

February 2008

PUMP

Buyers' Guides

Welcome to *National Driller's Pump Buyers' Guides*.

On the following pages (68 - 74), you'll find nearly two dozen water well pump companies featured in the Well Pump Buyers' Guide. Six categories of water well pumps are represented here: shallow well and deep well pumps, the popular submersible pumps, submersible turbine and vertical turbine pumps, and centrifugal pumps. Whether you simply want to know what's available on the market, or whether you're looking for a pump in a particular size and flow range, the Well Pump Buyer's Guide is organized in a format that allows for easy comparison. And should you have any questions, the listings that conclude this Guide will head you in the right direction.

What's more, knowing pumps are essential to drilling projects long before the well pump installation phase, we have expanded our pump coverage to include mud-pumping equipment. Starting on page 75, you'll find the Mud Pump Buyers' Guide. These manufacturers and suppliers provided their contact information, as well as general information regarding product lines, including a more-in-depth look at specific products in their respective offerings.

We're confident that you'll find these Guides useful, and hope they serve you well when making your next pump purchase.

Company	A.Y. McDonald Mfg.	Aermotor/Pentair Water	BERKELEY/Pentair Water
Shallow Well Jet Pumps			
Types offered	Cast iron	Cast iron/engineered composite	Cast iron, engineered composite
HP range	½ HP - 1½ HP	½ HP - 1 HP	½ HP - 1½ HP
Most popular series	Cast iron	FH Series	ProJet Series
Construction materials in contact with fluid		Cast iron, stn. steel, eng. composites	Cast iron, stn. steel, eng. composites
Most popular pump in this series	8500	FH50	10HN
HP	1 HP	½ HP	1 HP
Capacity (gpm) at 15 ft. of lift and 50 psi discharge pressure	11 gpm	6 gpm	11 gpm
Deep Well Jet Pumps			
Types offered	Cast iron	Horizontal and vertical	Horizontal and vertical
HP range	½ HP - 1½ HP	½ HP - 2 HP	½ HP - 1½ HP
Most popular series	Cast iron	HNAS Series	ProJet Series
Construction materials in contact with fluid		Cast iron, engineered composites	Cast iron, engineered composites
Most popular pump in this series	8600	HNAS-50	10MS
HP	1 HP	½ HP	1 HP
Capacity (gpm) at 50 ft. of lift and 50 psi discharge pressure	12 gpm	5.8 gpm	12 gpm
Submersible Pumps			
Types offered	Stainless, steel, silicon bronze, plastic	4-inch, 6-inch sleeved	4-inch, 6-inch sleeved
HP range	½ HP - 10 HP	½ HP - 60 HP	½ HP - 40 HP
Flow range	5 gpm - 90 gpm	8 gpm - 300 gpm	5 gpm - 300 gpm
Most popular series	23000	"S" Series	Signature 2000
Construction materials in contact with fluid		Stn. steel, engineered composites	Stn. steel, engineered composites
Most Popular pump in this series			
Model	23050K3	S12-50	10P4C02MGS
HP	½ HP	½ HP	½ HP
Norminal pump diameter	4 inches	4 inches	4 inches
Nominal flow rate	10 gpm	12 gpm	10 gpm
Number of stages	9	8	6
Shut-off pressure (psi or ft. of head)	261 feet	275 feet of head	110 psi
Max. flow (gpm)	17 gpm	15 gpm	15 gpm
Submersible Turbine Pumps			
Types offered	Stainless steel	6-inch stainless steel	6-inch stainless steel
HP range	2 HP - 60 HP	2 HP - 60 HP	1½ HP - 200 HP
Flow range	90 gpm - 300 gpm	75 gpm - 300 gpm	75 gpm - 1,750 gpm
Most popular series	150S		
Construction materials in contact with fluid			
Most Popular pump in this series	150S15HP66		115 gpm - 200 gpm pumps
HP	15 HP		3 HP - 50 HP
Norminal pump diameter	6 inches	6 inches	6 inches
Nominal flow rate	150 gpm	Varies	Varies
Number of stages	8	Varies	Varies
Shut-off pressure (psi or ft. of head)	430 feet		1,400 feet TDH
Max. flow (gpm)	225 gpm		200 gpm
Vertical Turbine Pumps			
Types offered	Cast iron		
Sizes offered	90 HP - 1,000 HP		
Flow range	1½ gpm - 100 gpm		
Most popular series	260 gpm		
Construction materials in contact with fluid			
Most Popular pump in this series	260G		
HP	15 HP		
Norminal pump diameter	6 inches		
Nominal flow rate	260 gpm		
Number of stages	5		
Shut-off pressure (psi or ft. of head)	258 feet		
Max. flow (gpm)	400 gpm		
Centrifugal Pumps (including boosters)			
Types offered (end-suction centrifugal, self priming, multi-stage, high-pressure booster, etc.)	High-pressure super booster, multi-stage, self-priming, end suction	End-suction centrifugal, self-priming, multi-stage, high-pressure booster	End-suction centrifugal, self-priming, multi-stage, high-pressure booster
HP range	½ HP - 5 HP	½ HP - 3 HP	½ HP - 200 HP
Flow range	1 gpm - 170 gpm	5 gpm - 30 gpm	5 gpm - 5,500 gpm
Most popular type	Multi-stage	CT Series	Close-coupled electric-drive
Construction materials in contact with fluid		Cast iron, stainless steel, engineered composite	Cast iron, stainless steel, engineered composite
Most Popular pump in this series	15075HS18	CT35	B-Series
HP	¾ HP	1 HP	Varies
Nominal flow rate		35 gpm	Varies
Number of stages	3	1	1
Shut-off pressure (psi or ft. of head)		115 TDH	Varies
Max. flow (gpm)	24 gpm	50 gpm	Varies
Suction diameter	1¼ inches	1¼ inches NPT	Varies
Discharge diameter	1 inch	1 inch NPT	Varies

