

• CUSTOMER SERVICE • INNOVATION • MANUFACTURING • QUALITY • TECHNICAL EXPERTISE • EXCELLENCE • DESIGN •



*The Right Connection<sup>®</sup>*

# Power Generation - Turbines

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## THE RIGHT CONNECTION

Dixon is a leading worldwide supplier of hose, hose assemblies, manifolds, flexible pipe couplings and accessories with a proven track record as a solutions provider with the power generation market.

With an unsurpassed reputation and commitment to excellence, Dixon links robust quality controls with highly experienced people to provide innovative engineered solutions providing the correct specification of product for the application.

Full range of capabilities and customers benefit from access to the following resources.



### Service & Expertise

- Hose/pipework identification
- Flexi-pipe rework & replacement
- On-site measuring & installation surveys
- Asset Management

### Engineering, Design & Quality

- Technical specification & applied knowledge
- In-house engineering and production design
- Design & technical drawings
- International standards compliance (BS, EN, ISO)
- Type approvals (DNV, ABS, Lloyds)
- Customer, OEM & 3rd Party audits

### Manufacturing Capabilities

- ASME coded welders
- In-house CNC capabilities
- PED compliant
- UK Manufacture

### Inspection, Test & Traceability

- Positive Material Identification
- Hydrostatic & air under water testing
- Destructive & non-destructive testing
- Liquid dye penetration
- Passivation / Pickling
- Product tagging & identification
- Material certifications
- Certificate of conformance

## QUALITY ASSURANCE

Dixon products can be relied upon, as quality control starts at the innovative design stage, and is further supported with technologically advanced engineering and manufacturing processes.

Dixon will not compromise on quality control, utilising standards and inspection procedures at each critical step of the production process.

Our exacting standards are underpinned by the following international standards and certifications.

- ISO: 9001
- Pressure Equipment Directive 2014/68/EU
- DNV GL Type Approval
- ISPM15 Certifications



## PRODUCT PORTFOLIO



**Metallic Hose Assemblies**



**Instrumentation/  
Compression Fittings**



**Hose & Pipe Fittings**



**Pipework Fabrication**

## S.T.A.M.P.E.D

Dixon is guided by the STAMPED acronym when specifying hose assemblies:

### Size:

What is the I.D. (Inside Diameter) of the hose? What is the O.D. (Outside Diameter) of both ends of the hose? What is the overall length of the assembly required?

### Temperature:

What is the temperature range of the media (product) that is flowing through the hose assembly?

What is the temperature range of the environment that surrounds the outside of the hose assembly?

### Application:

How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

### Media:

What is the media/material that is flowing through the hose assembly?  
Being specific is critical. Check for: Abrasive materials, chemical compatibility, etc.

### Pressure:

What is the maximum pressure including surges (or maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest rated component in the system.

### Ends:

What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

### Dixon™:

Dixon™ recommends that all assemblies be permanently marked with the designed working pressure and intended media. Do not use other manufacturers' fittings or ferrules with Dixon™ products due to the differences in dimensions and tolerances. We also recommend that all hose assemblies be tested frequently.





# MARKETS & APPLICATIONS

## Markets

- Power Generation
- Marine
- Factories
- Paper & Pulp
- Boilers & Steam Generation
- Chemical Plant
- Commercial Engines
- Oil & Gas
- Petrochemical
- Terminals
- Combined Heat & Power

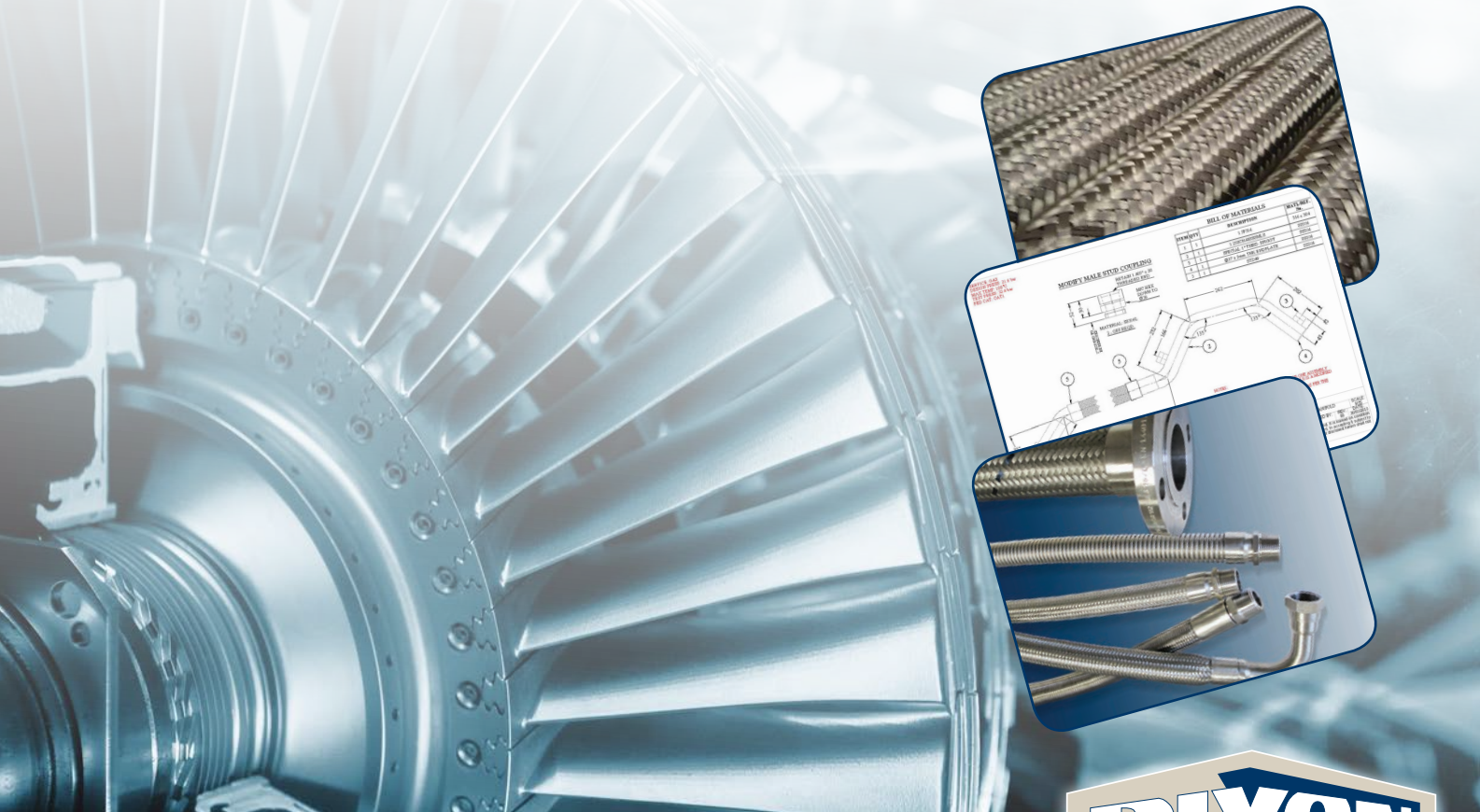
## Application

 Chemical	 Oil	 Petroleum
 Pharmaceutical	 Steam	 Power
 Gas	 EHW/E	 Renewable

## Experience

Dixon understands the importance of minimising downtime within the power generation industry.

With proven experience in conducting onsite installation surveys and the subsequent specification and manufacturing of pipe, hose and coupling products for turbines and generators Dixon can give a committed response to breakdowns and planned maintenance, repairs and re-modifications to ensure outages and downtime is kept to a minimum.



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