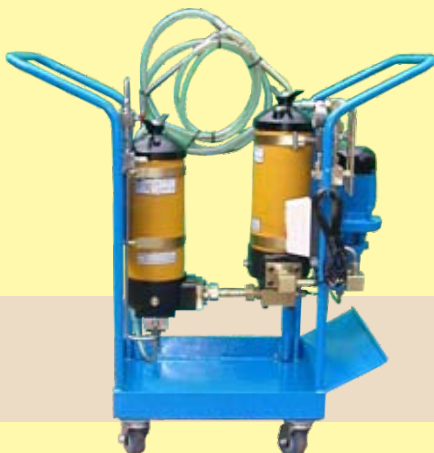


ACE

Ace Automation Engineers Hydraulic & Pneumatic Systems

- Hydraulic Power Packs & Cylinders
- Hydraulic & Pneumatic Presses
- Hydraulic & Pneumatic Systems for Paper Mills
- Hydraulic Systems for Hydel Power Plants
- Hydraulic Systems for Belt Filter Press
- Oil Filtration & Transfer Units
- Centralised Oil Lubrication Systems
- Hydraulic Paper Plate Making Machines
- Air Cooled Oil Coolers
- Test Rigs/Benches
- Pneumatic Cylinders, Control Panels & Valves



www.acefluidpower.com

ACE AUTOMATION ENGINEERS

HYDRAULIC & PNEUMATIC SYSTEMS

Ace Automation Engineers is a well established designer and manufacturing firm of Hydraulic & Pneumatic Automation Equipment having commissioned various Hydraulic & Pneumatic Systems for a wide range of applications.

PRODUCT RANGE

HYDRAULIC POWER PACKS & CENTRALISED OIL LUBRICATION SYSTEMS

Power Pack for Steel Mill



Power Pack for Hydel Power Plant



Power Pack for Die Casting Machine



Power Pack for Shipping Industry



Power Pack for Machine Tool Industry



C.O.L. System for Paper Mill



Ace has designed and manufactured Hydraulic Power Packs and Centralised Oil Lubrication Systems for industries such as Paper, Sugar, Belt Filter Press, Hydel Power Plant, Construction, Aluminum Die Casting, Shipping, Steel, Machine Tool, Automobile service station lifts and many others.

Flow rate : up to 500 liters per minute (110 GPM)

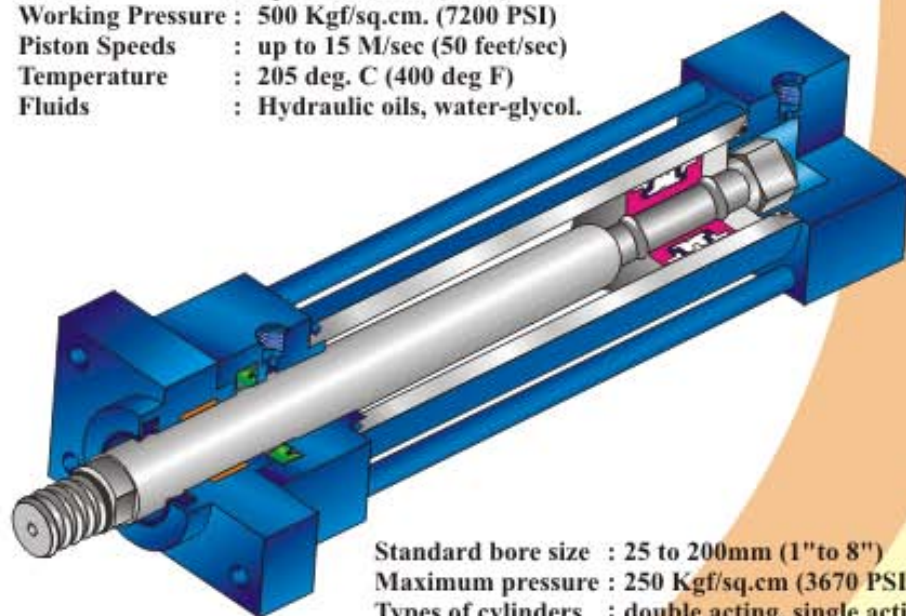
Pressure : up to 550 Kg/sq.cm (800 PSI)

Motor : up to 37 KW (50 HP)

HYDRAULIC CYLINDERS

Hydraulic Cylinders are manufactured to ISO 6020 / 6022 Standards & also to customer's specification. These include long stroke cylinders for material handling in tunnel furnaces, machine tool applications, broaching machines, presses, die casting machines, core pulling cylinders for aluminum die casting applications, paper mills, cold & hot steel rolling mills etc. Cylinders manufactured are Tie Rod design, Mobile design, Flanged construction, Press cylinder and Custom made . A number of mounting styles are available for each type of cylinder. Honed/Skived & Roller Burnished seamless cylinder tubes are used. Piston rods are made from Hard chrome plated & ground steel bars. Seals are of Busak + Shamban - Germany, Hallite - UK & Merkel - UK.

