

**KOBUS**  
**PIPE PULLER**  
**KPP400 SERIES**

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**THE PROOF IS IN THE PULLING**

# THE PROBLEM

Across the USA and Canada, there are millions of ageing water and gas service pipes in need of replacement but it's expensive, time consuming and disruptive. Poor water quality created by lead leaching into drinking water supplies from old lead pipes is a major problem for many cities and States, with the total number of lead pipe service laterals needing replacement estimated at between 7-10 million. Records are poor in many cases, so the actual number is unknown, but at the current rates of replacement the problem of lead contamination of drinking water supplies is going to continue for many decades.

Add to this, the need to replace ageing copper water service pipes and steel gas service pipe, and the issue of maintaining essential gas and water supplies to homes throughout North America and Canada is huge. It is critical that the utility industries utilize innovation to resolve these problems. New techniques such as the new Kobus Pipe Puller are valuable tools to achieve faster, cheaper and safer results.



For more information please visit:  
[kobus-inc.com](http://kobus-inc.com)







## FEATURES

The Pipe Puller has some innovative features to make the job quicker and easier:

- > **Two powerful hydraulic motors capable of delivering a massive 60,000lbs of pulling force, ensuring the vast majority of old underground pipes are removed quickly and efficiently**
- > **Rotatable foot section - 360 degrees rotating foot allows excavator to be positioned in optimum place for access and safety, and to minimize traffic disruption**
- > **Unique spool design - male and female halves with specially design helix thread allows easy separation to remove old coiled pipe from spool after extraction**

## APPLICATIONS

The Kobus Pipe Puller is versatile and is ideal for replacing water and gas service pipes.

- > **Replaces lead, copper, steel, polyethylene pipes including combinations of different pipe materials with fittings**
- > **Up to 85 feet in length in a single pull**
- > **Diameters from ½" to 1 ¼" OD**
- > **Replaces with new copper or polyethylene (PE) pipe up to 1 ¼" (32mm) OD**
- > **Suitable in most ground conditions including clay,**

## PROVEN

The Kobus Pipe Puller has been in operation for several years in the UK, and has been proven for USA/Canada applications through thousands of successful replacements across numerous States, using high quality components to make it almost maintenance free.



**ASSEMBLED IN THE USA**



**DESIGNED IN THE UK**



## KOBUS PIPE PULLER KPP400

Kobus offers a fast, low cost technique that reduces disruption, removes the old decommissioned pipe, minimizes the risk of damaging surrounding utilities, and is safer than other methods.

It is ideal for water and gas service laterals and is capable of replacing lead, copper, steel and polyethylene pipes up to 85 feet in length in a single pull. The KPP400 mounts on a compact excavator, typically 35/45 series, and is driven off its auxiliary hydraulics.

- ✔ EASE OF MOVING AROUND SITE
- ✔ PROVIDES SAFE ACCESS TO DEPTHS BETWEEN 3 TO 15+ FEET
- ✔ MINIMIZES MANUAL HANDLING OF HEAVY COMPONENTS
- ✔ QUICK HITCH EXCHANGE BETWEEN BUCKET AND PULLER





# THE BENEFITS

## THE BENEFITS OF THE PIPE PULLER ARE SEVERAL

### Increased productivity/reduced costs

With the vast numbers of ageing service pipes needing to be replaced across North America and Canada, the Kobus Pipe Puller offers significant productivity benefits compared to traditional open cut trenching, often the method of choice. The Pipe Puller is faster because there is less time spent excavating and reinstating. More pipes can be replaced quicker. Costs are reduced as a result, combined with less disruption to local residents. For contractors, this means the potential to win more contracts.

**The method is environmentally better as the old decommissioned pipe is removed and the scrap metal recovered.**

- > Reduces disruption to traffic flow and to local residents and homeowner as excavations are kept to a minimum
- > Removes the old decommissioned pipe from the ground which would otherwise be environmental waste if left in situ
- > Reduces cost and time compared with open cut trenching and reinstatement
- > Faster and cheaper than other techniques, increasing productivity
- > Minimizes risk of damaging other utilities in the vicinity
- > Improves safety for operators and general public as unit is self-contained, and mounted on an excavator for handling

## THE PIPE PULLER CONCEPT

### 01 How it works

The concept involves inserting a specially designed steel pulling cable through the old disconnected pipe. Attached to the pulling cable is a pulling ferrule with an expander. The pulling ferrule will pull the old pipe out as the pulling cable is winched by the Pipe Puller in a continuous motion, while the expander opens up the resulting bore hole created by the extracted pipe.

### 02 Installation of new pipe in a single operation

The new pipe is attached to the pulling ferrule, and is towed into place through the bore created by the old pipe in a single operation.

### 03 Recovery of old pipe

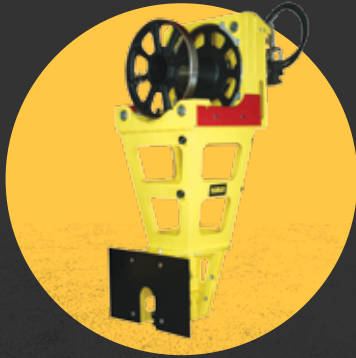
The old pipe, once extracted from the ground, is wound onto the Puller spool. The innovative design of the spool in two halves – a male and a female, allows the old pipe to be removed from the spool by reversing the direction of the hydraulic motors.

### 04 Success rates

Success rates using the Pipe Puller are very high, typically over 95%, making this a preferred method of replacement for many contractors. The robust design of the machine plus the unique pulling cable construction ensure high productivity rates.

# THE PRODUCT

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## KOBUS PIPE PULLER KPP400

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Compact, self-contained unit which mounts on 35/45 series excavators, and is driven off the auxiliary hydraulics.



## KPP400 ADAPTOR PLATE

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Adaptor plate to match different models of excavator



## PULLING CABLE

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Available in 8mm (5/16"), 10mm (3/8") and 14mm (9/16") diameter. Lengths up to approx 85'. Supplied with pulling ferrule and expander.



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