



HYDRAULIC Warehouse



PRODUCT BROCHURE



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Eaton's premium orbital hydraulic motors

Light to heavy duty applications

Unmatched in quality

THW carry a wide range of spare parts including seal kits, shafts, flanges and case drains

J2 Series

Small duty high speed applications



- Up to 31.6 cc/rev
- 5 bolt mount
- 5/8" or 16mm shaft
- BSP or UNO ports

S Series



Small/medium duty general purpose applications

- Geroler motor
- Up to 370 cc/rev
- 2 or 4 bolt mount
- 1" shaft
- Case drain option

H Series

Small/medium duty agricultural applications



- Up to 370 cc/rev
- 2 or 4 bolt mount
- 1" shaft
- Case drain option

T Series



Small duty high pressure applications

- Geroler motor
- Up to 370 cc/rev
- 2 or 4 bolt mount
- 1" shaft
- Case drain option









Eaton's premium orbital hydraulic motors Light to heavy duty applications Unmatched in quality

THW carry a wide range of spare parts including seal kits, shafts, flanges and case drains

2000 Series

Medium duty general purpose motor

- Geroler motor
- Up to 492 cc/rev
- Up to 930 Nm
- 2 bolt, 4 bolt & wheel mount options
- Keyed, splined & tapered shaft options
- Case drain option
- High & low speed version

6000 Series

Heavy duty industrial/mobile applications • Geroler motor

- Up to 985 cc/rev
- Up to 1875 Nm
- 4 bolt & wheel mount options
- Keyed, splined, metric & tapered shaft options
- Case drain option

4000 Series

Heavy duty mobile applications

- Geroler motor
- Up to 625 cc/rev
- Up to 1180 Nm
- 4 bolt mount option
- Keyed, splined & metric shaft options
- Case drain option

10000 Series



Heavy duty industrial/mobile applications

- Geroler motor
- Up to 940 cc/rev
- Up to 3440 Nm
- 2 bolt, 4 bolt & wheel mount options
- Keyed, splined & tapered shaft options
- Case drain option











Eaton's standard performance motor option is available in a variety of options for small to medium size applications.

The motors are Eaton branded and have local support and warranty within Australia.

XLH Series



- Gerotor motor
- Up to 390 cc/rev
- 2 or 4 bolt mount
- 25mm or 1" shaft
- 1/2" BSP ports

XLS Series



- Geroler motor
- Up to 390 cc/rev
- 2 bolt mount
- 25mm shaft
- 1/2" BSP ports

XL2 Series



- Geroler motor
- Up to 492 cc/rev
- 2 or 4 bolt mount
- 32mm or 1-1/4" 14T splined shaft
- Option for HP shaft seal & seal guard

Seal Kits











Vickers is one of the most widely recognised and respected brands in the fluid power industry. Vickers became part of Eaton in 1999 and continue to deliver quality, performance driven products for industrial, mobile, aerospace, marine and defence applications. THW stocks high volumes of common Vickers products.

Industrial Valves



- Cetop 3 & 5 solenoid valves
- Cetop 3 high performance valves
- Cetop 3 & 5 modular stack valves
- Manual control valves
- Pneumatic pilot control valves

Eaton Spares

THW carries a large range of spares for the Eaton Range



Charlynn

• Seal kits, shafts & bearing assemblies, front & rear housings, high pressure shaft seals and more

Eaton Heavy Duty (33-76 Series)

Gasket kits, rotating group components, shafts & shaft seals

Vickers

 Vane pump cartridge kits, seal kits, coils, bolt kits & mounting brackets

Vane Pumps



- V10
- V20
- VQ

420 Series Piston Pumps



- Displacements of 41cc up to 80cc
- Operating speed up to 2,650 rpm
- Available with a variety of control options







Pressure Filters



Used to filter pressurised lines, these filters come with a variety of porting, pressure and element options, for a range of applications, such as agricultural, industrial and mobile.

Medium Pressure - These filters are low cost and compact. Handling pressure up to 320 bar and flows up to 475 lpm.

FMM
 FMP

High Pressure - Designed for pressures up to 420 bar and flows up to 750 lpm.

• FHP • FHM





Tank mounted semi-immersed return filter, essential for keeping the oil returning to tank clean. Comes standard with high flow rate bypass valve.

- MPF
- MPH

In-Line Return



Specifically designed for mobile, agricultural and light industrial applications with high return line pressures. Generally used as a more efficient alternative to high pressure spin on filters. Pressure up to 60 bar and flows up 800 lpm.