Bore : 25 to 500 mm (1" to 20")
Stroke : up to 5000 mm (200")
Working Pressure : 500 Kgf/sq.cm. (7200 PSI)
Piston Speeds : up to 15 M/sec (50 feet/sec)
Temperature : 205 deg. C (400 deg F)
Fluids : Hydraulic oils, water-glycol.

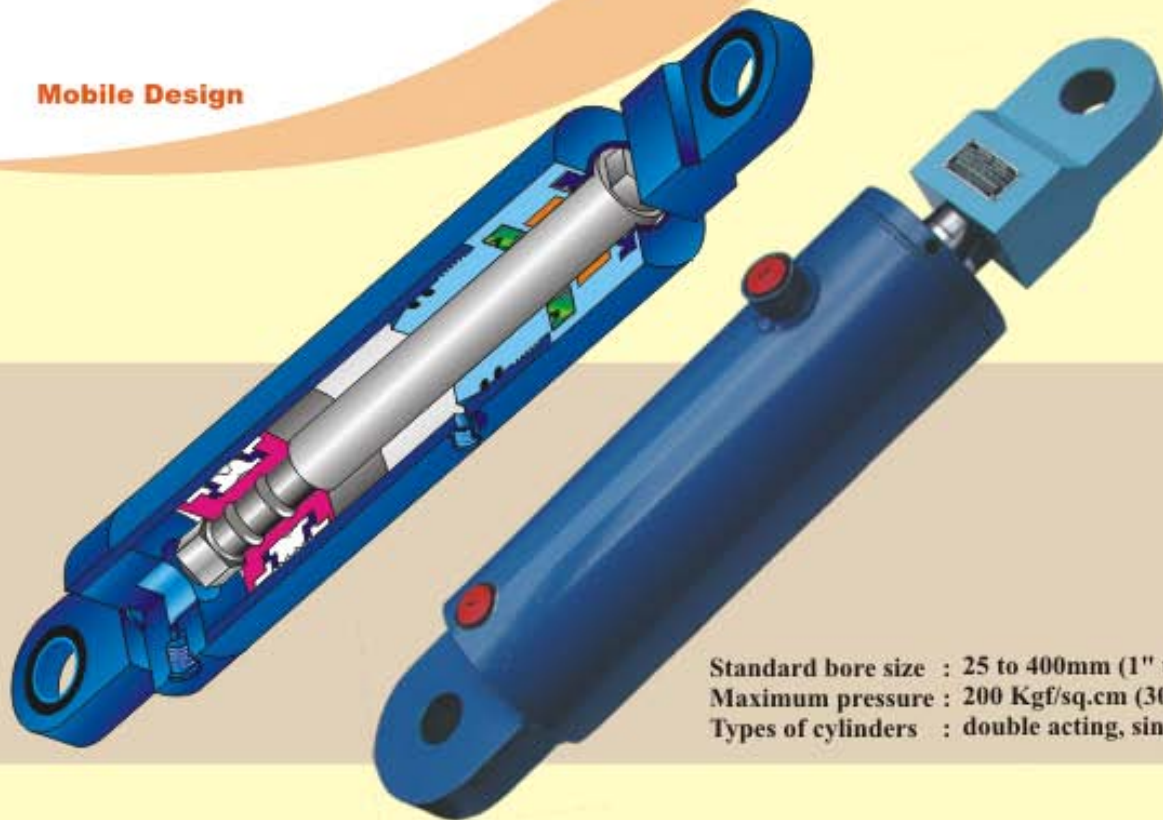


Standard bore size : 25 to 200mm (1"to 8")
Maximum pressure : 250 Kgf/sq.cm (3670 PSI)
Types of cylinders : double acting, single acting, through rod, tandem

