



HYDRO-POWER

Prince  *MASTER DISTRIBUTOR*

AGRICULTURAL



- Farm Equipment
- Logging Equipment
- Poultry Equipment
- Portable Saw Mills
- Golf Course Equipment
- Fence Building Equipment
- Ag Machine Shops
- Ag OEM Parts
- Forestry
- Ag Marine
- Grain Storage



INDUSTRIAL



- Heavy Equipment Dealers
- Refuse Handlers
- Compactor Equipment
- Road Equipment
- Pavers
- Dirt Movers
- Loaders
- Dump Trucks
- Wet Kits
- PTO Kits
- Airplane Loaders
- Industrial Machine Shops
- Industrial OEM Parts
- Oil Field Equipment
- Walking Floor Trailers

24/7

SERVICE

NO PART NUMBER • NO PROBLEM

Toll Free 1.800.898.0608

MANUFACTURERS



- Automotive Plants
- Parts Plants
- Injection Molders
- Furniture Plants
- Maintenance Shops
- Heavy Equipment Plants
- Pole Treatment Plants
- Cross Tie Plants
- Lumber Mills

TEST FACILITIES



PROCESSORS



- Poultry Plants
- Rendering Plants
- Catfish Plants
- Bottling Plants
- Packaging Plants
- Pulp & Paper Mills
- Steel Mills
- Scrap Processing
- Petro Plants
- Chemical Plants
- Feed Mills

FREE ESTIMATES ON REPAIRS

www.hydropowerms.com

Tie-Rod Cylinders - 3000 PSI

- Heavy duty, high strength tie-rods
- Induction hardened piston rods plated w/ Royal Plate Plus®
- 7 year warranty against corrosion



MASTER DISTRIBUTOR

Various Sizes In Stock And Available For Immediate Shipment

Model	Bore	Stroke
B200-B250	2" - 2½"	Bore 4" - 30" Stroke
B300-B350	3" - 3½"	Bore 8" - 48" Stroke
B400	4"	Bore 8" - 48" Stroke
B450	4½"	Bore 8" - 48" Stroke
B500	5"	Bore 8" - 48" Stroke

Sword Line Welded Cylinders - 3000 PSI

- Heavy duty welded construction
- Urethane u-cup & wiper in gland, crown seal on piston
- Various sizes are available
- 1½" to 4" Bore sizes available from 8" stroke to 30" stroke

SP20 & SP25 Series Gear Pumps

- Up to 48 gallons per minute
- Up to 3000 PSI
- SAE mounting flange
- Keyed and splined shafts



Adjustable Flow Control Valves

Model	Description
RD-150-8	½" NPTF Ports 0-8 GPM
RD-150-16	½" NPTF Ports 0-16 GPM
RD-175-30	¾" NPTF Ports 0-30 GPM



Many Other Products Available...

Series 20 Stack Valves

- Power Beyond Capability
- Load checks on each work port
- Extra fine spool metering
- Reversible handle
- A float section can be installed in any location
- Interchangeable mounting with other popular 20 GPM stack valves
- Optional work section with pilot operated checks
- Single to 10 spool work sections available



Relief Valves

Model

Description

RD-1800

In line relief adjustable 1000-2500 PSI up to 20 GPM

RV & DRV

In line relief 500-3000 PSI up to 30 GPM



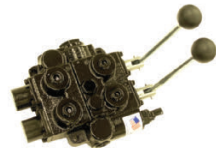
PTO Hydraulic Pumps

- Up to 40 gallons per minute
- Up to 2250 PSI
- 540 & 1000 RPM



RD5000 Mono-Block Valves

- 1, 2, & 3 Spool valves available
- Load check on each spool
- Hard chrome plated spool
- Closed center capability



RD-900 Selector Valves

- 3000 PSI
- 30 GPM Max Inlet Flow
- 1/2" NPTF & 3/4" NPTF



Log-Splitter Control Valves

- Ideal for log-splitter applications
- Available with 3/4" NPTF work ports for higher flow applications

