



Push-in Standpipe Piezometer



Unassembled parts shown:
 a) Steel Tube
 b) PVC Pipe
 c) Drive-point PVC Adapter
 d) Drive-point Tip

Completely assembled
 Push-in Standpipe
 Piezometer with internal
 cross-section of connected
 PVC pipe and adapter.

RST's Push-in Standpipe Piezometer consists of four simple parts that are designed for extremely quick and easy field assembly. The stainless steel drive-point tip contains a porous plastic filter element that only allows water to pass through and prevents soil particles from entering its hollow cavity. A protective steel tube threads on to the base of the drive-point and houses the PVC pipe and adapter that are inserted from the top opening and pushed into the opening base of the drive-point tip at the bottom of the assembly. The PVC pipe acts as the entry path for the water level meter and also prevents any rust or extraneous particles from entering into water collected from the porous filter from the drive-point tip.

A coupling (not shown) is also used for extended connections for longer depths.

specifications

DESCRIPTION	SPECIFICATION
Maximum O.D.	2.54 cm (1 in.)
Filter Area	51 cm ² (7.9 in ²)
Body Material	Stainless steel
Pore Diameter (filter)	70 micron
Permeability	3×10^{-4} m/s (low air entry)

ordering info

SIZE	PART #
Drive-point Tip (Photo: a, d)	PP0025SP
Steel Riser Pipe 1 1/4" x 5', Sch 40 (photo not shown, quantities as required)	FIPS00125
Drive-point Tip PVC Adapter (Photo: c)	PP0025SP-A
PVC Threaded Pipe 3/4" x 5', Sch 40 (Photo: b, quantities as required)	EPA075405
Coupling (photo not shown, quantities as required)	FIPSC0125
Drive Shoe (photo not shown)	FIPSDS125

optional equipment

- Water level meter (see separate brochure)
- Polyethylene or Teflon® lined tubing (contact RST for details)



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applications

Push-in piezometer for soft clays, organic and fine grained cohesionless soils.

Slope stability investigation and leachate extraction.

Groundwater sampling, monitoring, dewatering and drainage operations.

features

Low cost NPT steel drive pipe.

Inner PVC pipe allows for water sampling and head measurement.

Polyethylene or Teflon® lined tubing available for high quality samples.

Can be modified for soil vapor sampling.