

# HYDRA-STOP®

## Specifications for Hydra-Stopper Single Line-Stopping System

### SCOPE:

This specification covers the furnishing, complete of one (1) new Single Line Stopping System with hydraulic drive motor.

### Equipment Capability

The equipment shall be capable of the installation, without shutdown, of a single line-stop, in the range of four (4) inch diameter through twelve (12) inch diameter. Method of pipe entry shall be made using a carbide tipped cutter and a pilot drill with retaining wire to retain the coupon. Reaming or milling of the pipe shall not be acceptable. This equipment shall be rated for line pressures up to 100 psi and have the following capabilities:

- Expansion to a double set of line stopping equipment.
- Expansion to sizes 14", 16", 18" & 20" without factory rework.
- Expansion to be rated to line pressures up to 150 psi or 250 psi.
- Expansion to side tapping 3"-20" with optional adapter kits.
- Expansion to valve insertion 4"-12" & 16" with additional adapter kit.

The capabilities specified herein are minimum mandatory requirements that must be met by any equipment offered. Equipment shall be manufactured by ADS LLC/Hydra-Stop. No substitutions will be allowed.

### Single Line Stopping Equipment (4" thru 12") (Manufacturer Part# 3-LD4120THS-412)

#### Tapping (drilling) Equipment

<u>Quantity</u>	<u>Description</u>
1 each	Tapping (drilling) Machine: (4"-12")
1 each	Drive Motor: Hydraulic
1 each	Housing: (4"-8") and (10" – 12") (2 total)
1 each	Shell Cutter: Carbide tooth: (4", 6", 8", 10" & 12") (5 total)
1 each	Pilot Drill: (4" - 6", 8" & 10" – 12") (3 total)
1 each	Saw Mandrel: (4"-8") and (10" – 12") (2 total)

Note: Side tapping expansion kit is required for branch connections.

#### Line Stopping Equipment

<u>Quantity</u>	<u>Description</u>
1 each	Line Stopper Pump & Ram Assembly:
1 each	Housing, Stopping: (4"-8") and (10" – 12") (2 total)
1 each	Temporary Valve (4"-8") and (10"-12") (2 total)
1 each	Plug Inserters (4", 6"-12") (2 total)
1 each	Stopper Rubbers (4", 6", 8", 10" & 12") (5 total)

Accessories

<u>Quantity</u>	<u>Description</u>
1 lot	Necessary gaskets, wrenches and FDA approved lubricants to operate Tapping and Stopping systems equipment.
1 lot	Wooden Storage Containers: (4"-8") (10"-12")

**Equipment:**

The size and weights of each (4"-12") Line-Stop Tapping Machine or Line-Stopper Unit shall be such that two (2) workmen can assemble the machinery and manually transport it over a fairly level construction site without the use of hoisting equipment. Once lowered into an excavation, two (2) workmen can mount the machinery onto the line-stop fitting without further hoisting assistance. All requirements expressed as mandatory in this paragraph and all requirements expressed as mandatory in all of the subparagraphs of this section, i.e., as requirements that "shall" be met, are minimum mandatory requirements that must be met by any equipment offered.

**Delivery:**

Delivery is required within 30 days after receipt of purchase order. Failure to meet this delivery date may be deemed as non-responsive. Freight allowed.

**Warranty:**

The manufacturer shall supply a one year warranty on defective materials. Cutters, pilot drills and stopper rubbers shall be excluded from this warranty.

**Training:**

A qualified representative of the manufacturer shall provide eight (8) hours of demonstration and training in the use of the equipment specified. All cost for this training will be included in the prices bid for the equipment.