Model

Description

LS-3000-1

Pressure release detent spool out

LS-3060-1

Pressure release detent spool in

LS-3060-3

Pressure release detent spool w/manual rapid extend



MASTER DISTRIBUTOR



Single Selector Valves

- 2500 PSI
- 20 GPM Max inlet flow

Model

Description

SS-2A1D

1/2" NPTF Port Selector w/knob



Pilot Operated Check Valves

- 1400 Series
- Lock valve double pilot operated
- 30 GPM Max inlet flow
- 3000 PSI

Model

Description

RD-1450

1/2" NPTF Port

RD-1475

3/4" NPTF Port



- 1600 Series
- Pilot operated check valve
- 20 GPM Max inlet flow
- 3000 PSI



Model

Valve & Cylinder Port

Pilot Port

RD-1637

3/8" NPTF

1/4" NPTF

RD-1650

1/2" NPTF

1/4" NPTF

RD-1608

#8 SAE (3/4-16)

#4 SAE (7/16-20)

Tie-Rod Cylinders - 2500 PSI

- Durable black powder coat paint / coverage under the tie-rods
- Steel rod clevis and base clevis
- Side port configuration



Various Sizes In Stock And Available For Immediate Shipment

- 2" Bore sizes available from 4" stroke to 36" stroke
- 2 1/2" Bore sizes available from 6" stroke to 48" stroke
- 3" Bore sizes available from 4" stroke to 36" stroke
- 3 1/2" Bore sizes available from 8" stroke to 30" stroke
- 4" Bore sizes available from 4" stroke to 36" stroke

Mono-Block Directional Control Valves 8 GPM & 14 GPM

- 8 GPM / 3500 PSI Rating
- 14 GPM / 4000 PSI Rating
- Load Check
- Adjustable relief
- Enclosed handle
- #8 SAE O-ring in/out & work ports
- Interchangeable motor spool
- Open center - field convertible to power beyond and closed center
- Low spool leakage (3 cc/min @ 1500 PSI)



Single Spool To Six Spool Mono-block Valves In Stock

Standard Gerotor Motors Low Speed-High Torque

- High-torque, low speed with gerotor
- Instantly reversible by reversing the flow
- Cross-over for many popular models in the market
- 1.0" keyed shaft
- 4 Bolt Flange
- 1/2" NPFT Ports



Valves
Port Size
1/4" NPTF
3/8" NPTF
1/2" NPTF
3/4" NPTF
1" NPTF

In-Line Flow
Control
WFC-400
WFC-600
WFC-800
WFC-1200
WFC-1600

In-Line
Check
WCV-400
WCV-600
WCV-800
WVC-1200
WVC-1600

In-Line
Needle
WNV-400
WNV-600
WNV-800
WNV-1200
WNV-1600



Pressure Gauges Stem Mount

PM-HG-3
PM-HG-4

2 1/2" Face, 5000 PSI, 1/4" NPT
4" Face, 5000 PSI, 1/4" NPT

Glycerin Filled Pressure Gauges

Stem Mount
Model

Center Back
Mount Model



WLGS-600
WLGS-1000
WLGS-2000
WLGS-3000
WLGS-5000

WLGC-600
WLGC-1000
WLGC-2000
WLGC-3000
WLGC-5000

2 1/2" Face, 600 PSI, 1/4" NPT
2 1/2" Face, 1000 PSI, 1/4" NPT
2 1/2" Face, 2000 PSI, 1/4" NPT
2 1/2" Face, 3000 PSI, 1/4" NPT
2 1/2" Face, 5000 PSI, 1/4" NPT

Adjustable Flow Control Valves



W-1950-8
W-1950-16
W-1912-30
WR-1950-16
W-1908-8
W-1975-30
WR-1975-30

1/2" NPTF Ports 0-8 GPM
1/2" NPTF Ports 0-16 GPM
#12 SAE/ORB Ports 0-30 GPM
1/2" NPTF Ports 0-16 GPM w/relief
#8 SAE/ORB Ports 0-8 GPM
3/4" NPTF Ports 0-30 GPM
3/4" NPTF Ports 0-30 GPM w/relief

