

WellHose

DIY Drop Pipe

Installation MANUAL

HoseSolutions Inc

The logo for HoseSolutions Inc features a stylized blue hose that curves upwards and then downwards, resembling a large letter 'S'.

INTRODUCTION



Hose Solutions Inc is part of a history dating back to the late 1800's. This pedigree follows a family line in the specialised art of weaving, an integral and critical part in the manufacture of the specialised hoses the company focuses on today.

The manufacture of these hoses is a product of the materials and manufacturing techniques developed over the centuries. The company has remained at the leading edge of these developments and has led the world in the manufacture of specialised hoses for a variety of applications.

Working very closely with suppliers and customers to form long-term and strategic relationships, the company has today become an international symbol of innovation, quality and responsiveness.



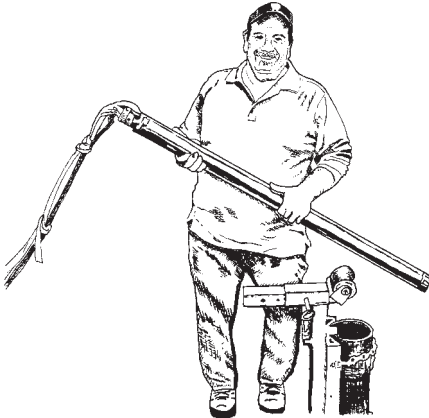
PRODUCT

WellHose DIY Drop Pipe

WellHose DIY Drop Pipe is designed to replace the PVC or Polypipe used with submersible pumps.

Installing your pump on **WellHose** is very simple and you can **Do It Yourself**.

WellHose is ideal for small or remote wells because you can now install and retrieve your own submersible pump. **WellHose DIY Drop Pipe** is available in diameters from 1” through 4” and it is very easy to transport and handle.



PREPARATION

INSTALLING A PUMP ON WELLHOSE

Congratulations on your **WellHose DIY Drop Pipe** purchase. Installing a pump on **WellHose** is a simple and safe, three-step process.

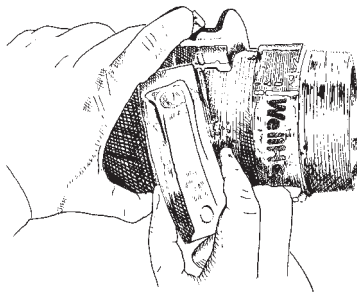
Step 1: *Connect the **WellHose** to the pump using the Double Ring, patented **WellHose** fittings.*

Step 2: *Attach the power cable along the length of the **WellHose** using the re-usable Cable Straps.*

Step 3: *Lower the pump into the well.*

Step 1: Connecting The Fittings

The **WellHose** fittings have been specifically designed to support the weight and pressure of a pump set down in a well. They are manufactured of glass-reinforced polymer and consist of a double-ring assembly that grip the hose allowing no movement.

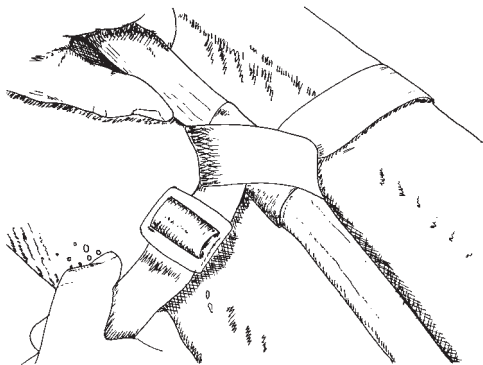


PREPARATION

Step 2: Attaching The Power Cable

The **WellHose DIY Drop Pipe** has a special rib running along the length of the hose. Re-usable Cable Straps are attached in a clove-hitch manner to support the power cable along the entire length.

5% extra power cable is attached to accommodate the elongation of the **WellHose** during operation.

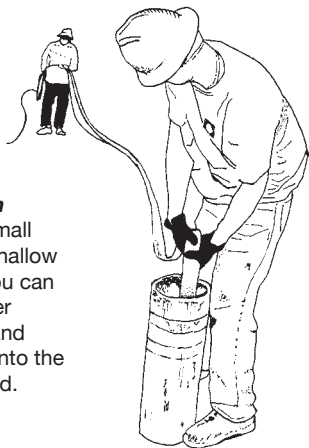


Step 3: Installing The Pump

WellHose DIY Drop Pipe is available in one, continuous length making the installation of the pump quick, easy and safe.