- LMP 210
- LMP 430
- LMP 950

Suction



From a simple strainer to the more complex suction filter, with anti-start safety switches and closing valve to prevent oil loss during maintenance, MP Filtri suction filters can cover most applications.

- STR
- SF2 250
- SF2 500

Spin On



Designed for mobile and agricultural equipment with easy to change elements. The MP Filtri Spin On Cans are interchangeable with most of the other manufacturers of spin on housings. Available with nominal or absolute elements.

- MPS
- MSH

Will-Fit Elements



Our range includes a selection of competitively priced replacement elements to suit housings from Hydac, Pall, Parker, Stauff and other well known brand names.













Relief Valves



- For system relief of excessive hydraulic flow
- Keep your system safe in flows up to 380 lpm
- Industry standard cavities in a wide variety of poppet or spool types
- Cross-over, bi-directional and thermal relief option

Flow Control Valves



- Control your hydraulic flow with variable/fixed orifice restrictor types
- Flows up to 530 lpm and pressures up to 345 bar
- Needle valves, manual rotary valves, pressure compensated flow regulators, flow divider/combiners
- Optional settings and adjustment types

Directional Valves



- For directional control of hydraulic flows
- Flows up to 280 lpm and pressures up to 345 bar
- Manually/hydraulically operated valves and logic elements enable circuit flexibility and performance optimisation
- Range of check valves, rotary valves, shuttle valves, spool types and poppet types

Sequence Valves



- For better control of your hydraulic actuators
- Range of construction types including internal and external pilots as well as internal and external drains

Proportional Valves



- For accurate control of hydraulic flow to cylinders/motors
- Flows up to 150 lpm and pressures up to 345 bar
- Designed for reliability even in exposed mobile machinery applications

Solenoid Valves



- For on/off control of hydraulic flow
- Flows up to 300 lpm and pressures up to 345 bar
- Choose from a range of poppet or spool types
- Perfect for mobile operating environments
- Manual override options available







Relief Valves



An important part of any hydraulic system with a range of operating flows (up to 150 lpm) and pressures (up to 350 bar), these valves are widely used in mobile & industrial applications and come in both direct acting pilot operated spool types.

- FPM-D
- FPM-P

Unloading Valves



Maintain peace of mind when charging your accumulator or unloading your pump with one of our Fluid Press pilot operated unloading valves that operate up to 150 lpm.

FPMS

Check Valves



Commonly used in agricultural, mobile & industrial applications, our range includes the simple single acting insert types as well as pilot operated, balanced single pilot operated and double piloted operated valves that are common in agricultural cylinders.

FPRI or FPD
 FPSL or FPSFB

For load sensing or determining pressure from 2 alternative sources, consider the FPT shuttle valves.

Overcentre Valves



Fluid Press overcentre valves are designed for load holding, control & safety. With internal & external pilot choices, stock is available in 3 main variations; cartridge version, single overcentre and dual overcentre (standard line mounted, standard gasket mounted and partially balanced).

- FPOB
- FPOEB

Sequence Valves



Fluid Press Sequence Valves are specifically used to cause actions in a system that have a definitive order or to maintain a minimum pressure in a primary line. Typical in manufacturing industrial applications and also stocked in a fully balanced variant.

- FPSQ
- FPSQB

Flow Control Valves



Fluid Press flow control valves are ideal for a range of applications from metal-forming to agricultural equipment. Choose from barrel type restrictors and cartridge needle valves, or introduce a flow divider/combiner in your system.

FP(MU/BC/FD)

Our range also includes pressure compensated flow regulators. For specialised boom lift applications, we recommend the FPEXC flow, check & metering valves.









Power Units



THW also accommodates custom HPU enquiries that make use of our standard tank sizes

THW's Hydraulic Power Units (HPU's) are designed and manufactured in Australia. Available with 50L, 75L, 100L or 200L tank sizes, and a range of motor and pump combinations, THW HPUs are ideal for most industrial applications.

We currently stock THW Power unit kits of 75L tank that have the capability to be used at flow rates up to 27lpm and pressures up to 210 bar.