Versa-Pak / Refuse Systems

Versa-Pak Unloading System



- Limits flow to system while in use preventing hydraulic overspeeding
- Off Mode flow is diverted back to tank at low pressure
- Controls horsepower loss
- Available with optional speed sensor & digital speed controller

Versa-Pak Dry-Valve



- Incorporates an air operated dry valve
- Permits hydraulic operation while vehicle is in motion
- Reduces fuel consumption in Off Mode
- Eliminates On Mode heat build-up associated with “Live” systems
- Available with optional speed sensor & digital speed controller

Versa-Pak Flow Control



- Preset amount of flow to hydraulic system
- Excess flow returned to tank at low pressure
- Protects the system's main relief valve from being flooded
- Priority pressure compensated flow control minimizes heat

Permco Evo Vane

New Line Of Vane Pumps



- EVO line is both versatile & rugged
- Dual Ported-Std. 1½” NPT rear ports & up to 1½” NPT side ports
- Bi-Rotational pump/motor designed to fit a variety of applications
- Doweled & high strength cast iron construction
- 4.5 CID - 7.07 CID & Pressure up to 3000 PSI at up to 3000 RPM

Dump Pumps & Accessories

Series DM-512-20/DMD-20

IN ³ (cc)	GPM @ 900 RPM/2000PSI	GPM @ 1200 RPM/2000PSI	GPM @ 1500 RPM/2000PSI
5.12 (84.3)	17.5	24.0	30.5

Series DM-640-25/DMD-25

IN ³ (cc)	GPM @ 900 RPM/2000PSI	GPM @ 1200 RPM/2000PSI	GPM @ 1500 RPM/2000PSI
6.40 (105.4)	21.0	29.0	37.5

Series DMR/DMD-300

IN ³ (cc)	GPM @ 900 RPM/2000PSI	GPM @ 1200 RPM/2000PSI	GPM @ 1500 RPM/2000PSI
3.0 (40.2)	10.0	14.0	17.5



Series DMR/DMD-400

IN ³ (cc)	GPM @ 900 RPM/2000PSI	GPM @ 1200 RPM/2000PSI	GPM @ 1500 RPM/2000PSI
4.0 (65.5)	13.5	19.0	24.0



Gemini Dual-Use Pumps

Features: Designed to be used with dual use applications, typically a dump trailer and a live floor trailer.

- Dual relief valve Low pressure for dump trailer & High Pressure for live floor trailers
- Field adjustable
- SAE "B" 4 bolt mount

Series DG-20/RG-20

IN ³ (cc)	GPM @ 900 RPM/2000PSI	GPM @ 1200 RPM/2000PSI	GPM @ 1500 RPM/2000PSI
5.12 (84.3)	17.5	24.0	30.5



Air Shift Controls and Towers

Series PAVC-295-T-S

Features towers in either 8" or 13" styles. The PTO is kicked out of gear when the pump lever is put into the "Lower" position.

Series PCONV-PER-4

Features an 8" tower, it also comes with a PTO valve cutout for a Chelsea PTO. The air valve shown is supplied with the PTO.

P1229 Air Valve

This air valve controls both the dump pump and the PTO in one lever.

997-00971A Air Shift Cylinder

This is an after market air shift cylinder that fits the DMD-25 and DM-640 Dump Pump as well as all other units of similar designs.

997-01444 Air Tower

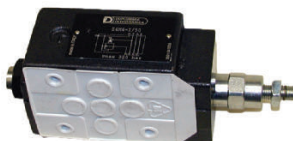
This air tower controls the pump/valve, PTO, cylinder, and the high/low pressure setting on the relief valve for the dual pressure Gemini Pumps.



