

PRODUCT SPEC SHEET

VULCAN FTS

The Vulcan Flow Through Sampler (FTS) is a tool for obtaining fluid samples from a producing well.

The sample chamber is lowered into the well with open valves on each end, allowing well fluids to pass freely through the chamber. At an interval programmed on the surface, the valves close, trapping the fluid. The sampler can then be removed from the well.

DELIVERING THE ULTIMATE VALUE

The sample contained in the chamber will remain in the same state as it was in the well. The pressure will not be changed. The sample can then be removed from the sampler and transferred to a container suitable for storage by means of a transfer apparatus. The transfer can be made without changing the pressure of the sample or contaminating it.

The instrument consists of a sample chamber with a spring loaded valve on each end. A latching mechanism connects the valves together and holds them open. Above the chamber, there is a clock to program the closing time, and a ball operated tripping mechanism to release the valves. The lower end has a removable bull nose with ports to allow the fluid to enter. At the top, there is a rope socket for attaching the wireline.

The Vulcan FTS is high-temperature capable and can be set up to run in Geothermal wells up to 600°F.



TARGET APPLICATIONS

- **UNALTERED DOWNHOLE SAMPLING**
Pressurized pH measurements in formation water or asphaltene deposition analysis in oil

TECHNICAL SPECIFICATIONS	
Capacity	600cc
Maximum Temperature	450°F (232°C)
Survey Pressure	10,000 psi
Diameter	1 1/2 in (3.81cm)
Length	87 in (2.2m)
Seal Material	Viton
Material	17-4 PH/SS Monel
PH	2, 9-9
Salinity	300,000 ppm
Transfer Method	Mercury Equilibrium
Clocks Programmable For :	1, 2.5 and 6 hours

*Description and specifications are subject to change without notice.

SUPPLIES AND ACCESSORIES

- **TRANSFER APPARATUS**
Mercury type for full pressure transfer or bypass valve for open air transfer
- **600cc SHIPPING BOTTLES**
- **FIELD KITS**
- **SPARE PARTS KIT**
- **VARIOUS CLOCKS FOR DIFFERING TIME RANGES**