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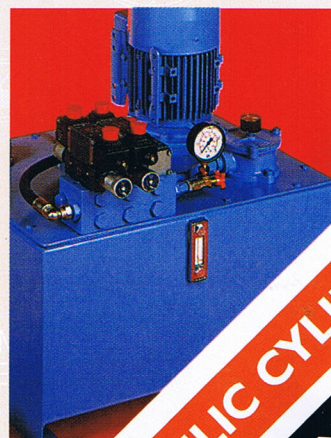
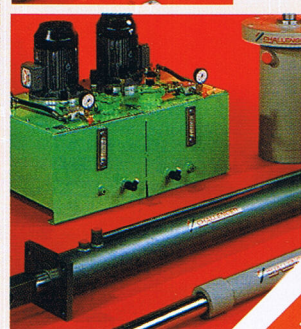
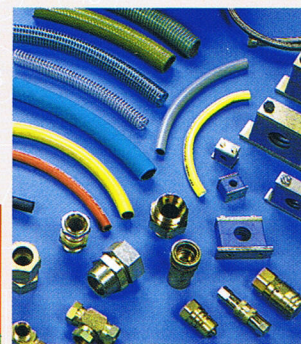
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1/2" BSP ANNULUS AND
FULL BORE PORTS

CAVITY
COUNT



SPECIALIST MANUFACTURERS • HYDRAULIC CYLINDERS • POWER UNITS
COMPLETE SYSTEM DESIGN & INSTALLATION

CHALLENGER

HYDRAULIC CYLINDERS & POWER UNITS

CHALLENGER

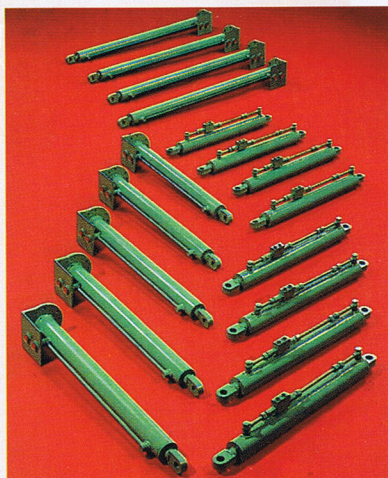
PUTTING TOTAL COMMITMENT INTO QUALITY ENGINEERING



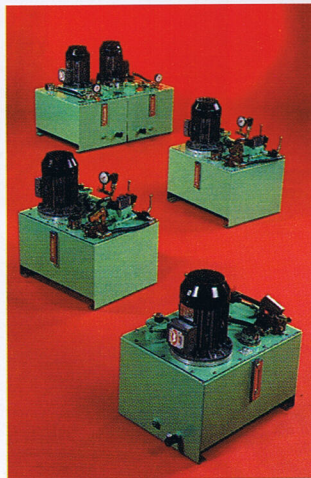
Volume manufacture of hydraulic cylinders for an automotive application on a scheduled basis.



A 300mm diameter hydraulic cylinder for a filter press manufacturer.



Hydraulic cylinders with special mounting attachments and built in valvegear for a water treatment facility.



Power units manufactured up to 45kW and designed to suit the environment in which they operate. Flame proofing is a particular speciality.

The **CHALLENGER** name has been synonymous with high quality engineered hydraulic cylinders and power units for over a decade. Today, the Dewsbury-based company offers a comprehensive design, manufacturing and installation package for systems which meet the exacting standards in a diverse range of applications throughout industry in the UK and abroad.

Low, medium and high working pressures can be accommodated to a maximum of 700 bar depending on the application and cylinder bore diameters up to 300mm can be accommodated. We CNC manufacture standard components for stock to ensure fast production of completed assemblies to achieve short lead-time deliveries.

As well as specialist pneumatic cylinders and telescopic hydraulic cylinders we can provide operator training, component repair and system refurbishment.