Pilot Operated Pressure Reducing Valve

Type Z4M3, 4, 5, 6

Size: D05
Pressure: Max 320 bar
Flow Rate: 80-100 l/min



Pilot Operated Distributors

Type E4P4, E4R4, DSP7, E5P4, DSP10

Size: D05, D07, D08, D10
Pressure: 350-420 bar
Flow Rate: 150-1100 l/min



Directional Valve Distributors

Lever Operated DSH, Roller Operated DSR3
Pneumatic DSA, Hydraulic DSC3

Size: D03, D05
Pressure: Up to 350 bar
Flow Rate: 75-125 l/min



Pressure Relief Valves

Type RQ*-P

Size: ND 10, 25, 32
Pressure: Up to 350 bar
Flow Rate: 250-500 l/min



Directional Control Valves

Type DS3 & DS5

Size: D03, D05
Pressure: 320-350 bar
Flow Rate: 100-150 l/min



Pressure Relief Valves w/unloading

Type RQ

Size: ND 10, 25, 32
 Pressure: Up to 350 bar
 Flow Rate: 250-500 l/min



Proportional Pressure Relief Valves

Type PRED3, PRED3G & J (Direct) Type PRE3, PRE3G & J (Piloted)

Size: ND 06 & ND 10,25,32
 Pressure: Up to 350 bar
 Flow Rate: 1-50 & 200-500 l/min



Proportional Directional Control Valves

Type DSE3, DSE3G & J Type DSE5, DSE5G & J

Size: D03,D05,D07,D08, D10
 Pressure: 320-350 bar
 Flow Rate: 30-75 l/min



Digital Cards for Closed Loop

Type EWM

Rail Mounting DIN en 50022

Card Controls: MS-Master & Slave
 S-Stroke SS-Synchro Stroke
 SP-Stroke & Pressure P-Pressure
 PID-Customizable PQ-Pressure & Flow
 RI-Speed



Digital Amplifier for Open Loop

Type EDC-1

Plug version DIN 43650
 Max deliverable current 2,6 a





BVA

HYDRAULICS

BUILT TO LAST



► CYLINDERS

► SINGLE ACTING CYLINDERS

- Rectangular spring results in even distribution of rod
- Cylinders come standard with 3/4" NPTF high flow ball couplers

► FLAT BODY CYLINDERS

- Great for areas of low clearance
- Maximum working pressure: 10,000 psi / 700 bar

► FLAT BODY CYLINDER KITS

- Various height magnetic adapters
- Carrying case
- Perfect for low clearance areas needing a little height boost
- Maximum working pressure: 10,000 psi / 700 bar

► ALUMINUM CYLINDERS

- Up to 60 percent lighter than comparable tonnage steel rams
- Convenient carry handle
- Hard anodized aluminum piston rod

► DOUBLE ACTING CYLINDERS

- One piece high grade alloy bearing for side load protection and long life
- Ideal for pushing and pulling

► LOW PROFILE CYLINDERS

- Compact design for use in confined spaces
- Return spring ensures quick retraction and extends the life
- Chrome plated ram helps prevent scratching and corrosion
- Plunger end is grooved to reduce load slippage
- Maximum working pressure: 10,000 psi / 700 bar

► HOLLOW HOLE CYLINDERS

- Ideal for pulling and pushing applications
- Heavy duty compression spring
- XT cylinders do not come with plunger internal threads

► PRECISION DOUBLE ACTING CYLINDERS

- Designed for high cycling in production applications
- Clevis eye attachments are available

► THREADED CYLINDERS

- Single acting
- Removable threaded plunger adapter allows for the use of a variety of threaded attachments

► HIGH TONNAGE CYLINDERS

- Industrial hard chrome plated ram prevents scratching and corrosion
- Base mounting holes standard on all models
- Rod wiper seals out dirt and contamination

► PULL CYLINDERS

- External plunger threads
- Internal base threads
- Used for pulling and tensioning

► ELECTRIC PUMPS WITH LOCKING SOLENOID VALVE

- Locking valve provides positive load holding
- Ideal for applications where a remote control is required
- 2 speed operations
- Full load starting capabilities

► ELECTRIC PUMPS

► ELECTRIC PUMPS WITH AUTO RETURN VALVE

- Best suited for punching, crimping, and cutting applications
- 2 speed operation
- Full load starting capabilities
- Internal filter



