

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.

The sample can then be removed from the sampler and transferred to a container suitable for storage by means of a transfer apparatus.

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.

For more information on Scientific Drilling's range of cased hole services, contact your Scientific Drilling sales representative or visit: <http://scientificdrilling.com/cased-hole-services>

GENERAL SPECIFICATIONS

CAPACITY	600cc
MAXIMUM TEMPERATURE	600°F (315°C)
MAXIMUM PRESSURE	10,000 psi
LENGTH	87 in (2.2 m)
DIAMETER	1 1/2 in (2.81 cm)
MATERIAL	17-4 PH/SS Monel
SEAL MATERIAL	Viton
PH	2, 9-9
SALINITY	300,000 ppm
TRANSFER METHOD	Open air
CLOCKS PROGRAMMABLE FOR:	1, 2.5, and 6 hours

*Specifications are subject to change without notice

APPLICATIONS

- + Downhole sampling

SUPPLIES & ACCESSORIES

- + Transfer apparatus:
 - Bypass valve for open air transfer
- + 600cc Shipping bottles
- + Field kits
- + Spare parts kit
- + Various clocks for differing time ranges