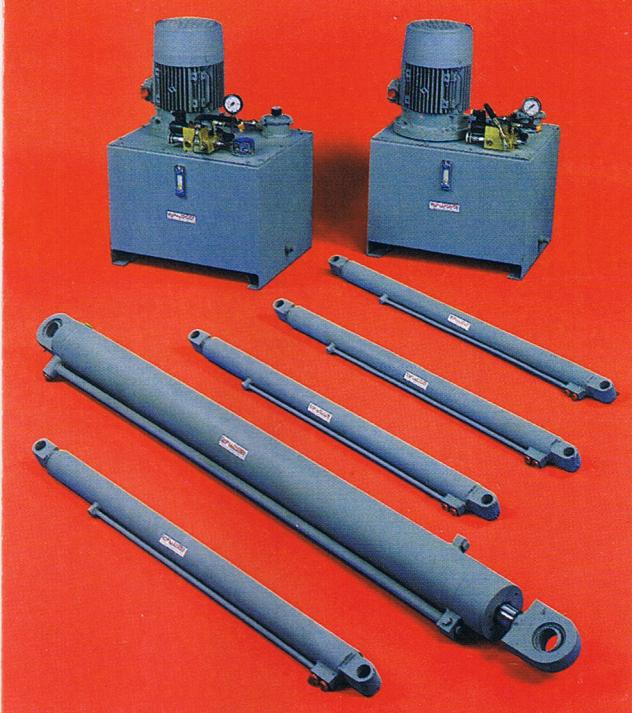
To complete the package we offer a comprehensive range of hydraulic hose and assemblies, steel tube, couplings, clamps, QRC and valves from a division within the **CHALLENGER** group.

We have the CAD facilities to design units for special applications; the capability to manufacture high quality products; and the expertise to install and maintain equipment wherever it is used.

At **CHALLENGER** we're confident that you will find our products impressive, our service exceptional and after-sales support second-to-none.

Technical details, drawings, main product information, and a wide range of options for specific applications are available from our central office complex, the address of which is on the back cover of this folder.

Whether it's a one-off special for a multi-national oil company or a bulk quantity of standard units for OEM supply, the **CHALLENGER** commitment is total.

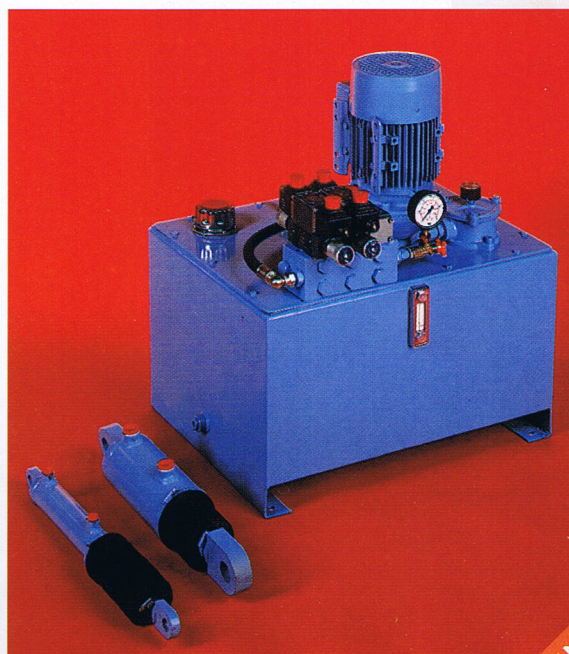


Complete systems are designed and manufactured to simplify industrial operations and individual components are specified to suit their application.

Advanced systems fitted with PLC controls, cross monitoring devices and standby systems to cater for true fail safe environments such as this gas turbine diverter valve application.



BSP ANNULUS AND
FULL BORE PORTS



Hydraulic cylinders, power unit and associated connections designed for operation in a particularly hot and hazardous environment.

SPECIALIST MANUFACTURERS • HYDRAULIC CYLINDERS • POWER UNITS
COMPLETE SYSTEM DESIGN & INSTALLATION

Typical applications for **CHALLENGER** Cylinders & Power Units

- Machine tools
- Refuse handling
- Materials handling
- Offshore equipment
- Steel processing
- Water treatment industry
- Mining industry
- Construction industry
- Vehicle manufacturing
- Chemical industry



Also available are a large
and comprehensive stock
of hose and couplings

CHALLENGER

HYDRAULIC CYLINDERS & POWER UNITS

SHAW CROSS BUSINESS PARK, OWL LANE, DEWSBURY, WF12 7RF
TEL: 01924-464433 FAX: 01924-456292

E-MAIL: sales@challenger-group.co.uk
WEB SITE: www.challenger-group.co.uk



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