BJM Pumps	Flint & Walling Inc.	Flowserve Pump Division	Franklin Electric	Goulds Pumps/ITT Industries
	Horizontal, cast iron		Plastic, cast iron	Cast iron
	½ HP - 1½ HP		½ HP - 1½ HP	½ HP - 1½ HP
	Cast iron		VersaJet	JS Plus
	Cast iron		Plastic, cast iron	Stainless steel, plastic, cast iron
	Model CPJ05S		VersaJet	J5S
	½ HP		1 HP	
	7.7 gpm			
	Horizontal, vertical cast iron		Cast iron	Cast iron - multi-stage and vertical
	½ HP - 2 HP		½ HP - 1½ HP	½ HP - 2 HP
	Cast iron		RM Series	HSV, SJ, VJ
	Cast iron		Cast iron, plastic	Plastic, cast iron, stainless steel
	Model CPJ10B		RM2	
	1 HP		¾ HP	
	9.5 gpm		9.5 gpm	
Stainless steel, cast iron, plastic, titanium	Stainless steel, cast iron, plastic	Cast iron, stainless steel	Plastic, stainless steel	4-inch, 6-inch stainless steel
0.15 HP - 30 HP	½ HP - 7½ HP	5 HP - 2,000 HP	½ HP - 10 HP	½ HP - 5 HP (4"); 3 HP - 40 HP (6")
20 gpm - 1,200 gpm	5 gpm - 85 gpm	0 - 20,000 gpm	5 gpm - 90 gpm	5 gpm - 80 gpm
KZN-SLURRY	Stainless steel	Pleuger and Byron Jackson	Stainless steel series	GS
Cast iron, high chrome	Stainless steel, cast iron, plastic	Stainless steel, cast iron, bronze	Plastic, stainless steel	Plastic, stainless steel
KZN-SLURRY-55	10 gpm		10 gpm	
KZN 55	4F10S05305		Various	
7.5 HP	½ HP		½ HP	
20 inches	4 inches		Less than 4 inches	
350 gpm	10 gpm		10 gpm	
1	8		8	
58 feet	250 feet		245	
600 gpm	14.7 gpm		13 gpm	
	6-inch cast iron		Cast iron for 6-, 8-inch wells	Cast iron, stainless steel
	5 HP - 50 HP		7½ HP - 125 HP	5 HP - 150 HP
	80 gpm - 350 gpm		90 gpm - 700 gpm	50 gpm - 1,600 gpm
			6-inch series	
	Cast iron		Ductile iron w/stainless steel impellers	Stainless steel; cast iron, silicon bronze
	6P080A07		S6140-8	
	7½ HP		20 HP	
	6 inches		Less than 6 inches	5 inches - 10 inches
	80 gpm		140 gpm	
	6		8	
	400 feet		750	
	130 gpm		230 gpm	
		Water lube, oil lube		
		6 inches to 55 inches		
		0 - 60,000 gpm		
		Cast iron, bronze		
		Cast iron, bronze, stainless steel		
	End-suction, self-priming, multi-stage, high-pressure booster	End suction, self-priming, horizontal, split case	End-suction, self-priming, and high-pressure booster pumps	End-suction centrifugal, self-priming, multi-stage, high-pressure booster
	½ HP - 3½ HP	up to 3,500 HP	½ HP - 200 HP	
	5 gpm - 425 gpm	0 - 50,000 gpm	20 gpm - 6,000 gpm	Up to 5,000 gpm
	End-suction centrifugal	Split case	End-suction centrifugal	3656
	Cast iron, stainless steel	Stainless steel, cast iron, bronze	Cast iron	Cast iron, silicon bronze
	Cast iron		DAIA	
	2 HP		1 HP	
	50 gpm		40 gpm	
	2		1	
	162 feet		100	
	50 gpm		44 gpm	
	1½ inches		1¼ inches	
	1¼ inches		1 inch	



