





Established in 1990, Pacific Hydraulics is a specialist hydraulics sales and service provider with a well-earned reputation for providing the highest quality fluid power products, service and repairs to all major Australian industries.

Australian owned and operated, Pacific Hydraulics has grown into one of the most respected hydraulic sales and service providers in the country. From humble beginnings in Brisbane Queensland, our dedication to supporting Australian industries has allowed us to expand our geographical reach, offering hydraulic products and services to customers across the country, from Brisbane to Perth.

When time and quality matter, you can trust Pacific Hydraulics to keep you moving.





## DANFOSS SPECIALISTS

Pacific Hydraulics is proud to be Australia's No. 1 Danfoss service and supply centre. Our premier status extends to services and repairs on all Danfoss hydraulic components, ensuring that components are repaired to Danfoss' stringent quality standards and procedures.

## OUR BRANDS

Our extensive range of world leading brands of hydraulic components and spare parts includes:

*Danfoss*

**SPX**  
Power Team  
Stone

**Rexroth**  
Bosch Group

**BRAND**  
HYDRAULICS



**Damcos**

**Hayden**  
Industrial Products

**HYDAC**

**PACIFIC**  
HYDRAULICS

**REGGIANA**  
RIDUTTORI

**RYCO**

## WHY PACIFIC HYDRAULICS

- National branch network including Danfoss Accredited workshops in Brisbane, Sydney and Perth
- 24/7 onsite emergency repair service
- Considerable stock holdings so that critical parts and spares can be shipped immediately
- Detailed documentation for repairs, critical spare parts and servicing schedules
- Our people! We work in partnership with our customers and offer ongoing technical assistance and advice, even for products not directly sold by us
- Our commitment to be available to assist, even when you are on a remote site or if you have an after hour's critical breakdown

## OUR INDUSTRIES

### Mining



Pacific Hydraulics has a complete service, repair and replacement offering for the hydraulics components of drill rigs.

Work can be performed onsite and in the field where possible, components can be sent for workshop repairs in one of our fully equipped, modern workshops. We also maintain large stock holdings of common spare parts to get your drill rig back in action fast.

### Road Construction



When it comes to the servicing and repairs of the mobile equipment used in road construction, including tunnel drilling and asphalt laying, Pacific Hydraulics has your hydraulic components covered. We can service, repair and replace all hydraulic systems, including cylinders, motors, valves and hydrostatic drives.

### Forestry



As mobile equipment repair specialists, we have the capabilities to service and repair all major mobile equipment brands found in the forestry industry and have experience with the hydraulics components of forwarders, harvesters, skidders and swing machines. We also have access to quality Danfoss products for those times when a component requires replacing.

### Marine



Pacific Hydraulics has the experience and expertise to keep your vessel in the water. We can repair and maintain all of the hydraulic components found on and around marine vessels, including cranes, winch drives, keels, thrusters and stabilisers.

When new components are required, our status as Danfoss' Number 1 Service and Supply Centre means we stock a comprehensive range of steering units, valves, hydraulic pumps and orbital motors. We also offer complementing products, such as Reggiana Riduttori gearboxes and brakes, providing a complete system upgrade solution.

## OUR INDUSTRIES

### Waste Management



Pacific Hydraulics offers fast hydraulic repairs and spares for all types of vacuum trucks. We can service and repair hydraulic cylinders, hydraulic pumps, hydraulic motors, hydrostatic drives and control valves. Additionally, we have the capability to remove, repair and install components in-situ, keeping your truck out of the workshop and on the road.

### Wood Chipping



Pacific Hydraulics stocks Danfoss hydraulic products, amongst others, suitable for the replacement of parts on most common wood chippers. Additionally, Pacific Hydraulics is capable of performing repair and servicing jobs on the hydraulic components of most brands of wood chippers, including Vermeer, Bandit and Morebark.

### Agriculture



Farm machinery are some of the hardest working pieces of mobile equipment. To keep your machinery performing at its peak, Pacific Hydraulics recommends an off-season maintenance schedule and can perform servicing to all hydraulic components, including closed circuit pumps and motors, orbital motors, open circuit pumps and valves.

During harvesting season, Pacific Hydraulics can perform repair jobs from one of our fully equipped workshops or we can quickly despatch replacement components to get your equipment moving again.

### Construction



Pacific Hydraulics specialise in the repair and servicing of the concrete mixers and concrete pump trucks used in construction projects. We can repair, service and replace the hydraulic components associated with transit mixers, concrete pumping and cranes.