INDUSTRIAL HYDRAULIC EQUIPMENT

AIR PUMPS

METAL AIR PUMP

- Used with single acting cylinder
- High strength reinforced alloy reservoir is lightweight and corrosion resistant
- Suggested air pressure range: 110-175 psi / 7.5-12 bar
- PA2000 offers a turbo function



REMOTE CONTROL AIR PUMP

- Used with double acting cylinder
- 10 ft. hand held remote allows user to operate the air pump from a safe distance

DOUBLE ACTING AIR PUMP

- Used with double acting cylinder
- PA1500M offers a 4-way control valve for operation of double acting cylinders

HAND PUMPS



TWO SPEED ALUMINUM HAND PUMPS

- Used with single acting cylinder
- Lightweight aluminum alloy for easy handling
- Two speed operation

DOUBLE ACTING HAND PUMPS

- A 4-way control valve for operation of double acting cylinders
- Two speed operation

LOW PRESSURE HAND PUMP

- Lightweight and portable for use with punch drivers
- Rugged steel pump with chrome handle
- Single speed
- Mounting bracket for easy, permanent mounting
- Maximum working pressure 7,200 psi

SINGLE SPEED HAND PUMPS

- Used with single acting cylinder
- All metal reservoirs resist cracks and leaks
- Internal pressure relief valve

TWO SPEED HAND PUMPS

- All metal reservoirs resist cracks and leaks
- Two speed operation reduces user fatigue
- Load release valve for single acting cylinder usage

SHOP PRESSES

- Heavy steel welded construction
- Multi-position bed for work height adjustment
- Ideal for the removal or installation of gears, universal joints, pulleys, wrist pins, and other press jobs
- Excellent for bending, bonding, or straightening applications



GAS PUMPS with HONDA ENGINES

- Industrial grade 5.5 hp and 10.2 hp Honda gas engines
- Manual control valve for use with single or double acting
- Two speed pump applications
- Features a sturdy protective roll cage



MAINTENANCE KITS

- Sets are portable for easy use in the plant or on the job site
- Custom fitted, rugged blow molded storage case
- Designed for applications of pushing, spreading, pressing, and more



- 10 ton set has wheel for easy movement
- Available in 4 Ton, 10 Ton, and 20 Ton capacity

BVA CROSS REFERENCE CHART

Ton	BVA	ENERPAC	Power Team	Simplex
Single Acting Cylinders				
5	H0500	RC-50	-	R50
	H0501	RC-51	C51C	R51
	H0503	RC-53	C53C	R53
	H0505	RC-55	C55C	R55
	H0507	RC-57	C57C	R57
	H0509	RC-59	C59C	R59
	H1001	RC-101	C101C	R101
	H1002	RC-102	C102C	R102
	H1004	RC-104	C104C	R104
10	H1006	RC-106	C106C	R106
	H1008	RC-108	C108C	R108
	H1010	RC-1010	C1010C	R1010
	H1012	RC-1012	C1012C	R1012
	H1014	RC-1014	C1014C	R1014
	H1501	RC-151	C151C	-
	H1502	RC-152	C152C	R152
	H1504	RC-154	C154C	R154
15	H1506	RC-156	C156C	R156
	H1508	RC-158	C158C	-

Ton	BVA	ENERPAC	Power Team	Simplex
Threaded Cylinders				
10	HT1006	-	C106CBT	-
	HT1010	-	C1010CBT	-
Aluminum Cylinders				
30	HU3002	RAC-302	RA302	-
	HU3004	RAC-304	RA304	-
	HU3006	RAC-306	RA306	RAS306B
	HU5002	RAC-502	RA552	RAS502A
50	HU5004	RAC-504	RA554	-
	HU5006	RAC-506	RA556	RAS508A
	HU5010	RAC-5010	RA5510	-
	HU7504	-	-	-
75	HU7506	-	-	-
	HU10002	RAC-1002	RA1002	RAS1002A
100	HU10006	RAC-1006	RA1006	RAS1006A
	HU10010	RAC-10010	-	-
Low Profile Cylinders				
10	HL1001	RCS-101	RSS101	RLS101
20	HL2002	RCS-201	RSS202	RLS201
30	HL3002	RCS-302	RSS302	RLS302
50	HL5002	RCS-502	RSS502	RLS502

