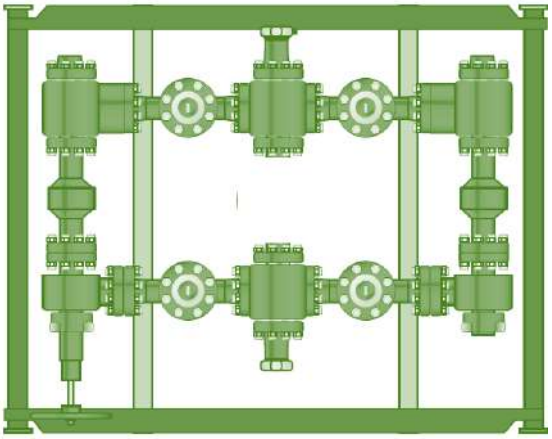
Choke Manifold



PRINCIPLE OF OPERATION

MEEM Chokes are throttling valves that allow operators to control the well stream. They are capable of withstanding erosion resulting from the very high velocities occurring at and immediately downstream from the orifice.

The standard Choke Manifold is a four-valve, component design with a full-bore flow path through the manifold. On one side, an adjustable choke allows more flexible control for wellbore clean-up rates. On the other side is a positive choke to give more accurate flow control for predetermined fluids for various test procedures. By using the valves and adjustable choke, the operator can change the positive choke without having to stop operations or affect test objectives.

Features and benefits

- Features dual chokes, one adjustable and one positive, to help maintain a constant flow rate.
- Full Tungsten carbide orifice to ensure erosion resistance and reduce the possibility of insert wear out of choke body.
- Is designed for easy maintenance during operations, which saves rig time and overall cost of the test.
- FLS Gate valves for sand operations.
- Meets applicable industry standards (API 6A).

Applications

- Well testing
- Clean-up operations
- Post Frac operations
- HPHT

Technical specifications

	MINIMUM	MAXIMUM	UNITS
Operating Temperature	-20	250	ºF
Operating Pressure	0	10,000	psig
Chokes	2" Max orifice H2 design w/Dual plug seal, Full tungsten carbide orifice.		
Valves	FLS frac valves for to accommodate sand flow		
Service Conditions	H2S / CO2		
Inlet / Outlet connections	3” 1/16 API 6A 10K Flange		
External Dimensions (Footprint)	2500 mm x 1800 mm x 900 mm (L x B x H)		
Maximum Gross Mass	5,200 KG		
Design Codes	Corner body : API 6A – 16C. Body : API6A Material Class : EE-NL, Temperature Class :P+U, Testing level : PSL-3 Service : NACE MR-0175 Lifting Spec : EN12079