Company	Grundfos Pump Corp.	Lancaster Pump	Morris Industries Inc.
Shallow Well Jet Pumps			
Types offered	JPF Cast iron, JPS Stainless steel	Cast iron	
HP range	½ HP - 1½ HP	½ HP - 2 HP	
Most popular series	JPF	Keystone convertible	
Construction materials in contact with fluid	Cast iron, stainless steel	Cast iron, plastic, stainless steel	
Most popular pump in this series	JPF7A	1-SKC50	
HP	2 HP	½ HP	
Capacity (gpm) at 15 ft. of lift and 50 psi discharge pressure	17.5 gpm	5 gpm	
Deep Well Jet Pumps			
Types offered	JDF	Cast iron	
HP range	½ HP - ¾ HP	½ HP - 2 HP	
Most popular series	JDF	Keystone convertible	
Construction materials in contact with fluid	Cast iron	Cast iron, plastic, stainless steel	
Most popular pump in this series	JDF4A	1-SKC75	
HP	¾ HP	¾ HP	
Capacity (gpm) at 50 ft. of lift and 50 psi discharge pressure	1.5 gpm	2.5 gpm	
Submersible Pumps			
Types offered	SQ, SQE, SP 4-, 6-, 8-, 10-inch, SQ Flex	Stainless steel, plastic	Plastic
HP range	⅓ HP - 250 HP	½ HP - 7½ HP	⅓ HP - 1 HP
Flow range	5 gpm - 1,100 gpm	5 gpm - 90 gpm	2 gpm - 18 gpm
Most popular series	SQE	Survivor stainless	Plastic
Construction materials in contact with fluid	Stainless steel, thermoplastic	Stainless steel, plastic	Plastic, stainless steel
Most Popular pump in this series	22 SQE 15-220	ST	½ HP, 10 gpm
Model	22 SQE 15-220	2-2ST5007-2	S50FM2-10-2
HP	1½ HP	½ HP	½ HP
Norminal pump diameter	3 inches	4 inches	4 inches
Nominal flow rate	22 gpm	10 gpm	10
Number of stages		7	9
Shut-off pressure (psi or ft. of head)	220 feet of head	240 feet of head	268 feet
Max. flow (gpm)	33 gpm	16 gpm	16 gpm
Submersible Turbine Pumps			
Types offered			
HP range			
Flow range			
Most popular series			
Construction materials in contact with fluid			
Most Popular pump in this series			
HP			
Norminal pump diameter			
Nominal flow rate			
Number of stages			
Shut-off pressure (psi or ft. of head)			
Max. flow (gpm)			
Vertical Turbine Pumps			
Types offered			
Sizes offered			
Flow range			
Most popular series			
Construction materials in contact with fluid			
Most Popular pump in this series			
HP			
Norminal pump diameter			
Nominal flow rate			
Number of stages			
Shut-off pressure (psi or ft. of head)			
Max. flow (gpm)			
Centrifugal Pumps (including boosters)			
Types offered (end-suction centrifugal, self priming, multi-stage, high-pressure booster, etc.)	MQ, end-suction, self-priming, high-pressure booster	End-suction centrifugal, self-priming, multi-stage booster	
HP range	¾ HP, 1 HP	½ HP - 50 HP	
Flow range	0 - 22 gpm	5 gpm - 650 gpm	
Most popular type	MQ 3-45	End-suction centrifugal	
Construction materials in contact with fluid	Plastic polymer	Cast iron, bronze, plastic, stainless steel	
Most Popular pump in this series	MQ 3-45	3-903B-1	
HP	1 HP	½ HP	
Nominal flow rate	10 gpm - 12 gpm	30 gpm	
Number of stages	3	1	
Shut-off pressure (psi or ft. of head)	60 psi	64 feet of head	
Max. flow (gpm)	18 gpm	48 gpm	
Suction diameter	1¼ inches	1¼ NPT	
Discharge diameter	1¼ inches	1 NPT	

