

Lay/Bury Submersible



General information

Length Overall 13 ft.
 Width of Frame 33 ft.
 Dry Weight 12.500 lbs.
 Submerged Weight Neutral.
 Opening Depth 20' to 500'

Buoyance control

Ballast 4 -Tank
 Compensation Attitude & Current

Trenching Equipment

Heads 4 Rotating Cutting
 Nozzles (per head)..... (4 or 8) 1/2"

Line size capabilities

Minimum 2"
 Maximum 20"

Propulsion

Self-Propelled
 Fore 1 Set Hydraulic
 Aft 1 Set Hydraulic
 Independent Ram Each Roller
 Rollers Jump External Fixtures
 Speed 700'/hr

Control

Hose Bundle 600'
 Attached Rear of Lay Vessel
 Type Hydraulic

Cutting

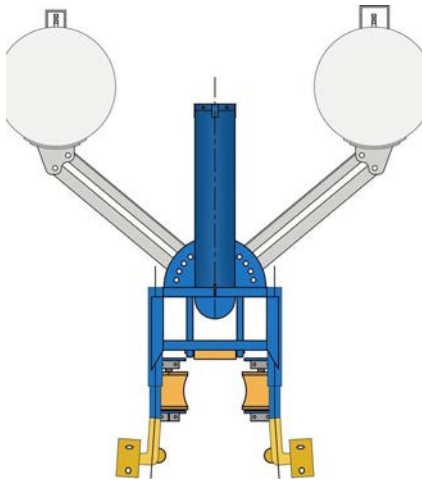
Depth Single) 3' to Top of pipe
 16.5' in 10' to multiple passes
 Depth (Tandem) top of Pipe
 Parapet Avoidance Air Venturis
 Dispersement To surface



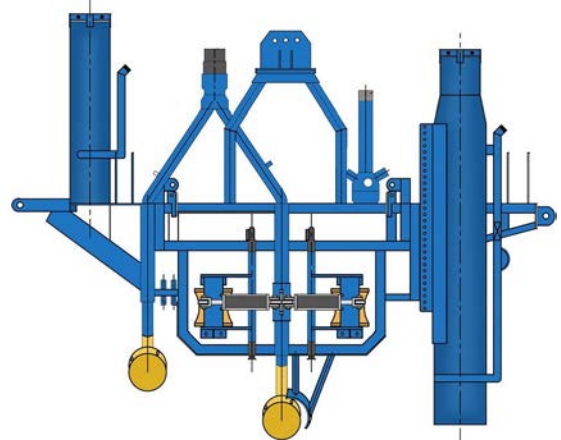
Construction Equipment Corp.
Barbados

GPP JET TRENCING

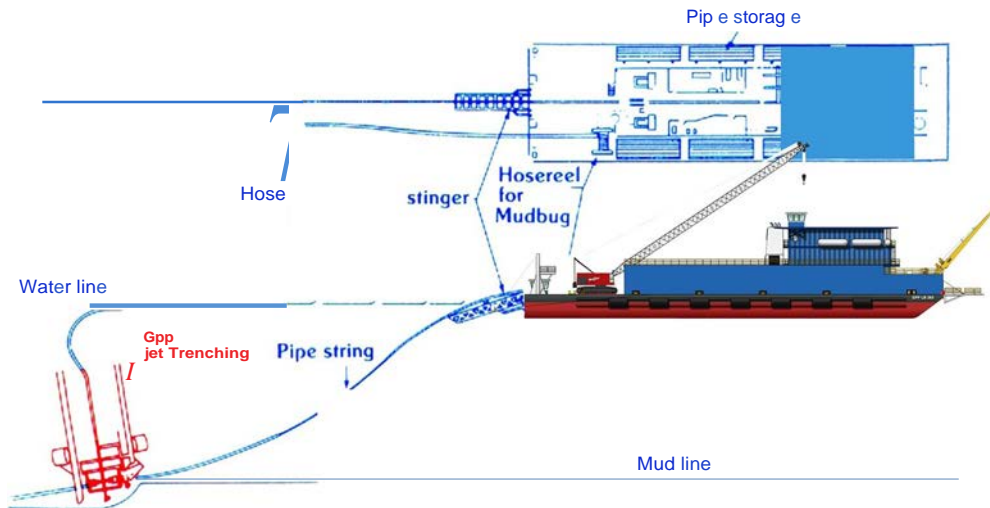
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FRONT VIEW



SIDE VIEW



The Mudbug is positioned on the pipeline and moves along the pipe string under its own power while digging the trench

The GPP Jet Trenching is designed to propel itself along the pipeline as the lay vessel installs the pipe. Controlled from the rear of the lay vessel, the GPP Jet Trenching is attached to the vessel by a 600 ft. hose bundle, through which it is hydraulically controlled.

As the pipeline approaches the seabed, the GPP Jet trenches to the required depth below the mud line, allowing the pipeline to come to rest in the center of the trench.

The parapet effect of other trenching devices using jetting equipment is overcome by use of a system of venturis that use air pressure to lift the cuttings away from the trench and disperse them to the surface. Normal seabed penetration with one pass of the Mudbug is a depth of 3 feet from the top of the pipeline laying in the trench.

The GPP Jet Trenching in single or tandem mode eliminates multiple passes used by conventional bury devices in subsea pipeline applications. The GPP Jet Trenching is the "state of the art" in subsea operations for pipeline burial below the seabed.

GPP Construction Equipment Corp

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