Tie Rod Design

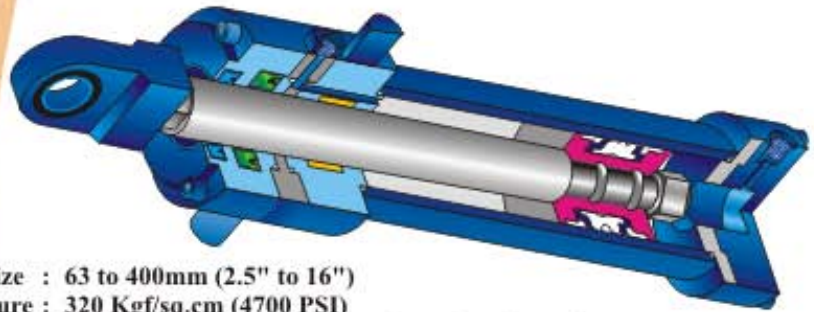


Mobile Design



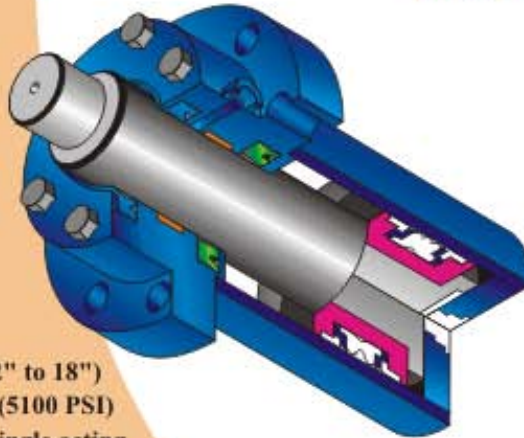
Standard bore size : 25 to 400mm (1" to 16")
Maximum pressure : 200 Kgf/sq.cm (3000 PSI)
Types of cylinders : double acting, single acting, through rod.

Flanged Construction

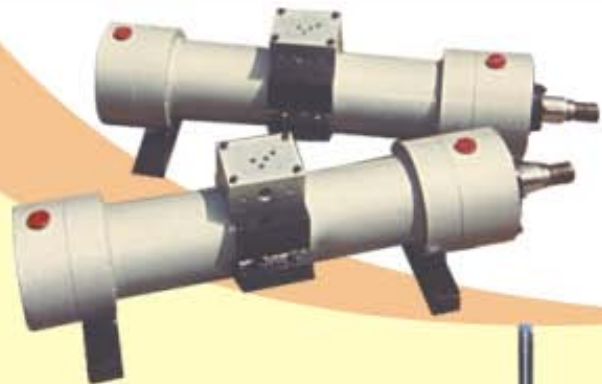


Standard bore size : 63 to 400mm (2.5" to 16")
Maximum pressure : 320 Kgf/sq.cm (4700 PSI)
Types of cylinders : double acting, single acting, through rod, tandem

Press Cylinder



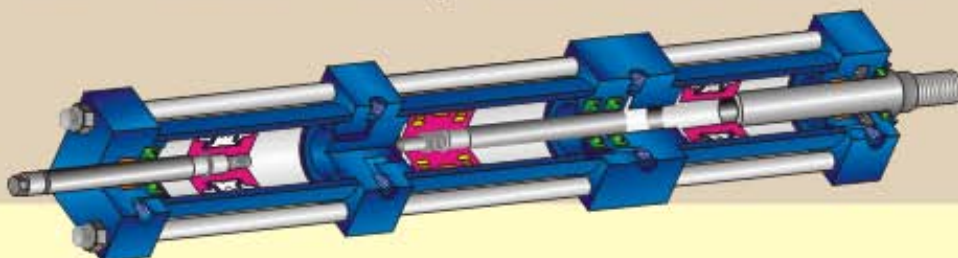
Standard bore size : 50 to 450mm (2" to 18")
Maximum pressure : 350 Kgf/sq.cm (5100 PSI)
Types of cylinders : double acting, single acting



Custom Made Cylinders designed as per the customers drawing and requirement

HYDRO-PNEUMATIC CYLINDERS

Available in pressing capacity of 2, 4, 8, 15 & 30 tons having strokes of 50, 100, 150 mm with high pressure strokes of 6 & 12 mm. Honed/Skived & Roller Burnished seamless cylinder tubes are used. Piston rods with integral pistons are Hard chrome plated & ground. Seals are of Busak + Shamban - Germany, Hallite - UK & Merkel - UK.