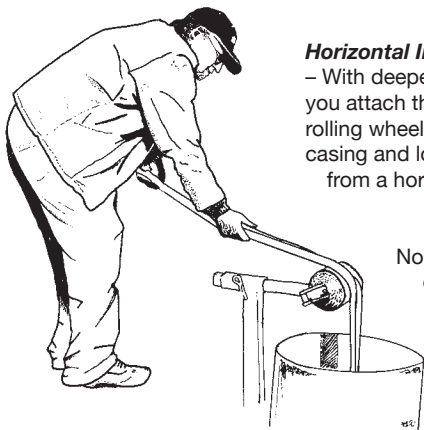
Once you have connected the pump to the **WellHose**, you are ready for the installation.

INSTALLATION



Hand Installation

– For the small diameter, shallow settings, you can simply lower the pump and **WellHose** into the well by hand.



Horizontal Installation

– With deeper installations, you attach the supplied rolling wheel to the well casing and lower the pump from a horizontal position.

No special equipment is needed for either installation.

SPECIFICATIONS

NORMAL SIZE	1"	1.25"	1.5"	2"	2.5"	3"	4"
DIAMETER OF WELLHOSE	25 mm	32 mm	40 mm	50 mm	65 mm	76 mm	102 mm
MAX DEPTH SETTING	300 ft 90 m	300 ft 90 m	250 ft 75 m	200 ft 60 m	200 ft 60 m	150 ft 45 m	150 ft 45 m
WEIGHT OF WELLHOSE	0.14 lb/ft 0.20 kg/m	0.17 lb/ft 0.26 kg/m	0.20 lb/ft 0.32 kg/m	0.34 lb/ft 0.53 kg/m	0.53 lb/ft 0.82 kg/m	0.60 lb/ft 0.94 kg/m	0.86 lb/ft 1.35 kg/m
WEIGHT OF WATER	0.4 lb/ft 0.6 kg/m	0.9 lb/ft 1.3 kg/m	1.4 lb/ft 2.0 kg/m	1.6 lb/ft 3.0 kg/m	2.6 lb/ft 4.0 kg/m	3.5 lb/ft 6.0 kg/m	6.2 lb/ft 10 kg/m
FITTING BOLT TORQUE	10 Nm/ 8 ft lbs	10 Nm/ 8 ft lbs	10 Nm/ 8 ft lbs	12 Nm/ 9 ft lbs	20 Nm/ 15 ft lbs	25 Nm/ 18 ft lbs	25 Nm/ 19 ft lbs

Our policy of continuous improvement can result in changes to specifications without prior notice. This product is not for use with contaminated water without prior written approval.

TESTIMONIALS

*"We chose the **WellHose** product for our shallow wells (80' depth) because of the long term benefits – decreased head loss and no corrosion. Our previous steel column pipes were on the verge of falling apart. Instead of replacing the column pipes with galvanized steel, we went with WellHose, at a lower price! The installation was very simple and not labor intensive, and to-date we have not experienced any issues. Should the submersible pumps experience issues, we expect that pump removal/reinstall will be more economical than if we had stuck with steel column pipes!"*

Max Bricker • J.G. Boswell Co.

"It has been a while since we installed the new well equipment. Everything has been running great so far. You went above and beyond helping and teaching me. I appreciate all your help with the install and acquiring the additional equipment. As a whole it went very smooth. We dropped 300' of 1.25" hose with a 3hp pump by hand!"

Josh Lewis – Arizona

"As you might expect with the drought my pumps have been going non-stop since spring. One pump (set at 250 feet depth) recently had an electrical problem, of course, on a weekend. With the help of my wife, we had it out, repaired and running again in two hours. You can't do that with any other kind of pipe!"

Bob Puls - California

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Supplied By:

9419 E. San Salvador Drive • Scottsdale, AZ 85258 USA
+1 (480) 607-1507
Sales@HoseSolutions.com • HoseSolutions.com