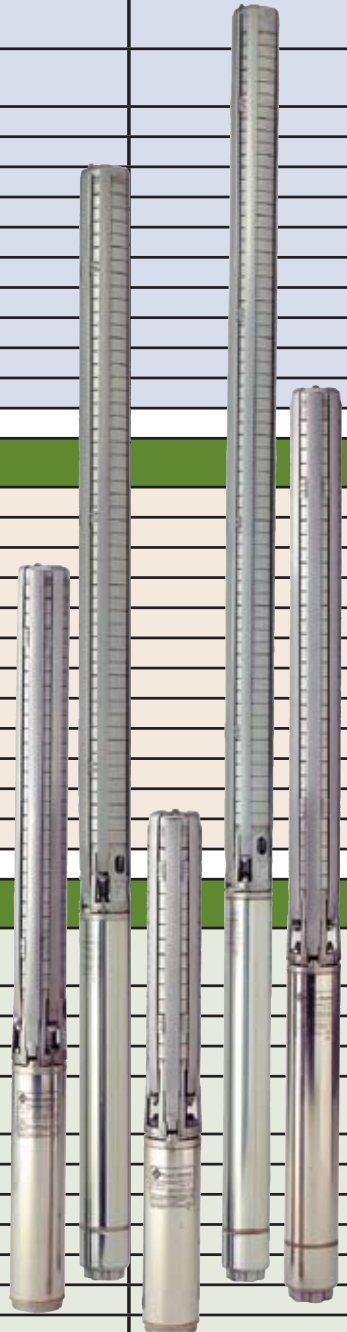


Myers/Pentair Water	National Pump Co.	Pompcoc Inc.	Robbco Pumps Inc.	Rovatti A. & Figli Pompe SPA
Cast iron, engineered composite	Cast iron, plastic, bronze	One		
½ HP - 1 HP	½ HP - 1½ HP	½ HP - 1 HP		
HR Series	SW100	Piston and PSW		
Cast iron, stn. steel, engineered composites	Cast iron, plastic, bronze	Plastic, cast iron		
HR50S	SW100	PSW-50		
½ HP	1 HP	½ HP		
3.5 gpm	30 gpm	4.5 gpm		
Horizontal and vertical	Cast iron, plastic, bronze	Two		
½ HP - 1 HP	¾ HP - 2 HP	½ HP - 1 HP		
HJ Series	MSV100	½ HP		
Cast iron, engineered composites	Cast iron, plastic, bronze	Plastic, cast iron		
HJ100D	MSV100	MJ-50		
1 HP	1 HP	½ HP		
12 gpm	10 gpm	1.8 gpm		
4-inch and 6-inch sleeved	Plastic, stainless steel	Three (all 4-in. subs)		
½ HP - 25 HP	½ HP - 10 HP	½ HP - 5 HP		
5 gpm - 140 gpm	100 gpm	5 gpm - 80 gpm		
Rustler Series	Stainless steel	Stainless steel		
Stn. steel, engineered composites	Stainless steel, plastic	Plastic and stainless steel		
2NFL52-12	SS18K	St 12-50-233		
½ HP	1 HP	½ HP		
4 inches	4 inches	4 inches		
12 gpm	18 gpm	12 gpm		
7	11	8		
248 feet of head	300 feet of head	280 feet of head		
15 gpm	28 gpm	16 gpm		
6-inch	Cast iron, bronze		Cast iron, bronze, stainless steel	Cast iron, stainless bonze and plastic
1½ HP - 60 HP	5 HP - 1,000 HP		½ HP - 300 HP	½ HP - 340 HP
75 gpm - 500 gpm	100 gpm - 12,500 gpm		50 gpm - 5,000 gpm	0.2 m3/h to 540 m3/h
	S6/S8		5-, 6-, 7-inch cast iron w/bronze impellers	8 EN
	Cast iron, bronze, stainless steel		Stainless steel, cast iron, bronze	Cast iron, bronze, stainless steel
	200 gpm		5LHE	8E3N/9L-875
	30 HP		15 HP	75 HP
6 inches	6 inches		5 inches	8 inches
Varies	150 gpm		150 gpm	480 gpm
Varies	7		4	9
	200 psi		344 feet of head	300 feet of head
	250 gpm		177 gpm	600 gpm
	Water lube, oil lube		Product lube, oil lube	Cast iron, stn. steel, bronze (mixed flow impeller)
	6 inches - 24 inches		4 inches - 16 inches	6 inches - 16 inches
	100 gpm - 12,500 gpm		40 gpm - 5,000 gpm	0 - 1,200 m3/h
	11-inch water lube		Oil lube	8V
	Cast iron, bronze		Stainless steel, cast iron, bronze	Cast iron, bronze, stainless steel
	J11		11CHE	8V35 N
	75 HP		90 HP	75 HP
	11 inches		11 inches	8 inches
	700 gpm		850 gpm	480 gpm
	5		5	8
	225 psi		400 feet of head	170 feet of head
	1,000 gpm		1,300 gpm	600 gpm
End-suction centrifugal, self-priming, multi-stage, high-pressure booster	End-suction centrifugal, self-priming, booster	Self-priming and high-pressure booster		Cast iron (bronze impeller)
½ HP - 3 HP	10 HP	¾ HP - 2 HP: self-priming; ½ HP - 3 HP: booster		¾ HP - 450 HP
5 gpm - 30 gpm	300 gpm	8 gpm - 72 gpm; 5 gpm - 12 gpm		0 - 2,400 m3/h
CT Series	Self-priming	WGS, 12 gpm		SK Europa
Cast iron, stainless steel, engineered composite	Cast iron, bronze, plastic	Stainless steel, plastic		Cast iron, bronze
CT10	High-pressure booster	WGS, 12 gpm		83K80-90/6
1 HP	5 HP	½ HP		60 HP
35 gpm	150 gpm	12 gpm		300 gpm
1	1	8		6
105 TDH	160 feet of head	250 feet of head		325 feet of head
50 gpm	200 gpm	16 gpm		400 gpm
1¼ inches	3 inches	1¼ inches		3 inches
1 inch	2½ inches	1¼ inches		2½ inches



