

CHOKE MANIFOLD



The choke manifold controls the flow of fluid from the well by reducing the flowing pressure. This pressure drop across the choke helps to achieve critical flow.

During the well testing operation, critical flow—the point at which the downstream pressure is approximately one-half that of the upstream pressure—must be achieved across the choke in order for the flow rate calculation to be valid for a given choke size.

TETRA PRODUCTION TESTING SERVICES

TECHNICAL SPECIFICATION

Working Pressures:	34.47, 68.95, 103.42 MPa (5,000, 10,000, 15,000 psi)
Working Temperature Range:	-20°C to 121°C (-4°F to 250°F)
Service:	H ₂ S
Standard:	NACE MR0175
Code:	ASME, API 6A
Number of Valves:	4 or 5
Valve Types:	Gate
Choke Types:	Adjustable and Fixed
Inside Diameter:	8 centimeters (3 inches)
Connections:	
Inlet Union (Female):	8-centimeters (3-inch)—1502
Outlet Union (Male):	8-centimeters (3-inch)—602
Dimensions (L x W x H):	3 x 2.1 x 1.1 meters (10 x 7 x 3.7 feet)
Weight:	1,588 kilograms (3,500 pounds)