



Description

The well test flow head is used as a temporary wellhead on a drilling & work over rigs, it supports the test string and provides a means of controlling the well at surface when completing, testing or performing live well intervention operations.

The Flow head consists of four gate valves; three are compiled and protected at the main block with a frame that is bolted to the main block, and the fourth valve is located at the very bottom just below a rotating swivel. The main flow wing valve is fitted with a hydraulic actuator, and can be activated remotely from hand pump or ESD panel. The configuration allows the rotation of the bottom string without rotating the flow head, and preventing any rig movement from transferring torque into the upper part.

The handling sub on top of the main block provides an interface to the surface pressure control equipment for any intervention operations. Slick line, Wireline and/or Coiled tubing tools can be run & retrieved through a flow head which has a full bore flow passage.

Eunisell currently offers this types of Flow Head:

3 1/16" 10K Model 200M Flow Head.

Features and Benefits

- ✓ Allows interventions operation,
- ✓ Allows up & down movement of test string,
- ✓ Enables rotation of test string without rotating the flow head and the well head equipment above.
- ✓ Controls in/out flow from/to the well.
- ✓ Ensures reliable shut-in for harsh environment operations,
- ✓ Flow line can be controlled remotely.
- ✓ Provides at least two surface pressure barriers.
- ✓ Can automatically close flow valve if control pressure is lost.

Process & Design Data

Service H2S service per NACE MR01-75

Flow capacity 3" bore

Design pressure 10 000 psi

Design temperature -29°C to +121°C (-20°F to +250°F)

Flow wing valve action Fail close

Hyd. Operator rating Up to 6 000 psi

Closing time < 30 sec. (when connected to an ESD system)

Codes of construction API-6A / API-7

External connections

Bottom saver sub 4 ½" IF thread (pin)

Top lift sub 5 ¾" -4 ACME (box) Otis

Kill line inlet 2" wing union fig. 1502 female

Flow line outlet 3" wing union fig. 1502 male