Standard Features

Tank: Steel, painted

Electric Motor: 0.55 kW to 22.0 kW

Drive Pump: Gear or Piston (Load sense/pressure compensated)

Manifold: Aluminium, Cetop 3 or Cetop 5 base

Valving: System relief valve, check valve

Filtration: Integrated return filter with 10μ NOM element

Filler/Breather with replaceable element

Accessories: Level Gauge, pressure gauge

Optional Features

Manifold: Station manifolds and assorted system stack valves Valving: Unloading valves, remote pressure control relief

Filtration: Pressure filter

Assorted elements ($3\mu/6\mu/10\mu$ ABS or $10\mu/25\mu$ NOM)

Accessories: Filter indicators (visual/electric)

Pressure switches

Accumulator ready set-up









Group 1 - DIN Mount (P1B0)



Displacement: 1.1 – 5.8 cc

Speed: Max speeds of 3000 – 6000 rpm

Pressure: Up to 250 bar

Shaft: 1:8 tapered with max torque of 25 Nm

Group 2 - DIN Mount (P2B0)



Displacement: 4 – 25 cc

Speed: Max speeds of 3000 – 4000 rpm

Pressure: Up to 285 bar

Shaft: 1:8 tapered with max torque of 200 Nm

Group 2 - Bosch Mount (P2B2)



Displacement: 4 – 22 cc

Speed: Max speeds of 3000 – 4000 rpm

Pressure: Up to 285 bar

Shaft: 1:5 tapered with max torque of 180 Nm

Group 2 - SAE-A 2 Bolt Mount (P2A0)



Displacement: 4 – 25 cc

Speed: Max speeds of 3000 – 4000 rpm

Pressure: Up to 285 bar

Shaft: 5/8" or 3/4" straight key with max torque

of 185 Nm

Group 3 - SAE-B 2 Bolt Mount (P3A0)



Displacement: 22 - 63 cc

Speed: Max speeds of 2800 – 3500 rpm

Pressure: Up to 265 bar

Shaft: 7/8" straight key or 7/8" spline

Double Pumps (P2FA)



Displacement: 4 – 20 cc

Speed: Max speeds of 3000 – 4000 rpm

Pressure: Up to 285 bar **Shaft:** Female spline **Porting:** UNO and BSP









GM08 GM10



Flow: 45 lpm

Pressure: Up to 350 bar



Flow: 90 lpm

Pressure: Up to 350 bar

Build Options

Working Sections	1-6
End cap Options	3 position spring centred (Standard or single acting spool specific), 3 position detent, Pneumatic pilot
Spool Options	Double acting, Motor spool, Single acting – Port A Single acting – Port B
Relief Valves	Direct acting, Pilot operated
Circuit Type	Open centre, High pressure carry over, Closed centre







CV400



CV110

Flow: 50 lpm

Pressure: Up to 320 bar



Flow: 80 lpm

Pressure: Up to 320 bar

CV110 Build Options

Working Sections	1-5
End cap Options	3 position spring centred (Standard or single acting spool specific), 3 position detent, Pneumatic pilot
Spool Options	Double acting, Motor spool, Single acting – Port A Single acting – Port B
Relief Valves	Direct acting, Pilot operated
Circuit Type	Open centre, High pressure carry over, Closed centre

CV400 Build Options

Working Sections	1-4
End cap Options	3 position spring centred (Standard or single acting spool specific), 3 position detent, Pneumatic pilot
Spool Options	Double acting, Motor spool, Single acting – Port A Single acting – Port B
Relief Valves	Direct acting, Pilot operated
Circuit Type	Open centre, High pressure carry over, Closed centre











Breathers



- Bayonet & screw-in styles
- 3 40 micron rating
- Chrome & plastic options

Level Gauges & Slight Glasses



- 1/4"-1-1/4" sight glasses
- 76mm, 127mm & 254mm level gauges with thermometer option

Bell Housing & Couplings



- 80-180 electric motor frames
- Multiple pump mounting options
- Spiders & couplings to suit

Ball Valves



- 2 & 3 way valves
- $\frac{1}{4}$ " 1-1/2" BSP ports
- Up to 500 bar pressure

Needle Valves



13

- Single & double acting
- 1/4" 1" BSP ports
- Up to 400 bar pressure

Pressure Compensating - Flow Control Valves



- 30-114 lpm
- Optional relief valve
- Up to 210 bar pressure





The Hydraulic Warehouse - Enjoy the benefits of online ordering

Finally, a service where you can order the parts you want when you want.

Enjoy the advantage of our real-time online ordering system which can be accessed 24 hours a day, 7 days a week. Customers can use the system to:

- Look up part numbers or product descriptions
- View account statements

View stock availability

Get copies of open invoices and statements

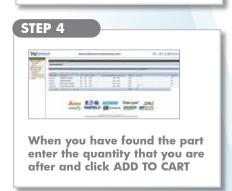
Place orders

Once set up, all you have to do is follow 5 easy steps to place an order:

Go to www.thehydraulicwarehouse.com.au and click on the Online Ordering button at the top right corner of the page













HYDRAULIC Warehouse

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