

A high-speed photograph of water splashing upwards, creating a dense column of water with many small bubbles. The water is clear and blue-tinted, set against a plain white background. The splash is centered vertically and slightly to the left of the center horizontally.

AN INTRODUCTORY
OVERVIEW

Abdex

FLUID TRANSFER TECHNOLOGY

ABOUT ABDEX

Established in the UK in 1974, Abdex has evolved into one of the world's leading manufacturers of specialist hose assemblies.

Abdex offers low, medium, high and ultra-high pressure fluid transfer solutions up to 60,000 psi (4,135 bar). In addition to our complete hose solutions, we also offer a large variety of fittings, valves and instrumentation components as well as Pressure test systems and hose manufacturing machinery.

With more than four decades of dedicated specialised experience, we offer unrivalled knowledge and resources. Compared to ordinary hose suppliers, we've done more, know more, and deliver more.

Abdex are an ISO9001 certified company with NATA pressure testing facilities to 5000 bar, which is fully supported by our experienced technical staff. We are globally positioned to supply our growing customer base worldwide.

With offices and manufacturing centres in the UK, Melbourne and Perth, Abdex is globally oriented, and perfectly positioned to supply growing customer bases in Europe and rapidly diversifying industries such as mining, oil and gas in Australasia.

THERMOPLASTIC

Wherever there's a technical challenge - or simply a tough job to do - thermoplastic hose is often the answer. With Abdex' unique features and outstanding performance characteristics, our thermoplastic hoses can outperform the most tried and tested traditional alternatives.

Abdex Thermoplastic range includes:

Medium Pressure

- SAE 100R7, 100R8 and 100R9
- Non-Conductive, 5,000 psi and 100R8
- Beverage Dispensing
- Industrial Gas Dispense
- Sewer Cleaning
- General Hydraulic

High Pressure

- Non-Conductive 10,000 psi
- Hydraulic Jacking and Rescue
- Water Jetting / Hydraulic
- Tube Cleaning / Lance Hose

Ultra High Pressure

- Hydraulic and Water Jetting
- Polyflex Lok - UHP Quick Connect Couplers
- Adaptors



OIL & GAS

The oil and gas sector demands the very best in reliability, durability and consistent high-performance. Abdex provides everything needed to meet those demands. Sizes range from 2 mm to 3", with working pressures from 6 bar (87 psi) to 4,000 bar (58,000 psi).

Abdex is proud to be certified to manufacture the Black Eagle range of multi-spiral wire-reinforced thermoplastic hoses specially designed for oil industry applications. The Black Eagle product range has bore sizes up to 3" and pressure ranges from 345 bar (5,000 psi) up to 1,035 bar (15,000 psi).

Abdex are the only certified company in Australasia to assemble Black Eagle products.

Abdex Oil and Gas range includes:

- Well Intervention
- Chemical Injection
- Cementing
- BOP and Hot Line
- Umbilicals and Jumpers
- Nitrogen Pressure Testing



UMBILICALS

Abdex umbilicals are designed for use in the offshore industry to offer a combination of long service life, chemical resistance, flexibility, and lightweight construction. As Abdex is an independent supplier we can use products to suit specific customer requirements.

Abdex can design, manufacture, and test a large range of bespoke umbilical and jumper hoses specifically made to customer requirements. Umbilical re-termination and re-testing can also be offered.

Umbilicals take many forms and may contain hoses of different types, sizes and pressure ratings. This can include:

- High collapse resistant (HCR) lines.
- Chemical injection.
- Umbilicals can be static or dynamic or a combination of both. Lengths may vary from short, in the case of hydraulic flying leads (HFL) to the long, in the case of Workover and Control Umbilicals (WOCS).



RUBBER

Today our hoses are used in countless sectors, oil and gas, waterblasting, automotive, mining and agriculture.

There's an Abdex rubber hose assembly to suit every application. A wide range of fittings including, BSP, metric, JIC, NPT, flanges, SAE and hammer unions are all available from stock. Every Abdex rubber hose assembly can be pressure tested and certified to international standards. We also offer a full hose management service and can individually trace each assembly produced.

Abdex Rubber range includes:

Hydraulic

- Water Jetting
- Water Blasting and Hydro-demolition
- Jacking - 10,000 psi
- Isobaric Range in 3,000 psi, 5,000 psi and 6,000 psi

Water Blasting

- A-blast
- Goldenblast
- Safesheild

INDUSTRIAL

Abdex has manufactured a wide range of industrial hose assemblies for over 40 years. We work closely with leading manufacturers from around the world. Meaning we're able to offer a solution for almost any application.