Company	Solar Water Technologies Inc.	STA-Rite/Pentair Water	Unitra Inc.
Shallow Well Jet Pumps			
Types offered		Cast iron, engineered composite	UNITRA
HP range		½ HP - 1½ HP	½ HP - 1½ HP
Most popular series		ProJet Series	SWJ
Construction materials in contact with fluid		Cast iron, stn. steel, engineered composites	Cast iron, plastic
Most popular pump in this series		HNE	SWJ-071
HP		1 HP	¾ HP
Capacity (gpm) at 15 ft. of lift and 50 psi discharge pressure		11 gpm	6.83
Deep Well Jet Pumps			
Types offered		Horizontal and vertical	
HP range		½ HP - 1½ HP	
Most popular series		ProJet Series	
Construction materials in contact with fluid		Cast iron, engineered composites	
Most popular pump in this series		MSE	
HP		1 HP	
Capacity (gpm) at 50 ft. of lift and 50 psi discharge pressure		12 gpm	
Submersible Pumps			
Types offered	Complete turn-key solar-powered pumping system	4-inch, 6-inch sleeved	SP - UP (4-, 6-, 8-inch)
HP range	⅓ HP - 1½ HP	½ HP - 40 HP	½ HP - 125 HP
Flow range	500 gpm - 50,000 gpm	5 gpm - 300 gpm	5 gpm -
Most popular series	RP Brushless and Grundfos SQ F	Signature 2000	SP and UP (4 in.)
Construction materials in contact with fluid	Plastic	Stainless steel, engineered composite	Stainless steel, plastic
Most Popular pump in this series	RP Brushless		4 inches
Model	Dual	10SP4C02H	
HP	½ HP	½ HP	
Norminal pump diameter	3½ inches	4 inches	
Nominal flow rate	2 gpm	10 gpm	
Number of stages	n/a	6	
Shut-off pressure (psi or ft. of head)	85 psi	110 psi	
Max. flow (gpm)	2½ gpm - 4 gpm	15 gpm	
Submersible Turbine Pumps			
Types offered		6-inch stainless steel	UNITRA
HP range		2 HP - 60 HP	5 HP - 200 HP
Flow range		75 gpm - 300 gpm	5 gpm - 1,000 gpm
Most popular series		6TS Series	300 gpm
Construction materials in contact with fluid			
Most Popular pump in this series		6TS140-15	
HP		15 HP	15 HP
Norminal pump diameter		6 inches	6 inches
Nominal flow rate		140 gpm	90 gpm
Number of stages		7	13
Shut-off pressure (psi or ft. of head)		420 TDH	700 feet of head
Max. flow (gpm)		170 gpm	110 gpm
Vertical Turbine Pumps			
Types offered			
Sizes offered			
Flow range			
Most popular series			
Construction materials in contact with fluid			
Most Popular pump in this series			
HP			
Norminal pump diameter			
Nominal flow rate			
Number of stages			
Shut-off pressure (psi or ft. of head)			
Max. flow (gpm)			
Centrifugal Pumps (including boosters)			
Types offered (end-suction centrifugal, self priming, multi-stage, high-pressure booster, etc.)		End-suction centrifugal, self-priming, multi-stage, high-pressure booster	EC, LSP
HP range		½ HP - 5 HP	½ HP - 125 HP
Flow range		5 gpm - 260 gpm	35 gpm
Most popular type		DS3 Series	EC
Construction materials in contact with fluid		Cast iron, stainless steel, engineered composite	Cast iron, plastic
Most Popular pump in this series		DS3HF	EC
HP		1½ HP	½ HP
Nominal flow rate		50 gpm	35 gpm
Number of stages		1	1
Shut-off pressure (psi or ft. of head)		125 TDH	80 feet
Max. flow (gpm)		75 gpm	35 gpm
Suction diameter		2 inches NPT	1¼ inches
Discharge diameter		1½ inches NPT	1 inch

