They Specialize In Custom Hydraulics

Getting hydraulic power where it's needed is Don Haacke's business. His company, Responsible Fluid Power, builds stand-alone hydraulic power units of all sizes.

"We fabricate all the manifold and reservoir assemblies from scratch, with reservoirs ranging in size from 5 gallons to 2,000 gallons," says Haacke.

Haack will custom-build units that meet your needs. They also have standard units in production. With 30 years of experience and a fluid power engineer on staff, there isn't much they can't do. So far his smallest unit is a 4 1/2 hp system to raise and lower trailers. He has also built power units for portable posthole augers, flatbed winches and for use on the back of ATV's.

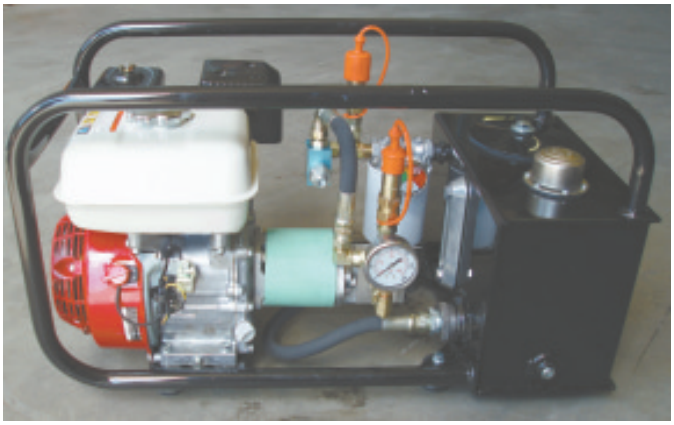
Stand-alone, self-contained units are available with 2 1/2 to 20 hp gas and diesel engines, with gear pump flow ranging from 6 gpm on up. They come with low oil engine shut down and a 15 to 20 amp charging system. Smaller units are available as grab-and-go units, while larger units mount on skids or anywhere they're needed, such as the tongue or nose of a trailer.

Haacke has standardized his valving options and gear pumps around Subaru engines. However, he will use whatever motor or pto-powered pump the customer prefers or has on hand.

"Just tell us what you need to do and how fast you want it to work," says Haacke. "Speed and force are the two questions to answer. Just tell us what you want, and we will build it for you."

Prices, he says, depend on the system design and options selected. A basic 4 1/2 hp system is priced under $1,000; a 13 1/2 hp unit runs around $5,000. He can make systems with wired and wireless remote controls.

"When you get into radio remote control and variable speed options, that alone can add $1,000 to the cost of a unit," says Haacke. "What our customer gets is a completely assembled and fully tested system. If your're close by our plant, we even deliver it with oil in it, ready to go."



Responsible Fluid Power custom builds stand-alone hydraulic power units of all sizes.

Contact: FARM SHOW Followup, Responsible Fluid Power, 27075 Mueller Place, Sioux Falls, S. Dak. 57108 (ph 605 368-2300; fax 605 368-2333; dch@responsiblefluidpower.com; www.responsiblefluidpower.com).

Clear View Caps For Quad Tracs

Thanks to the patent-pending "Kile Clear View Caps," owners of Case IH STX and 9300 Quad Trac tractors can now easily see at a glance the level and clarity of the oil in their idlers and rollers. This makes it simpler to ensure proper oil levels are maintained.

According to inventor Ron Kile of Rosalia, Wash., this injection-molded product is made from scratch resistant, UV-protected plastic, which is also able to withstand extreme temperatures and high impact without breakage.

"To help operators of other tractor brands, we're currently tooling up to make Clear View Caps for the Agco Challenger and Deere track tractors," says Kile.

"Kile Clear View Caps come with a 5-year pro-rated warranty. Each Quad Trac kit contains 16 idler and 24 roller caps with installation instructions. The suggested retail price for the STX kit is $549 plus S&H, and the 9300 Series kit is $749 plus S&H. Individual caps can also be purchased. Current prices can always be viewed on Kile's website.

