



Stainless Steel Piezometer Groundwater Sampling Kit

INTRODUCTION

Thank you for choosing AMS, Inc.

This complete kit includes everything you need to take groundwater measurements and collect groundwater samples to a depth of 12ft., below ground surface.

APPLICATION

- Designed in response to our clients' needs for a manually operated sampling kit, capable of providing a semi-permanent sampling point for water level measurements and shallow groundwater sampling investigations.

DESCRIPTION

This complete kit includes everything needed to take groundwater measurements and collect samples to a depth of 12', below ground surface. For tough soil conditions, a 1-3/4" Regular Auger, two (2) 3' Extensions, and a 18" Rubber Coated Cross Handle have been provided for pre-augering a borehole. The 1-1/4" outside diameter (OD) X 14" SST Piezometer can be connected to any of the 1-1/4" X 3' SST Piezometer Extension by using the heavy-duty single-lead threaded couplers.

The male-to-male couplers are crucial for providing the same outside diameter the entire way down the drive string; allowing for an easier push and pull! Unlike other Piezometer designs with welded fittings, our Piezometer allows the end-user to remove and replace the internal SST Screen & Spring for proper decontamination in-between samplings, which is an extremely valuable feature exclusive to our Piezometer. Also included in this kit is the patented SST GVP Dedicated Tip & Fluoropolymer Umbrella with the GVP Dedicated Tip Screen #50 Mesh. Used as both a drop weight and sampling port, the GVP Dedicated Tip is connected to the 3/16" inside diameter (ID) X 1/4" OD Fluoropolymer or Poly Tubing via a barbed adapter and lowered inside the Piezometer.

Typically, a Peristaltic Pump is connected at the other end of the tubing, although Bladder Pumps, SST Bailers (AMS SKUs 2100.30, 2100.00, and 2100.36), and Foot Valves (Inertial Pumps) may also be used. The inside diameter of the Piezometer is 7/8", which provides plenty of room for 3/8" or 5/8" Water Level Meters to be used prior to sampling. The Piezometer and Piezometer extensions are driven into the subsurface using a Heavy Duty Slide Hammer and a Piezometer Threadless Drive Adapter. A Big Foot Removal Jack and Piezometer Tee Jack Adapter are included for removal of the Piezometer and Piezometer extensions. Finally, cleaning brushes and wrenches for maintenance and assembly have been provided. All the components to this kit fit securely inside two (2) foam-lined, poly-reinforced, carrying cases, with handles and wheels for added portability.



SKU: 209.20

KIT WEIGHT: 168 lbs

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IMPORTANT NOTE

For groundwater sample collection through and below contaminated lithology, it is recommended to use the 1-1/4" Expendable Tip with the Piezometer Point Holder (included in this kit) along with a #50 SST Mesh Screen. In addition, in a stiff or dense lithology, it is recommended to use the 1-1/4" Expendable Tip with the Piezometer Point Holder along with a #50 SST Mesh Screen instead of the SST Piezometer, to avoid any damage while hammering it to the target depth. The Twist-to-Lock Connector, 3/16" ID allows for post run tubing to be utilized as part of groundwater sampling activities.

HELPFUL TIPS

Use thread sealant on 5/8 inch male connections used to help keep threads tight. Keep all fittings and samplers clean, dry and free of dirt or debris. Tooling can be cleaned with soapy water and wire brushes. Always dry tooling after cleaning to prevent rusting of equipment. Vegetable oil can be used on tooling to prevent fittings from locking up and rusting.

SPECIFICATIONS

- All machined parts are (303 SST), with an exception of the 1-1/4" Expendable Tip which is (cold rolled steel)
- Screen is spring reinforced (#50 SST mesh)
- Piezometer has a slightly oversized tip for better sampling and retrieval

KIT INCLUDES

- #58062 - (1) 1-1/4" X 14" Stainless Steel Piezometer w/ Coupler
- #58063 - (4) 1-1/4" X 3' Stainless Steel Piezometer Extension w/ Coupler
- #5004.56 - (5) 1-1/4" Expendable Tip
- #5004.58 - (5) #50 Stainless Steel Mesh Screen
- #58069 - (1) Piezometer Point Holder
- #5004.45 - (1) Twist-to-Lock Connector, 3/16" ID
- #211.00 - (1) Gas Vapor Probe Dedicated Tip & Fluoropolymer Umbrella
- #212.05 - (1) Gas Vapor Probe Dedicated Tip Screen #50 Mesh
- #58070 - (1) Piezometer Slotted Pull Adapter
- #58067 - (1) Piezometer Threadless Drive Adapter
- #58068 - (1) Piezometer Tee Jack Adapter
- #214.98 - (1) 3/16" ID X 1/4" OD X 50' Fluoropolymer Tubing
- #400.10 - (1) 1-3/4" Regular Auger, 5/8" Thread
- #408.02 - (2) 3' Extension, 5/8" Thread
- #406.04 - (1) 18" Rubber Coated Cross Handle, 5/8" Thread
- #430.05 - (1) 1" X 24" Nylon Brush
- #21151 - (1) Probe Wire Brush
- #421.10 - (2) 12" Crescent Wrench
- #400.93 - (1) Heavy Duty Slide Hammer, 3/4" Thread
- #18253 - (1) Big Foot Removal Jack
- #430.01 - (2) 4' Deluxe Carrying Case 1750 Black

400.93



58062



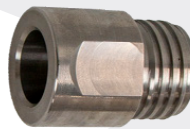
5004.56



5004.58



58069



5004.45



400.10

