

Capability Statement

11 Jun 2020

ABDEX INDUSTRIES PTY. LTD.



INDUSTRIES SERVED

DEFENCE

MINING

OIL, GAS & ENERGY

WATER

Company Details

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Abdex offers low, medium, high and ultra high-pressure fluid transfer solutions up to 60,000 psi (4,135 bar). With an extensive variety of hoses, fittings, valves and instrumentation components, pressure test systems and hose manufacturing machinery. Our facilities are equipped with precision hose assembly, testing and asset management equipment providing our clients with specific hose assembly solutions.

A family owned and run business established in 1974. Abdex has evolved into a global leading manufacture of specialist hose assemblies. With branch offices in Western Australia, Victoria, Queensland, Singapore and United Kingdom we are able to service the marine and offshore, defence, manufacturing, pharmaceutical and mining industries.

Summary

QUALITY COMMITMENT

All manufacturing facilities are ISO 9001:2015 accredited.
NATA accredited laboratory for pressure testing to 5000 bar (72,500 psi).
Certified by Parker Polyflex to 4,000 bar (58,000 psi).
Independent third-party audits.
Type Approved DNV GL hose assemblies.

All our testing and processes guarantee Abdex products meet the performance and safety standards in today's industry. Member of British Fluid Power Association (BFPA), Water Jetting Association (WJA) and Australasian High-Pressure Water Jetting Association (AUSJET).

Description

Abdex are continually improving and enhancing our product range to ensure unparalleled performance, safety and longevity of our hoses. We supply Hoses, Fittings, Valves and Pressure Systems from Low to Ultra High Pressure (Gravity feed to 4000 bar / 58,000 psi working pressure).

THERMOPLASTIC HOSE ASSEMBLIES

We are a fully certified Hydraulic, Water Jetting, Oil and Gas hose assembler to 4000 bar working pressure.

- . Water Jetting, Blasting and Cutting.
- . Hydrotesting.
- . Hydraulic Lifting, Bolting, Torquing and Rescue Tools.
- . Food grade and Industrial Gas transfer.
- . Flame Retardant Mining.
- . Antistatic.
- . Non-Conductive.

OIL & GAS HOSE ASSEMBLIES

We supply a vast range of quality hose assemblies, fittings and valves to the Oil and Gas industry and we assemble, test and certify the Parker Black Eagle range of multi-spiral wire-reinforced thermoplastic hoses specifically designed for Oil Industry applications.

- . Well Intervention.
- . Black Eagle Hoses to 3, 15,000 psi.
- . Chemical Injection.
- . Cementing.
- . BOP and Hot Line.
- . Umbilicals and Jumpers.
- . Nitrogen Pressure Testing.

RUBBER HOSE ASSEMBLIES

Our Rubber Hose assemblies are made using premium hose brands including Parker, Gates and Contitech and are pressure tested and certified to international standards at all of our facilities. Also available from stock are a wide range of matched fittings.

- . Hydraulic Tools.
- . Water Jetting and Blasting.
- . DNV approved assemblies for Defence.
- . MSHA and FRAS Hydraulic Mining.
- . Jacking.
- . Isobaric range of hose.

INDUSTRIAL HOSE ASSEMBLIES

With a wide range of industrial rubber hoses using premium brand hose products from Contitech and Eaton. We also offer composite and metal corrugated hose assemblies and can crimp hose up to 8 inside diameter.

- . Air Brake.
- . LPG, Petrol and Diesel.
- . Air and Multipurpose.
- . Water Suction and Discharge.
- . Petroleum and Chemical Transfer.
- . Vacuum.
- . Food and drink.

HIGH PRESSURE FITTINGS & VALVES

Quality Fitok engineered components make up our complete range of Instrumentation fittings, valves and tubing for high and ultra high applications. Each part is marked with pressure rating and material number.

Valves

- . Ball 0-10,000 and 10-20,000 psi.
- . Needle 3-10,000 and 10-60,000 psi.
- . Check.
- . Metering.
- . Relief.
- . Filters.
- . Tubing.

Tube Fitting

- . Twin Ferrule and 37Flared.

Threaded Pipe Fittings

- . 10,000 and 15,000 psi.
- . Adapters and Couplings.

Fittings and Tubing

- . 20,000 and 60,000 psi.
- . Tooling.

GENERAL INSTRUMENTATION

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

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

A diverse range of quick connect couplers for Abdex hoses supported by various accessories, provides a safe secure connection and a long working life for the hose assembly.

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

Couplings

. ISO A.

. ISO B.

. Flat Face.

. 700, 1000 and 1500 bar.

. Rogan Series.

. Polyflex Lok - UHP Quick Connect Couplers.

. Adapters

ABDEX A-TRACK SYSTEM

Our Hose Management System uses state-of-the art RFID technology for tracking our products. The RFID microchip located on our hose assemblies is attached during assembly providing the customer with full product and test data recording from point of manufacture.

Benefits

TRAINING

Training and installation is offered on our Uniflex Hose making machine and custom build sales. Located at customers venue or a training facility, our dedicated training coordinator will take care of every aspect of the customers' requirements.

Associations

- > NATA for pressure testing to 5000 bar (72,500 psi)
- > Certified by Parker Polyflex to 4000 bar (58,000 psi)
- > Approved for DNV GL hose assemblies

Major Clients

- > Woodside
- > Chevron
- > GE
- > Baker Hughes
- > Schlumberger
- > Halliburton
- > Cameron
- > OneSubsea

Products & Services

- > Thermoplastic, Oil & Gas, Rubber, Industrial Hose Assemblies.
- > Fitok engineered Instrumentation fittings, valves and tubing.
- > Parker A-Lok and CPI Parker Instrumentation twin ferrule fittings and valves.
- > Couplings & Accessories
- > Custom Builds - pressure test rigs, control panels, Hydrotest units.
- > Service and Calibration
- > Abdex A-Track Hose management system

Facilities and Equipment

- > Uniflex Crimping Equipment
- > Pressure Test Equipment to 5000 bar
- > Hose Endoscope Equipment

Accreditations

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