"This is a dealer item and we've made them available to dealers first," he says. "We're continually adding new dealers to our dealer list. Contact us for brochures and more information."

"Kile Clear View Caps" are designed for Case IH STX and 9300 Quad Trac tractors. They let you see at a glance the level and clarity of the oil in idlers and rollers.

Contact: FARM SHOW Followup, Kile Machine & Manufacturing, Inc., 401 Squires Road, Rosalia, Wash. 99170 (ph 509 569-3814; fax 509 569-3363; info@kilemfg.com; www.kilemfg.com).

Self-Propelled Irrigation "Pipe Hauler"

"My home-built, self-propelled pipe hauler makes it easier for one person to load and unload 40-ft. lengths of 3-in. dia. irrigation pipe," says Dennis Wirt, Redmond, Oregon, who recently sent FARM SHOW photos of his one-of-a-kind rig.

The 3-wheeled machine is designed to hold up to 18 lengths of pipe in three separate racks. The operator sits in a sideways-facing seat and uses a pair of remote-controlled electric winches to load and unload the pipe. One winch is used to raise and lower the pipe, and the other to move the pipe sideways to clear the racks.

Power is provided by a 4-cyl. carbureted engine and automatic transmission off a 1985 Toyota car. The seat and steering column also came from the car. The engine chain-drives the rig's two rear wheels via a 4:1 reduction gear chain drive.

Wirt uses the machine on his 8-acre irrigated alfalfa field.

"I built it because I'm in my late 60's and wanted an easier way to move pipe. It eliminates the need for another person and for a tractor and wagon to haul pipe," says Wirt.

"I consider myself a backyard engineer, but this is one of the funnest things I've built in a long time. I had to rebuild it several times. What it looks like now is a far cry from when I started building it."

His irrigation system consists of the long sections of pipe, which hook up to risers connected to a buried main line. Each pipe is equipped with a sprinkler, as well as a quick connector for hooking the pipes up to each other.

When it's time to bale hay, Wirt uses the machine to remove the pipe from the field and haul it to a storage area at the edge of the field. "I pick up the pipe in the field one at a time, either by hand or using the winch. Once I have 18 pipes loaded onto the machine I drive it to the storage area and use the winch to unload six pipes at a time onto homemade racks."

Wirt had been loading and unloading the pipes by hand onto a wagon. "It's no fun to carry a 40-ft. pipe that weighs 50 lbs. while walking through tall hay. Now I start at one end of the field with the machine straddling the pipe, and place the first pipe in the rack either by hand or by using the winch. Then I get back on the machine, drive 40 ft. to the center of the next pipe.

"Not only does my pipe hauler eliminate a lot of walking, it also knocks over less hay because a tractor and wagon has at least six wheels."

The distance between the machine's front wheel and the two rear wheels is 15 ft.There's a 7 1/2-ft. hinged extension at each end of the machine to carry the pipe, which leaves 5 ft. of pipe hanging out at each end. The extensions can be manually folded in for transport on a tilt-bed trailer.

Wirt built the storage racks by drilling holes in some wooden 4 by 6's and installing vertical lengths of conduit in them. Each storage rack can hold up to six pipes.

"The entire project took me about three months of design and build time," says Wirt. "I kept track of everything I bought to build it and spent a total of $2,736.73. If anyone is interested I have plans and photos."

Contact: FARM SHOW Followup, Dennis Wirt, 8414 S.W. 61st St., Redmond, Oregon 97756 (ph 541 330-6737; ats1@coinet.com).

Dennis Wirt's home-built, self-propelled pipe hauler makes it easier for one person to load and unload 40-ft. lengths of 3-in. dia. irrigation pipe.

Operator sits in a sideways-facing seat and uses a pair of remote-controlled electric winches to load and unload pipe.