Ton	BVA	ENERPAC	Power Team	Simplex
Hollow Hole Cylinders				
12	HC1201T	RCH-120	RH120	RC120
	HC1202T	RCH-121	RH121	RC121
	HC1202XT	RCH-1211	RH121T	RC1211
	HC1203XT	RCH-123	RH123	RC123
20	HC2002T	RCH-202	RH202	RC202
	HC2006T	RCH-206	RH206	RC206
30	HC3002T	RCH-302	RH302	RC302
	HC3006T	RCH-306	RH306	RC306
60	HC6003T	RCH-603	RH603	RC603
	HC6006T	RCH-606	RH606	RC606
100	HC10003T	RCH-1003	RH1003	RC1003
Lock Nut Cylinders				
55	HLN5502	CLL-502	R552L	RLN502
	HLN5504	CLL-504	-	-
	HLN5506	CLL-506	R556L	RLN506
	HLN5508	CLL-508	-	-
	HLN5510	CLL-5010	R5510L	RLN5010
	HLN5512	CLL-5012	-	-
	HLN10002	CLL-1002	R1002L	RLN1002

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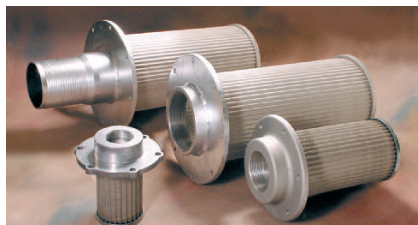
For comparison purposes only. Products are not identical.

FILTRATION, MANIFOLDS,

- Quality-Our products proudly made in the USA to last.
- Performance-Field tested and field proven.
- Delivery-When you order a Zinga product you receive it “on time”.

Strainers

- Max. 600 GPM
- Internal & External Mount
- With & Without Bypass Opt.



Spin-On Filters

- Max. 120 GPM
- Max. 500 PSI



Spin-On Filters Modular

- Tank Mounted
- Optional Built-In Diffuser
- Max. 160 GPM
- Max. 200 PSI



Filler Breathers

- To 3 μ Absolute
- Dipsticks & Baskets to 12”



Filter Cart



Pressure Filters



VALVES & ACCESSORIES

- Cost Effective-Quality and performance at a competitive price.
- Registered to the requirements of the ISO9001:2000 standard.



Manifolds

Designed & Built to
Your Specifications &
Circuit Requirements.



DF-15 Over & Under Double Element

- Max. 120 GPM
- Max. 200 PSI



Gauges

- Pressure / Vacuum
- Up to 10,000 PSI
- Standard & Liquid Filled
- 3", 5", 10" Sight Level
- w /wo Guard & Thermometer



Tank Cover Assemblies

With & Without Breathers,
Filters, and / or Auxiliary Ports.