## OUR CAPABILITIES

At Pacific Hydraulics, we pride ourselves on being specialists across hydrostatic and mobile hydraulic equipment. Hydraulic systems are comprised of specialist components and require a specialist to properly maintain and repair them. Pacific Hydraulics are able to repair and service all hydraulic components, regardless of brand, as well as supply everything from spare parts to brand new hydraulics systems.

Additionally, when you partner with Pacific Hydraulics, you can rest assured that we will supply, service and repair your hydrostatic and mobile hydraulic components to the highest possible standards of quality and reliability within the shortest possible time frame.

As specialists for all types of mobile equipment, we can service and repair hydraulic cylinders, hydraulic pumps, hydraulic motors and control valves. More importantly, we have the requisite skills and technical knowledge to service hydraulic components both quickly and cost-effectively, whether we stock them or not, and are capable

of specifying replacement products, if required.

Our customers trust us to not only service and repair when a problem occurs, but to also design and implement their preventative maintenance programs. While preventative maintenance is essential for avoiding downtime and lost production, we believe that a preventative maintenance program should deliver more than just operating equipment. At Pacific Hydraulics we design preventative maintenance programs based around the philosophy of keeping your hydraulic system performing optimally for longer, improving the productivity of your hydraulic equipment and your business.

Our dedicated engineering team adds to our comprehensive service portfolio, adding the capability of designing, testing and building all manner of hydraulic systems. We design each hydraulic system to match its unique operating environment and conditions, ensuring the hydraulic equipment performs optimally, is cost-effective, low-maintenance and is future-proofed to allow for future system expansion.



## OUR BRANCH NETWORK

Our branches are equipped to handle all your hydraulic service and repair requirements, with state of the art testing equipment and facilities to quickly diagnose system faults, and provide a solution to get your machinery back up and running in the shortest possible time.

Our branch network means that if one branch does not have a required component, we can often source what is required for your repairs from another of our branches, without having to wait for overseas shipping, reducing your operational downtime.

Most of our branches also have certified and experienced engineers, ready to design, optimise, build and commission your hydraulic system to your specifications, working environment and operational requirements.

## BRANCH BENEFITS AT A GLANCE

- Our dedicated team of hydraulic specialists
- Factory authorised service centres for Danfoss products
- 24/7 emergency repair service
- Onsite and workshop repairs available across the country
- Maintenance program development and implementation
- Hydraulic engineering and design service



#### Head Office

31 Powers Road, Seven Hills NSW 2147

P 02 9830 2377

F 02 9838 5815

#### Brisbane – Brendale

P 07 3881 0202

F 07 3881 0204

#### Brisbane – Richlands

P 07 3715 7399

F 07 3715 7977

#### Melbourne

P 1800 644 511

F 02 9624 4783

#### Perth

P 08 6461 0300

F 08 9353 5301

#### Sydney

P 02 9881 0061

F 02 9624 4783

#### Toowoomba

P 07 4634 2477

F 07 4634 4812

# 1800 644 511

[www.pacifichydraulics.com.au](http://www.pacifichydraulics.com.au) | [info@pacific-hyd.com.au](mailto:info@pacific-hyd.com.au)

ABN 79 011 053 704

Unless otherwise agreed with Pacific Hydraulics in writing, goods and services purchased from Pacific Hydraulics are purchased subject to Pacific Hydraulics' Terms and Conditions. The Terms and Conditions can be found on Pacific Hydraulics' website at [www.pacifichydraulics.com.au](http://www.pacifichydraulics.com.au) or can be requested by contacting Pacific Hydraulics.

## Formulas

$$\text{Force (N)} = \frac{\text{Pressure (Bar)} \times \text{Area (mm}^2\text{)}}{10}$$

$$\text{Torque (Nm)} = \frac{\text{Pressure (Bar)} \times \text{Displacement (cc/rev)}}{20\pi}$$

$$\text{Flow (LPM)} = \frac{\text{Fluid Velocity (m/sec)} \times \text{Area (mm}^2\text{)} \times 60}{1,000}$$

$$\text{Power (kW)} = \frac{\text{Flow (LPM)} \times \text{Pressure (Bar)}}{600}$$

$$\text{Power (kW)} = \frac{2\pi \times \text{Torque (Nm)} \times \text{Speed (RPM)}}{60,000}$$

## Conversions

1 PSI = 51.7mm Hg (Mercury)

1 ATM = 1 Bar = 14.7 PSI

10 Bar = 1 MPa

Product information is subject to change without notice.

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