Water Group Inc.	Well Pumps SA	WILO USA LLC	Wolf Pumps
Deep well, shallow well, convertible			
1/3 HP - 1 HP			
1/2 HP			
Plastic			
Convertible			
1/2 HP			
510			
4-, 6-inch			
1/2 HP - 40 HP			
1/2 HP, 10 gpm, 4-inch			
Plastic			
4SR10G/5			
1/2 HP			
10 gpm			
	Stainless steel (AISI 304 or AISI 316)	4-, 6-, 8-inch 304 and 316 stainless steel NR series	
	1/2 HP - 10 HP	1/3 HP - 200 HP	
	5 gpm - 85 gpm	5 gpm - 200 gpm	
	Stainless steel, AISI 304	Stainless steel	
	Stainless steel, (AISI 304 or AISI 316)	304 and 316 stainless steel	
	35 gpm	304 Series	
	WPS 35-12		
	3 HP		
	4 inches		
	35 gpm		
	12		
	360 feet		
	45 gpm		
		Water lube, NK, K, KD series 6-, 8-in. sub; K, KM, D, DM series bottom intake (13-, 16-in.-diameter)	5-, 6-, 7- and 8-inch models
		5 HP - 200 HP (NK, K & KD series) 40 HP - 600 HP (K, KM, D & DM series)	2 HP to 200 HP
		100 gpm - 4,000 gpm	50 gpm to 1,000 gpm
		Stainless steel, noryl, cast iron, bronze	6MMBV
			Cast iron, bronze, stainless steel
			6MMBV4.625-6C
			30 HP
			6.25 inches
			300 gpm
			6
			478 feet of head
			400 gpm
		Multi-stage, high-pressure booster	
		1/3 HP - 10 HP 2 gpm - 130 gpm	
		304 and 316 stainless steel	
		304 Series	



Well Pump Buyers' Guide

MANUFACTURERS / SUPPLIERS LISTINGS

A.Y. McDonald Mfg. Co.

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Dubuque, Iowa 52002
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www.aymcdonald.com

Aermotor/ Pentair Water

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800-230-1816
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www.aermotor.com

BERKELEY/ Pentair Water

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Flowserve Corp.

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410-756-2602
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Bluffton, Ind. 46714
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240 Fall St.
Seneca Falls, N.Y. 13148
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MUD PUMP BUYERS' GUIDE

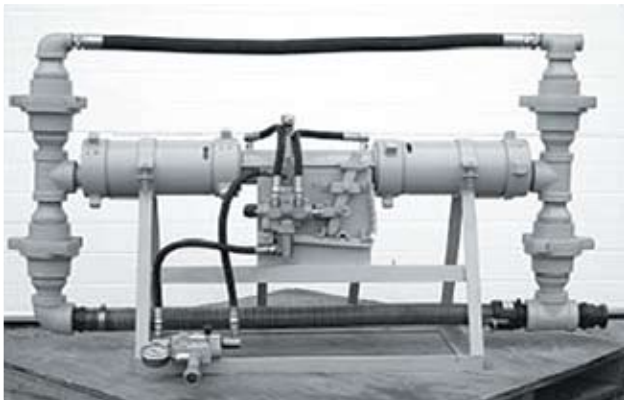
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201 SW 7th Street, Pocahontas, Iowa 50574
712-335-4131; 800-831-4527

• amci@armstrongmachine.com • www.armstrongmachine.com

Mud Pumps And More

Armstrong Machine Co. offers all brands of mud pump fluid end and gear end parts. In addition, the company supplies rebuilt mud pumps with or without power units, as well as manufactures obsolete parts. Hydraulic grout pumps, centrifugal pumps and parts, and new Gardner Denver pumps also are in stock; a hydraulically driven grout pump is shown here.



Centerline Manufacturing Co.