Tank-Top Filters



HYDRO-POWER IN ACTION



CUSTOM PROJECTS

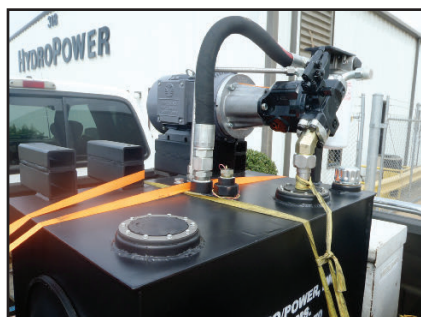
Motor Drives



Mobile Systems



Power Units Built & Delivered



Complete or Partial Wet Kits



SYSTEM REWORKS

Before



After



ABOUT HYDRO-POWER

Professional Fluid Power Solutions in Mississippi

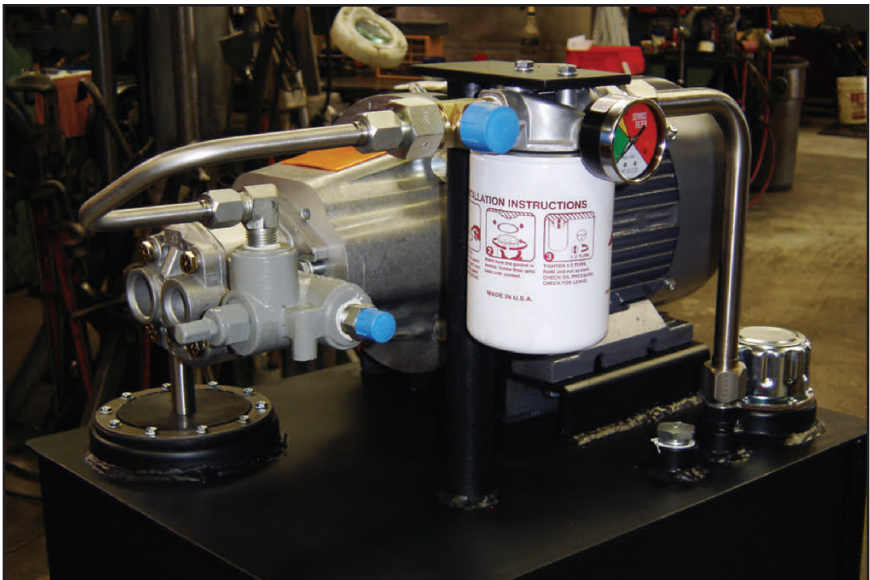
Hydro/Power Mississippi has become recognized across the Mid South as an excellent source for help in providing fluid power solutions of all types.

We service almost all major hydraulic equipment with professionalism and reliability. We have an extensive on-site inventory that represents most major manufacturers. We also manufacture hose assemblies and test our repairs for performance to specifications by simulating workloads using hydraulic bench testing.

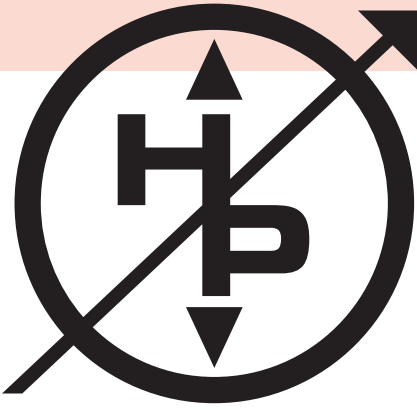
Our "you call/we fix it" attitude goes a long way with our customers and our drug-free work place ensures safe, focused, quality work for all of our customers. We believe in consistency and dependability in our work and in our products. Plus, we always have the experience and the right tools for the job.

Whether you require a complete system design, power unit service, repairs, field service, or preventative maintenance, we invite you to call on us to reliably serve your hydraulic needs as we have for others for over 20 years.

Sincerely,
McCoy Hamilton



CONTACT US



HYDRO/POWER of MISSISSIPPI

318 Airport Rd.
Pearl, MS 39208

LOCATED:

(Between I-20 and Hwy 80)

Want To Speak To Someone Call

Local: 601.939.6970

Toll Free: 800.898.0608

E-mail: info@hydropowerms.com

Visit: www.hydropowerms.com



24/7 Professional Fluid Power Service | Free Estimates | Emergency Repairs

If you have an emergency or urgent repair outside of regular business hours, please contact our after hours or emergency numbers.

(601) 939-6995 After Hours

(601) 594-9365 Emergency Number 1

(601) 594-9367 Emergency Number 2

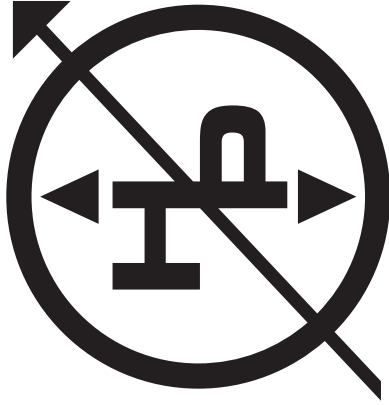
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www.hydropowerms.com

Hydro/Power Mississippi
318 Airport Rd.
Pearl, MS 39208

Postage
Required



HYDRO-POWER