

FLOWHEAD

The surface test tree (Flowhead) is a major item of well test equipment. It is the first piece of surface equipment exposed to well effluent and therefore effectively controls the well upstream of the choke manifold. The flowhead is basically a four-valve arrangement with the master and flow valves being the main flow control valves. The kill valve is used to kill fluid or stimulation fluids to the string whilst the swab valve allows access for wireline operations.

The flow valve is normally hydraulically actuated to the fail safe close position and controlled from the E. S. D. Panel, thus ensuring a fast shut-down response time.

Oiltest Surface Test Tree Flowheads offer full E. S. D. Well head control

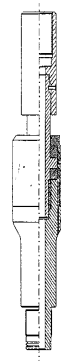


Surface Test Tree Swivel

A swivel connects directly to the test tree saver sub usually via a left hand thread, this prevents the test string backing off during well test operations. The swivels function is to allow a certain degree of rotational flexibility or slack during rig-up operations.

The swivel's bore size and pressure/temperature rating is always the same as the flowheads.

Bore: 3-1/16"
WP: 10,000 Psi



Swivels enable the surface test tree to rotate and form a very important role in rigging -up operations.

Flowhead - Specification

Working Pressure:	10000 psi
Test Pressure:	15000 psi
Service:	H ₂ S
Operation Temperature:	-20°F, +250°F -29°C, +121°C
Maximum Working Load:	600000 lbs @ 0 psi 400000 lbs @ 100000 psi

Yield Tensile Strength: 750000 lbs

Nominal Drift: 3 1/16"

Overall Dimension

Overall Length (with Swivel):	133' 1" (3.99m)
Width:	4' 10"
Weight:	8180 lbs (3700 kg)

Valve Type	V1	Anson E-Type Gate
	V2	Anson E-Type Gate
	V3	Anson E-Type Gate
	V4	Anson E-Type Gate

Connections:

Top	6 1/2" - 4 ACME x 5"-4 Stub ACME F
Bottom	Rough turned
Cross-over	As may be required.
KILL VALVE	3" - 1502 Female Sub
AUTOMATIC FLOW VALVE	3" 1502 Male Sub (Baker Hydraulic Actuator)
Pumping Unit:	Hand Operated