7355 East SH 154, Winnsboro, Texas 75494
903-725-6978

• cory@centerlinemanufacturing.com • www.centerlinemanufacturing.com

General product lines: Mud pumps

Piston Mud Pumps

Centerline piston mud pumps are light, compact and feature direct hydraulic drive. The three configurations of mono, duplex and triplex provide for varying drilling program needs. The 7.5-inch-by-10-inch mono (single-cylinder) hydraulic-drive piston pump is rated 180 gpm at up to 325 psi, and 150 gpm at up to 800 psi. The 7.5-inch-by-10-inch duplex hydraulic-drive piston pump is rated 300 gpm at up to 800 psi, while the 7.5-inch-by-10-inch triplex hydraulic-drive piston pump is rated 450 gpm at up to 800 psi.



ChemGrout Inc.

805 E. 31st Street, LaGrange Park, Ill. 60526
708-354-7112

• info@chemgrout.com • www.chemgrout.com

Variable-speed Piston Pump

ChemGrout's Rugged Series features a single-acting, variable-speed 3-inch piston pump that provides the versatility to handle polymer bentonites, cement and the latest in geothermal grouts. A 45-gallon mixing tank, large holding hopper and centrally located controls enable a single operator to mix, transfer and pump material continuously. This consistent "non-stop" flow virtually eliminates clogging of tremmie lines, helping to reduce maintenance and increase performance. The series is available on a skid or trailer, in a variety of power options.



CRUCIAL Inc.

42 Enterprise Drive, Gretna, La. 70056
504-347-9292

• info@crucialinc.com • www.crucialinc.com

General product lines: Pumps and oil spill recovery equipment

Pumps for All Applications

CRUCIAL offers Selwood's range of high-volume diesel-powered pumps with solids-handling capabilities. The Seltorque range of vortex pumps (4-, 6-, 8- and 12-in.) has auto-self-priming and dry-running ability. Some enclosed models are designed for applications in noise-sensitive areas with noise levels as low as 58db(A) at full-speed and load.



DeepRock Manufacturing Co.

2209 Anderson Road, Opelika, Ala. 36801-2296
334-749-3377; 800-633-8798

• commercial@deeprook.com; export@deeprook.com • www.deeprook.com

Trade name: Rupe mud pump

General product lines: Portable drilling rigs, mud pump

Positive-displacement Piston Mud Pump

The Rupe Pump is a positive-displacement piston mud pump. Powered directly by a hydraulic pump, the model shown is capable of 250 gpm up to 400 psi. Measuring 6 feet long, 1.5 feet wide and 2.5 feet tall, the weight of pump is approximately 1,000 pounds. There are no bull gears, no pinion gears, no belts, chains or hydraulic motors to maintain or repair. Mud chambers are 8-inch DOM, honed with 8 thousandths of chrome and requires no liners. Pumps currently have been retrofitted to many brands of drill rigs, as well as skids operating on six continents.



KEM-TRON Technologies Inc.

10404-B Cash Road, Stafford, Texas 77477
281-261-5778

• info@kemtron.com • www.kemtron.com

Solids Separation Equipment

KEM-TRON Technologies Inc., an ISO 9001 certified company, designs and manufactures solids separation equipment. KEM-TRON manufactures a complete line of products for a true closed-loop mud system. Equipment ranges from linear-motion shale shakers, mud cleaners, centrifugal pumps, degassers, hydrofoil agitators, jet shearing systems, centrifuges, dewatering units and complete unitized mud systems.



MUD PUMP BUYERS' GUIDE

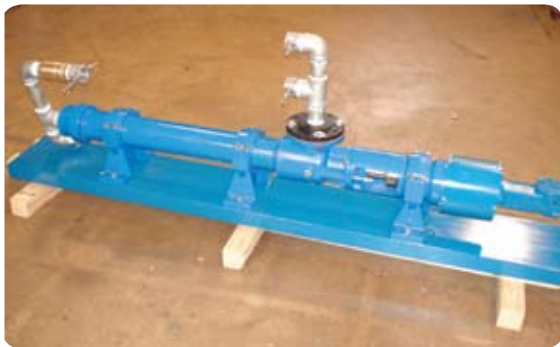
Liberty Process Equipment Inc.

2525 South Clearbrook Drive, Arlington Heights, Ill. 60005
847-640-7867 (24-hour service); 847-640-7855
• sales@libertyprocess.com • www.libertyprocess.com

Trade name: Liberty
General product line: Mud pump supplier

Mud Pumps and Spare Parts

Liberty Process offers a variety of mud pumps and spare parts for immediate delivery. Many pump sizes are available – from a fraction of a gallon up to 2,000 gpm, and at discharge pressures up to 700 psi. Liberty Process stocks and supplies mud pumps that are the classic “L-frame” pumps, and “Liberty” model series of pumps are built in the L-frame design. The company stocks pumps and parts in Liberty sizes 3LL4, 3LL6, 3LL8, 3LL10 and 3LL12, which typically are used for truck-mounted mud pump applications up to 225 psi discharge pressure. These pumps come complete with hydraulic motors mounted on the pumps to provide a ready-to-use, truck-mounted, mud pump.



