INDUSTRIAL HYDRAULIC SOLUTIONS

PRODUCT & SERVICES CATALOGUE

Engineered components • Integrated systems • Workshop repairs • On-site support

SUPPLY	SERVICE	SUPPORT
Quality hydraulic components	Repairs and refurbishment	Technical and field assistance

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01 ABOUT THE DIVISION

Reliable hydraulic solutions for demanding industrial environments

Your hydraulic solutions partner

SDW Hydraulic Division supplies, supports and services hydraulic components and systems for industrial, mining, agricultural, mobile and materials-handling applications. Our approach combines practical engineering support with dependable product sourcing, workshop capability and responsive field service.

Core capabilities

Component Supply

A practical range selected around the application and operating duty.

- Pumps, motors and cylinders
- Valves, filtration and accumulators
- Hose, tube, fittings and accessories

System Solutions

Support from concept and component selection through assembly and commissioning.

- Hydraulic power units
- Manifolds and control assemblies
- System upgrades and modifications

Workshop Services

Inspection and repair focused on returning equipment to reliable service.

- Strip-and-assess inspections
- Cylinder and component repairs
- Testing and reporting

Field Support

On-site assistance to help locate faults, reduce downtime and improve reliability.

- Fault finding and condition checks
- Hose and piping inspections
- Planned maintenance support

Catalogue contents

02	Hydraulic pumps & motors
03	Hydraulic cylinders
04	Valves, manifolds & control
05	Filtration, cooling & fluid care
06	Hose, tube, fittings & accessories

02 HYDRAULIC PUMPS & MOTORS

Power generation and rotary actuation for mobile and industrial systems

We assist with selecting pump and motor configurations according to displacement, flow, pressure, speed, mounting, shaft, porting, fluid type and duty cycle.

Gear Pumps

Compact, robust solutions for general-purpose hydraulic circuits.

- External and internal gear configurations
- Single and multiple pump arrangements
- Replacement and application matching

Vane Pumps

Smooth, low-pulsation performance for industrial systems.

- Fixed and variable displacement options
- Cartridge and complete pump solutions
- Low-noise applications

Piston Pumps

High-pressure and variable-flow solutions for demanding duties.

- Axial and radial piston technologies
- Open- and closed-circuit applications
- Pressure-compensated configurations

Hydraulic Motors

Rotary drive solutions across a wide speed and torque range.

- Gear, vane, gerotor and piston types
- Fixed or variable displacement
- Brake, valve and manifold options

Information required for selection

OPERATING DUTY

- Required flow
- Working/peak pressure
- Speed and torque

INTERFACE

- Mounting pattern
- Shaft type
- Port size and position

FLUID & ENVIRONMENT

- Hydraulic fluid
- Temperature range
- Contamination/exposure

03 HYDRAULIC CYLINDERS

Linear motion solutions, repairs and purpose-built assemblies

Our cylinder offering covers standard replacement, repair and custom-built solutions. Final design and selection are based on load, stroke, mounting, working pressure, speed, environment and safety requirements.

Standard Cylinders

Common industrial and mobile configurations for reliable linear actuation.

- Single- and double-acting options
- Tie-rod and welded constructions
- Multiple mounting arrangements

Custom Cylinders

Purpose-built solutions developed around the equipment and operating duty.

- Application-specific bore and stroke
- Mounting and port configuration
- Material and surface-finish options

Cylinder Repairs

Structured inspection and refurbishment of repairable cylinders.

- Strip, clean and dimensional inspection
- Seal, rod, barrel and component assessment
- Assembly and functional testing

Accessories

Supporting items for installation, control and protection.

- Mounting components and pins
- Position sensing options
- Flow controls and load-holding valves

Cylinder assessment checklist

- Equipment and application
- Bore, rod diameter and stroke
- Closed and extended lengths
- Mounting style and pin dimensions
- Port type, size and position
- Operating and peak pressure
- Load, speed and duty cycle
- Fluid, temperature and external environment

04 VALVES, MANIFOLDS & CONTROL

Pressure, flow and directional control for safe, efficient operation

Directional Control Valves

Control the start, stop and direction of actuator movement.

- Manual, solenoid, pneumatic and hydraulic actuation
- Monoblock, sectional and subplate-mounted types
- Mobile and industrial configurations

Pressure Control Valves

Protect equipment and manage force within the hydraulic circuit.

- Relief, reducing and sequence valves
- Counterbalance and brake valves
- Unloading and pressure-control solutions

Flow Control Valves

Regulate actuator speed and manage flow distribution.

- Needle and throttle valves
- Pressure-compensated flow control
- Priority and flow-divider solutions

Check & Load-Holding Valves

Control flow direction and maintain loads safely.

- Inline and cartridge check valves
- Pilot-operated check valves
- Load-holding and motion-control cartridges

Manifold Assemblies

Compact, application-specific valve integration.

- Custom-drilled manifold blocks
- Cartridge and CETOP valve integration
- Reduced pipework and leak points

Electronic Control

Interfaces for proportional control and system monitoring.