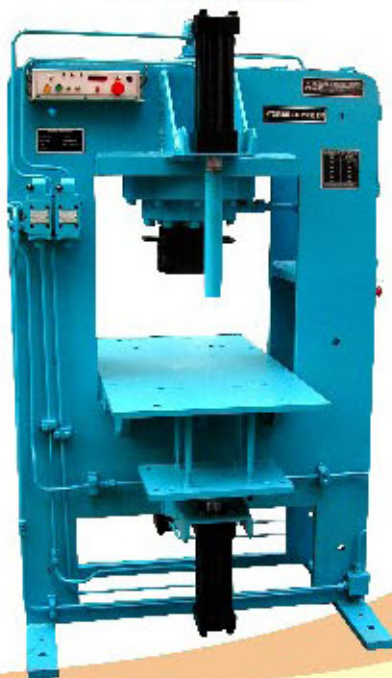
PNEUMATIC CYLINDERS

Types of pneumatic cylinders manufactured are double acting, single acting, through rod, telescopic and tandem. Options of interchangeable mounting styles are available with each type of cylinder.

Bore size	: 25-375mm (1" - 15")
Stroke size	: 10-2000mm (0.4" - 80")
Maximum pressure	: 10 Kgf/sq.cm (150 PSI)



Hydraulic Press
For Tile Making



HYDRAULIC, PNEUMATIC & HYDRO-PNEUMATIC PRESSES

H frame, C frame, 2 pillar & 4 pillar presses of sturdy design & excellent workmanship are manufactured for a wide range of applications. These hydraulic, pneumatic and hydro-pneumatic presses are available with semi-automatic & automatic advanced microprocessor based control options. Available in capacities of up to 100 tons, applications include tile making, shearing, bending, stamping, embossing, straightening, coining, punching, pressing, clamping, riveting, flaring & blanking.

Hydraulic
Press for Paper Plate
Making



Hydraulic Press
For Ball Bearing
Assemblies



Pneumatic
Press for Brake Wire
Cutting



PISTON TYPE ACCUMULATORS

Manufactured to suit customers requirement, with leak proof seals & heavy duty bearing guide strips. Applications include fluid power storage, pulsation dampening, emergency power source, volume / flow compensation, counter balancing, shock absorption/ dampening, fluid separation.

Gas capacity	: up to 60 litres
Maximum operating pressure	: 210 kgf/sq. cm.



OIL FILTRATION EQUIPMENT

The Portable Oil Filtration and Transfer Unit is a perfect solution for recycling and contamination control of mineral based oil. This unit is designed to filter contaminated oil having viscosity up to 1000 cST. It is available in various oil flow capacities and filtration rating of 25, 10, 5 and 3 microns. This unit can be used to filter and re-circulate lubricants without shutting down the machine. It is also ideal for transfer of oil from drums to machine reservoirs as it filters while it transfers. These units are supplied complete with electrical motor, starter, hydraulic gear pump, filters, clogging indicators, drip pan & hydraulic hose.



INSTRUMENTATION PANELS

Electro-hydraulic & pneumatic control panels for process control complete with panel, pressure gauges, control valves & electricals.

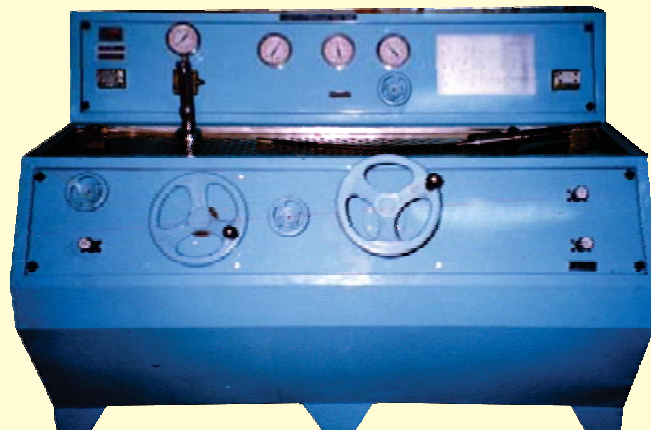


TEST RIGS: Made to order for

Testing of Valves.

Hydro-testing of pressure vessels.

Fatigue & destructive testing of components.



ACE AUTOMATION ENGINEERS

C-164, Mayapuri Industrial Area, Phase II,
New Delhi - 110064, India.

Ph : 011-28114501, 28114502

Fax : 011-28114503

E-mail : sales@acefluidpower.com

Website: www.acefluidpower.com