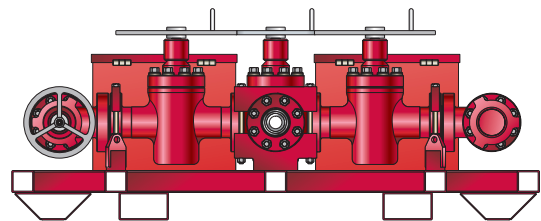
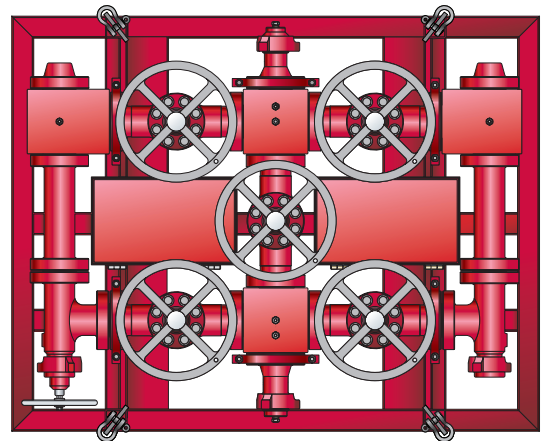




Choke Manifold

Weatherford's choke manifold is typically located on the rig floor and provides flexible and variable flow control and well shut-in capability upstream of the process and measurement equipment during well test operations. The flow path on one side of the manifold has an adjustable choke and is used during well cleanup or drawdown operations until a stable flow condition has been reached. The opposite side of the manifold houses positive, fixed-bean chokes that provide accurate flow control for predetermined flow rates under stable conditions. A full-bore bypass is incorporated through the center of the manifold and can be used when choking downstream at the heater or open-flow conditions.



Applications

- Offshore and land operations
- Drillstem tests
- Well cleanups
- Production/well tests
- Well shut-ins at surface

Features, Advantages and Benefits

- Positive fixed- and adjustable-choke boxes and full-bore bypass allows maximum operational flexibility and control.
- Positive choke changeouts can be made quickly offline.
- Low-torque metal-to-metal sealing on all gate valves provides increased reliability and ease of operation.
- Four-point lifting sling and integral forklift pockets provide flexibility to handling and movement.



Choke Manifold

Specifications

	Model CM-10000-5V	Model CM-15000-5V
Size (in.)	3-1/16	
Number of valves	5	
Maximum working pressure (psi/ <i>MPa</i>)	10,000 69	15,000 103
Test pressure (psi/ <i>MPa</i>)	15,000 103	22,500 155
Operating temperature range (°F/°C)	−20 to 250 −29 to 121	
Service conditions	H ₂ S/CO ₂	
ID (nominal bore) (in/ <i>mm</i>)	3-1/16 77.79	
Outside dimensions L × W × H (ft/ <i>m</i>)	6.29 × 8.00 × 3.12 1.92 × 2.44 × 0.95	
Floor to centerline of bore (ft/ <i>m</i>)	1.40 0.43	
Approximate weight (lb/ <i>kg</i>)	6,750 3,062	
Upstream connection	3-in. Fig 1502 union female	3 1/16-in. API 16BX hub
Downstream connection	3-in. Fig 1502 union male	
Needle type adjustable choke size (in.)	8/64 to 128/64	
Fixed choke bean sizes (in.)	4/64 to 64/64 at 4/64 increments	
	72/64 to 128/64 at 8/64 increments	
Full bore bypass	Yes	
Applied codes	API 6A (PR1, PSL-2)	
	NACE MR-01-75	
	Material class - DD	
	Temperature class - P+U	
	DNV 2.7-3	

Options

- Sampling and chemical injection points
- Other sizes and specifications available on request