Abdex industrial hoses cover a wide range of applications, including air / water, automotive, petrochemical, offshore industries, material handling, vacuum, food and drink, mining, agriculture, shipbuilding. We crimp hose up to 8" and we offer an extensive range of end fittings.

Abdex Industrial range includes:

- Air Brake
- LPG Gas Hose
- Air and Multipurpose
- Water Suction and Discharge
- Petroleum Transfer
- Chemical Transfer
- Vacuum
- Insta-Lock™



HIGH PRESSURE FITTINGS & VALVES

Abdex provides a complete range of Instrumentation fittings, valves and tubing for high and ultra high applications, using quality engineered components from FITOK. Each part is marked with the pressure rating and material number.

Our FITOK range includes:

Valves

- Ball 0-10,000 psi, 10-20,000 psi
- Needle 3-10,000 psi, 10-60,000 psi
- Check
- Metering
- Relief

- Filters

- Tubing

Tube Fittings

- Twin Ferrule and 37° Flared

6 Series Pipe Fittings

Threaded Pipe Fittings

- 10,000 psi, 15,000 psi

- Adaptors and Couplings

Fittings and Tubing

- 20,000 psi, 60,000 psi

- Tooling



GENERAL INSTRUMENTATION

Abdex is a specialist distributor of the A-Lok and CPI range of Parker instrumentation twin ferrule fittings and valves.

Our Parker range includes:

General Instrumentation

- Tube Fittings

Valves

- Ball and Plug
- Check
- Filters
- Relief
- Bleed and Purge
- Metering
- Needle
- Manifold
- Diaphragm

Regulators

- Fluoropolymer Components
- Analytical Systems



COUPLINGS & ACCESSORIES

Abdex provides a diverse range of quick connect couplers to suit most of the hose assemblies we produce. We also supply various accessories to protect the user and prolong the life of the hose assembly.

Abdex hose protection and burst containment products come in a wide range of materials, from nylon and galvanised steel, through to stainless steel and aramid fibre.

Our Couplings and Accessories range include:

Couplings

- ISO A
- ISO B
- Flat Face
- 700 Bar
- 1000 and 1500 Bar
- Rogan Series

- Hose Containment Grips
- Hose Protection Covers and Hand Guards



HOSE MANAGEMENT SYSTEM

The RFID Chip, which is located on our hoses, logs all history of the hose as part of the Abdex A-Track System. This system will tell you when your asset is due for re-test and re-inspection.

A-track supplies you with the full asset / hose assembly data as recorded from point of manufacture.

Our free A-track mobile app allows customers to identify and view all of their hose information! The app is downloadable from the Android and Apple Store.

Scan the chip or enter the serial number and quickly find your record in the Abdex database.

Scan it! - Order it! - Get it! - Manage it!

A-track



TESTING, CONTROL & FLUSHING

Abdex understands how critical it is to test and clean hoses. We also understand the importance of quality, safety and traceability. A-Test was set up to allow us to specialise in design, manufacture and commissioning of high pressure test and flushing rigs.



We can manufacture and supply a complete range of machinery, from the supply of test pumps to bespoke design and custom built test and flushing rigs.

Abdex have an experienced design team to meet all requirements from concept, to completion. Our promise is to supply the best product and give the best all round, comprehensive service from start to finish - Concept, design and complete.

Our Testing range includes:

- Test Rigs to 5000 Bar
- Air Driven Hydraulic Pumps
- Hydrotest Power Packs
- Bolt Tensioner Power Packs
- Data Logging Box - Retro Fit
- A-Frames, Control and Manifolds
- Test Rig Control Panels
- Ultra High Pressure Test Rigs
- Flushing Rigs



HOSE ASSEMBLY EQUIPMENT

Abdex offer complete piece of mind with the most comprehensive and transparent service / calibration program on the market. Annual machine calibration helps ensure that our customers can produce quality first time, every time.

Our online service tool allows our service team to keep all your records up to date. Easy to navigate with every action recorded, and all documents in one place.

Abdex offer a full training and installation service. Training can be simply an hour to familiarise customers with controls, or a full day to cover the installation, basic usage of the machines, software training, production programming, service / data transfer and maintenance.

Our sole mission is to provide the best service with the best machines.

Our Hose Assembly Equipment range includes:

- Crimping Machines
- Hose Test Rigs
- Hose Cutting Machines
- Hose and Tube Cleaning
- Mobile Workshops and Container Fitting Service
- Hose Skiving Machines
- Hose Pin Pricking
- Hose Nipple Inserters
- Hose Marking Machines
- Coiling, Measuring and Storage
- Fluid Condition Monitoring
- Hose Flushing Machines



SUPPLY PARTNERS

Abdex are proud to be working along side companies such as Uniflex, Parker Hannifin, Larzep, FITOK, Eaton etc. We have carefully selected our suppliers to offer professional, fast and knowledgeable advice to all of our customers.