- Proportional valves and amplifiers
- Pressure, temperature and level sensing
- Control panels and system integration

Safety note

Hydraulic systems can store hazardous energy. Component selection, installation, adjustment and maintenance must be completed by suitably competent persons in accordance with the machine risk assessment and applicable standards.

05 FILTRATION, COOLING & FLUID CARE

Protecting component life through effective contamination and temperature control

Clean, correctly specified hydraulic fluid is central to reliable system performance. We support filtration and fluid-care solutions for new installations, upgrades and maintenance programmes.

Pressure Filtration

Protection for sensitive downstream components.

- Inline pressure filter assemblies
- Visual and electrical clogging indicators
- Replacement elements selected to application

Return-Line Filtration

Contamination removal before fluid returns to the reservoir.

- Tank-top and inline configurations
- Breather and filler integration
- Bypass and indicator options

Suction & Offline Filtration

Reservoir protection and independent fluid conditioning.

- Suction strainers where appropriate
- Kidney-loop filtration units
- Portable filtration and transfer support

Heat Exchangers

Management of operating temperature and thermal load.

- Air-oil and water-oil cooling options
- Thermostatic and bypass control
- Application sizing support

Accumulators

Energy storage, pulsation damping and emergency functions.

- Bladder, piston and diaphragm types
- Safety blocks and charging accessories
- Inspection and pre-charge support

Reservoir Accessories

Supporting hardware for fluid management.

- Level and temperature indicators
- Breathers, fillers and access covers
- Magnetic plugs and sampling points

Good fluid-care practice

- Use the correct fluid type and viscosity.
- Control contamination during storage, filling and maintenance.
- Monitor filter condition and replace elements before bypass becomes routine.
- Investigate excessive operating temperature rather than treating it as normal.
- Sample oil at consistent locations and intervals when condition monitoring is required.

06 HOSE, TUBE, FITTINGS & ACCESSORIES

Safe fluid conveyance and dependable hydraulic connections

Hydraulic Hose

Hose assemblies matched to pressure, fluid, temperature, bend radius and environment.

- Wire-braid and spiral constructions
- Suction and return applications
- Protective sleeving and guarding

Fittings & Adaptors

Connection solutions across common thread and flange systems.

- Straight, elbow, tee and bulkhead types
- Metric, BSP, JIC, ORFS and related standards
- Transition adaptors and test points

Tube & Clamps

Rigid hydraulic lines for neat, durable installations.

- Precision hydraulic tubing
- DIN-type compression fittings
- Tube clamps and supports

Quick Couplings

Fast, controlled connection and disconnection.

- Flat-face and general-purpose styles
- Screw-to-connect high-pressure options
- Dust caps and protective accessories

Flanges & Ball Valves

High-flow connections and dependable isolation.

- SAE flange components
- Split flange kits and seals
- Two- and three-way ball valves

Instrumentation

Measurement and maintenance access points.

- Pressure gauges and gauge isolators
- Diagnostic test couplings
- Pressure and temperature switches

Hose assembly information required

Application	Equipment, movement and routing
Duty	Working pressure, impulse and flow
Media	Fluid type and compatibility
Environment	Temperature, abrasion, UV and exposure
Connections	End types, orientation, length and cleanliness

07

POWER UNITS, SYSTEMS & SERVICE

Integrated hydraulic packages with practical lifecycle support

Hydraulic power units

Power units can be configured for the required flow, pressure, reservoir capacity, control philosophy and operating environment. Solutions may include electric motor-driven or engine-driven pump groups, filtration, cooling, accumulators, manifolds, instrumentation and electrical controls.

System Design Support

Application review and component selection for new systems and modifications.

- Duty and circuit review
- Component and control selection
- Serviceability considerations

Assembly & Testing

Workshop assembly with documented inspection and functional verification.

- Clean assembly practices
- Pressure and function checks
- Identification and handover information

Repairs & Refurbishment

Assessment of hydraulic equipment to establish a practical repair scope.

- Strip-and-assess reporting
- Replacement of worn service items
- Testing prior to release

Preventive Maintenance

Planned support focused on reliability and early fault detection.

- Leak and hose condition inspections
- Filter and fluid checks
- Temperature, noise and pressure observations

Fault Finding

Structured troubleshooting based on symptoms, measurements and circuit function.

- Pressure and flow checks
- Valve and actuator assessment
- Root-cause recommendations

On-Site Assistance

Field support for installation, commissioning and maintenance activities.

- Installation checks
- Commissioning assistance
- Shutdown and breakdown support

08 REQUEST A QUOTATION

Provide the information below so we can respond accurately

Enquiry checklist

Company / site	
Contact person	
Equipment / application	
Component required	
Manufacturer / model	
Part number	
Quantity	
Operating duty	Flow, pressure, speed, load and duty cycle
Attachments	Photos, nameplate, drawing or sample details

Contact SDW Hydraulic Division

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Product availability, brands, specifications and lead times are confirmed at quotation stage. Images, if later inserted, should be regarded as illustrative unless specifically stated otherwise.

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