

Flowhead

Flowhead, also called Surface Test Tree, is located at the top of the test string to control the flow of fluid from the well and is the first piece of surface test equipment. It consists of four gate valves: one master valve, two wing valves (flow line & kill line), and one swab valve. A swivel below the main block of the test tree allows drill stem to rotate freely, while the test tree remains stationary.

APPLICATIONS

- ▶ Surface well testing operation
- ▶ Pre-completion testing
- ▶ Drill Stem Testing (DST)
- ▶ Post-completion testing (carried out without the use of X-mass tree)



FEATURES & BENEFITS

- ▶ Supports the weight of the test string.
- ▶ Adaptable and compact design provides added flexibility and mobility.
- ▶ Low torque metal-to-metal sealing on all gate valves provides increased reliability and ease of operation.
- ▶ Protection frame on main block for manual and hydraulic valves improves durability
- ▶ It controls flow out of the well through a flow valve.
- ▶ Swivel enables rotation of the test string for packer setting and disconnect operations
- ▶ Master valve can be located below swivel or integrated in main block

MAIN SPECIFICATION

Model	FLH-80-35	FLH -78-70	FLH -78-105	FLH-103-70
Design Code	API Spec. 6A & NACE MR 0175			
Service	Oil & Gas, H ₂ S Service			Sweet Service
W. P (psi)	5000	10,000	15,000	10,000
W. T	P – U			
ID (in. [mm])	3 - 1/8 [79]	3 - 1/16 [78]	3 - 1/16 [78]	4-1/16 [103]
Load Capacity				
Connection:				
Flow Line	3" Fig. 602 M	3" Fig. 1502 M	3" Fig. 2202 M	4" Fig. 1002 M
Kill Line	3" Fig. 602 F	3" Fig. 1502 F	3" Fig. 2202 F	4" Fig. 1002 F
Options:				
Top Connection	5-3/4" - 4 Stub Acme Box/ according to customers' requirement			
Bottom Connection	4-1/2" IF Pin/ according customers' requirement			
Check Valve on Kill Line	Dart or flipper type			