QUALITY & ACCREDITATIONS

Abdex has ISO 9001:2015 accreditation at each operating location. The Abdex Perth facility has NATA accreditation for pressure testing to 5,000 bar (72,500 psi). Abdex is a member of the British Fluid Power Association (BFPA), the Water Jetting Association (WJA) and the Australasian High Pressure Water Jetting Association (Ausjet).

All three of our manufacturing facilities are independently certified by Parker Polyflex for the assembly and test of hydraulic, water jetting and oil and gas assemblies to 4,000 bar (58,000 psi). Independent audits ensure our equipment and our people are certified to meet all the high standards we work to.



ABDEX CATALOGUE

If you would like to receive a free copy of our catalogue, please get in touch.

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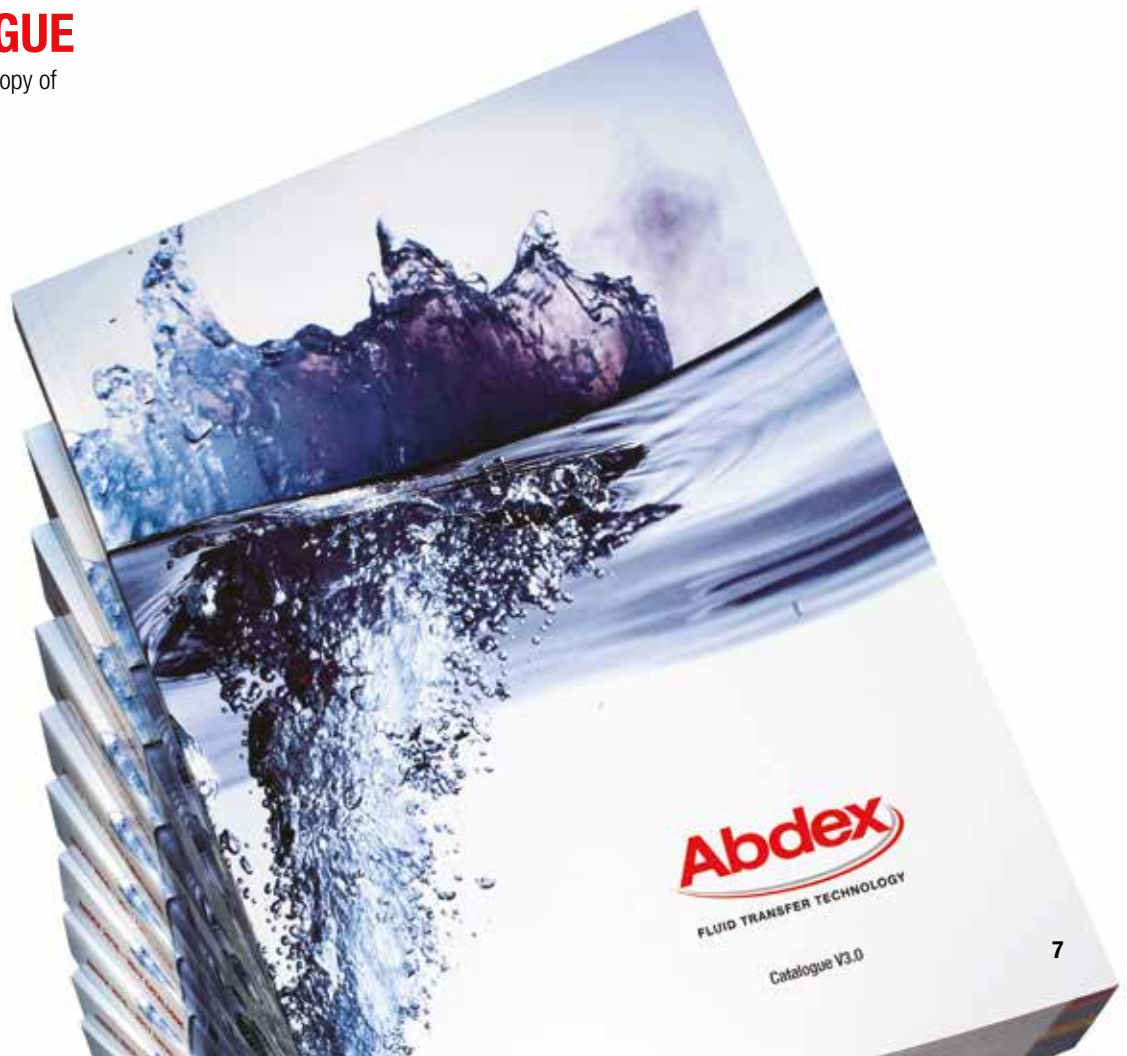
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