National Oilwell Varco – Mission Products

11300 Windfern, Houston, Texas 77064
281-517-3100
• apm@nov.com • www.nov.com

Trade names: Mission Magnum; 2500 Supreme
General product lines: Centrifugal pumps, reciprocating pumps, mud pump parts, fluid end expendables

Centrifugal Pumps

National Oilwell Varco is the original designer and leading manufacturer of concentric-style centrifugal pumps. These Mission pumps feature thick, strong, concentric casings, heavy-duty power frames, wide impellers, increased re-circulation areas and tight tolerances. National Oilwell Varco further offers 24-hour parts availability, technical support, unitization services and a large, worldwide distributor network.



Power Zone Equipment Inc.

46920 County Road E, Center, Colo. 81125
719-754-1924; 719-754-1981

• powerzonebo@fone.net; pze@fone.net • www.powerzoneequipment.com

General product lines:
Pumps: Recip. plunger and piston, centrifugal, rotary positive, progressive cavity

Used Equipment for Sale or Rent

PowerZoneEquipment Inc. specializes in re-applying used equipment for sale or rent, and locating hard-to-find pumps and parts. It offers a full line of mechanical equipment for use in the water well drilling, mineral drilling, oilfield service industry, oil and gas production, and many other industries and applications. The company is armed with an inventory of several thousand pieces of equipment.



ProDrill Systems

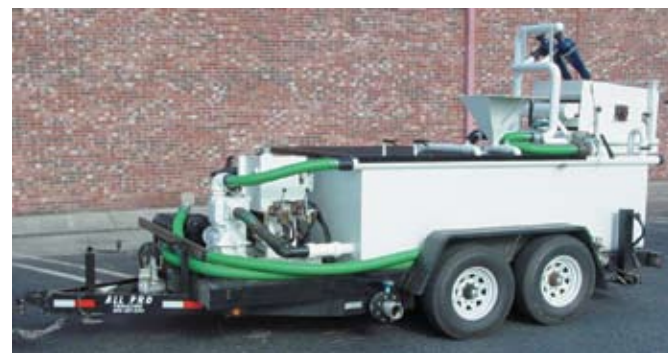
318 Parker Rd., Brunswick, Ga. 31525
912-265-1839

• rockbit8@hotmail.com • www.prodrillsystems.com

General product lines: Portable mud systems and components, shale shakers and desanders

Mud System

ProDrill Systems offers the MS 1000 mud system. The MS 1000 provides a 300-gpm scalping capacity and a 200-gpm desanding capacity. Featuring a 1,300-gallon system capacity, a John Deere engine and Gorman-Rupp pumps, this mud system is capable of separating more than 1 ton of dry cuttings an hour. Units are available for sale, lease or rent.



R. E. Rupe Co.

441 W. Keota St., Ottumwa, Iowa 52501
641-682-7029

• bob@rupepumps.com • http://rupepumps.com

Trade name: Rupe Pumps
General product lines: Mud pumps, grout pumps, high-pressure pressure piston pumps and grout machines

Mud and Grout Pumps

R. E. Rupe designed this style of pump in 1989 as a small grout pump, and shortly afterwards, designed larger mud pumps and high-pressure pumps for soil remediation work. All the pumps have the same basic design as a reciprocating piston pump with ball checks. The material chambers on all the pumps are industrial hard chrome-plated inside (not flash-chromed), which helps provide very long life on the chambers. The company has had thousands of the grout pumps in the field working since 1989, and mud pumps as reliable. Mud pumps are available from 20 gpm to 230 gpm, with pressures to 400 psi, and grout pumps to 2,000 psi.



Tibban Manufacturing Inc.

22371 Sioux Road, P.O. Box 2675, Apple Valley, Calif. 92307
760-669-7708

• kevin@tibban.com • www.tibban.com; www.mudpuppy.com

Trade names: SandGuzzler, Mudpuppy
General product line: Solids-control equipment

Pump Designed Specifically for Mud Systems

The Sandguzzler is a hydraulically driven submersible pump that mud drillers use to transfer mud and rock (up to 1½ in.) to a shaker. Designed specifically for mud systems, the T09-CI will lift 0 to 350 gpm, and the T11-AL will lift 0 to 500 gpm.

