶ Working pressure: up to 20bar. Vacuum 0.9bar
- ▶ Temp range: -40C to +100C
- ▶ Standards: EN 1762: 2003, BS EN ISO 1825: 2011, BS EN 12115: 1997, EN ISO 1761: 1999

### Chemical, Multi-Purpose

- ▶ Bore size: 6mm to 300mm
- ▶ Working pressure: up to 16bar. Vacuum 0.9bar
- ▶ Temp range: -40C to +100C
- ▶ Standards: BS EN 12115: 1997

### Food and Beverage, Silicone

- ▶ Bore size: 12mm to 102mm
- ▶ Working pressure: up to 16bar. Vacuum 0.9bar
- ▶ Temp range: -60C to +180C
- ▶ Standards: FDA, European Pharmacopoeia, BgW & USP
- ▶ Compounds free from phthalates and animal derivatives

## Spiral PVC Hose

A range of high quality, spirally reinforced PVC hoses, some with polyurethane which are suited to transferring a variety of media, whether liquid or large or small particulates, within industries serving the non-food or food sectors.

### Water, Slurries & Abrasive Media

- ▶ Bore size: 19mm to 304mm
- ▶ Working pressure: 1.5bar to 7bar. Vacuum 0.9bar
- ▶ Temperature range: -40C to +60C

### Oil

- ▶ Bore size: 25mm to 152mm
- ▶ Working pressure: 1.5bar to 6bar. Vacuum 0.7bar
- ▶ Temperature range: -20C to +60C

### Food

- ▶ Bore size: 19mm to 200mm
- ▶ Working pressure: 2bar to 8bar. Vacuum 0.5bar to 0.7bar
- ▶ Temperature range: -5C to +60C

## Composite Hose

Composite hose for handling a range of media whether on road or rail tankers, ship to shore or general duty on plants.

### Oil

- ▶ Bore size: 19mm to 250mm
- ▶ Working pressure: up to 15bar. Vacuum 0.9bar
- ▶ Temperature range: -40C to +100C

### Chemical

- ▶ Bore size: 19mm to 250mm
- ▶ Working pressure: up to 15bar. Vacuum 0.9bar
- ▶ Temperature range: -40C to +100C

### PTFE Lined Chemical

- ▶ Bore size: 19mm to 250mm
- ▶ Working pressure: up to 15bar. Vacuum 0.9bar
- ▶ Temperature range: -40C to +100C

### Cryogenic – Liquefied Natural Gas (LNG)

- ▶ Bore size: 19mm to 250mm
- ▶ Working pressure: up to 13bar. Vacuum 0.9bar
- ▶ Temperature range: -175C to +80C

### Cryogenic – Liquefied Petroleum Gas (LPG)

- ▶ Bore size: 19mm to 250mm
- ▶ Working pressure: up to 25bar. Vacuum 0.9bar
- ▶ Temperature range: -50C to +80C

Composite assemblies are electrically resistant to <10 ohms to BS5842: 1980 clause 6.2 (EN ISO 8031)

Specification of Approval Standards:

BS EN 13765: 2010, EN 13766: 2003 Type 1 & 2, Class A & B, IMO Chemical Carrier Code, American Coastguard Regulation, DNV, RINA

## Hydraulic Hose

- ▶ Bore size: 6.7mm to 51.3mm (1/4" to 2")
- ▶ Working pressure: up to 350bar
- ▶ Temperature range: -40C to 121C
- ▶ Standards: SAE

## Hygienic Hose

- ▶ Bore size: 19mm to 102mm
- ▶ Working pressure: up to 10bar
- ▶ Temperature range: -35C to 80C
- ▶ Standards: FDA compliant

Suitable according to Regulation CE1935/2004 and Regulation UE 10/2011 for contact with food stuff.

# Industrial Hose and Hydraulics Division - Hose Range

## Hose Fittings

A comprehensive range of fittings of all types to suit all industries.

- ▶ Air & Water
- ▶ Cam & Groove
- ▶ Crimp & Swaged
- ▶ Fittings & Adapters
- ▶ Hose Couplings & Clamps
- ▶ Hygienic Valves & Fittings
- ▶ Petroleum, Dry Bulk & Overfill Protection products
- ▶ Quick Release (QR) Couplings
- ▶ Steam Couplings & Clamps
- ▶ Swivel Joints

## Hose Assembly Range

### Stainless Steel Metallic Hose Assemblies

A range of versatile, robustly constructed hose manufactured to BS EN ISO 10389: 21012 Class 1. Ideally suited to dynamic, vibrating or static duties under pressure or vacuum, for conveying liquids or gases.

- ▶ Bore size 6mm to 300mm
- ▶ Working pressure up to 100bar
- ▶ High pressure options available
- ▶ Temperature range of 200C to 650C
- ▶ Standards – EN ISO 10380

### Industries

- ▶ Air Conditioning
- ▶ Cryogenics
- ▶ Food processing
- ▶ Instrumentation
- ▶ Nuclear
- ▶ Offshore
- ▶ Petrochemical
- ▶ Power generation
- ▶ Steel production and processing
- ▶ Vacuum technology

### Construction/Materials

- ▶ Hose x Braid: AISI 321 x AISI 304  
AISI 316L x AISI 304  
AISI 316L x AISI 316L
- ▶ Convuluted core only
- ▶ Single, Double and Triple Braid
- ▶ HP High Pressure
- ▶ THP High Pressure
- ▶ A range of standards and close pitch (superior flexibility) constrictions

Protective accessories available to improve resistance to abrasion, heat, corrosion, operator handling etc.

- ▶ Bore sizes: 6mm to 300mm
- ▶ Working Pressure: 5bar to 293bar
- ▶ Temperature Range: -273C to +650C

### Assemblies available with a full range of options including:

- ▶ Threaded
- ▶ Flanged
- ▶ Cam & Groove fittings
- ▶ Bespoke Special End Connections
- ▶ Radiograph
- ▶ NDT
- ▶ Dyepen
- ▶ Full Material & Test Certification available
- ▶ Welder Certifications to EN & ASME Standards, Manufactured by Coded Welders



### PTFE Assemblies

Extensive range of smooth bore and flexible convoluted hose assemblies.

### Industries

- ▶ Pharmaceuticals
- ▶ Biotech
- ▶ Food Processing
- ▶ Chemical
- ▶ Petroleum
- ▶ Cosmetic
- ▶ Automotive
- ▶ Offshore

### Construction/Materials

- ▶ FDA Approved virgin white and black antistatic PTFE

### Smooth Bore

- ▶ Grade 304 stainless steel overbraid (grade 316 to order)
- ▶ Bore Sizes: 6mm to 25mm
- ▶ Working Pressure: 69bar to 241bar
- ▶ Temperature Range: -60C to +260C

### Convoluted Bore (with or without helical wire)

- ▶ Grade 304 stainless steel (grade 316 to order) or synthetic polymer
- ▶ Bore Sizes: 10mm to 100mm
- ▶ Working Pressure: 1bar to 172bar
- ▶ Temperature Range: -60C to +260C

### Assemblies available with a full range of end fittings and options including:

- ▶ Threaded
- ▶ Flanged
- ▶ Cam & Groove Fittings
- ▶ Bespoke Special End Connections
- ▶ Electrical, Steam & Heat Trace
- ▶ Special covers for protection against abrasion, heat, corrosion, improved operator handling