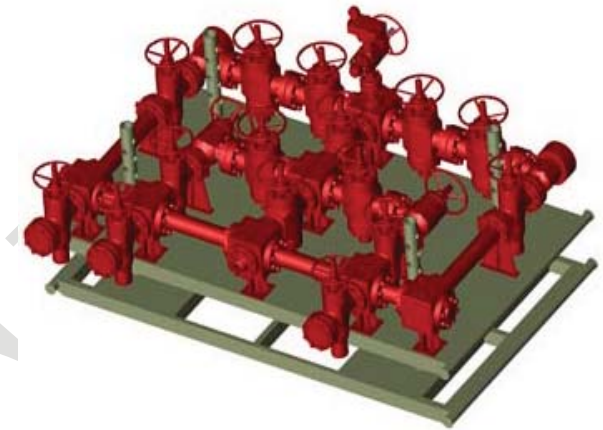


## CHOKE AND KILL MANIFOLD

### Choke Manifold

Choke Manifold is adopted to execute new drilling-well's technique of balance pressure. Choke Manifold can avoid pollution of oil-layer and improve the speed of drilling and control blowout effectively. The choke manifold consists of choke valves, gate valves, line pipes, fittings, pressure gauges and other components. PPGL supplies various choke manifold from 2-1/16"~4-1/16", with working pressure 2,000PSI~20,000PSI as per API SPEC 16C /6A.



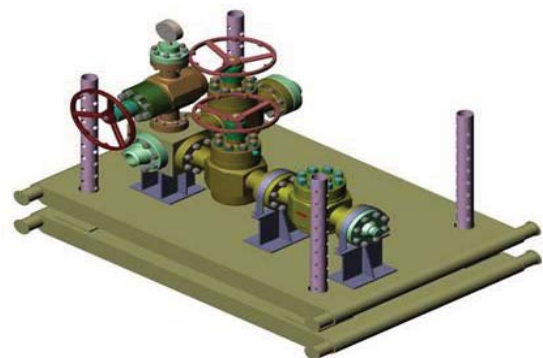
**Choke Manifold**

### Technical Specifications of Choke Manifold

Choke Manifold	Working Pressure	Main Dia.	Side Dia.	Remark
PPGL-CM140	20,000 (140)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/16(78) , 4-1/16(103)	PPGL can supply various assembly type according to client's requests
PPGL-CM105	15,000(105)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/16(78) , 4-1/16(103)	
PPGL-CM70	10,000(70)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/16(78) , 4-1/16(103)	
PPGL-CM35	5,000(35)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	
PPGL-CM21	3,000(21)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	

### Kill Manifold

Kill manifold is necessary equipment in well-control system to pump drilling fluid into well barrel or inject the water into wellhead. It consists of check valves, gate valves, pressure gauges and line pipes. PPGL supplies various kill manifold from 2-1/16"~4-1/16", with working pressure 2,000PSI ~20,000PSI as per API SPEC 16C /6A.



**Kill Manifold**

### Technical Specifications of Kill Manifold

Kill Manifold	Working Pressure Psi(MPa)	Main Dia.	Side Dia.	Remark
PPGL-KM140	20,000 (140)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/16(78)	PPGL can supply various assembly type according to client's requests
PPGL-KM105	15,000(105)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/16(78)	
PPGL-KM70	10,000(70)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/16(78), 4-1/16(103)	
PPGL-KM35	5,000(35)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	
PPGL-KM21	3,000(21)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	2-1/16 (52), 2-9/16(65), 3-1/8(80), 4-1/16(103)	

### Drilling Mud Manifold

Drilling mud manifold consists of mud valve, high pressure spherical union, high pressure core union, tee, high pressure hose, elbow, pressure gauge, and pup joint etc. PPGL supplies various mud manifold from 2”~4”, with working pressure 2,000PSI~10,000PSI as per API SPEC 16C /6A.



**Drill Mud Manifold**

### Technical Specifications of Drilling Mud Manifold

Working Pressure Psi	Nominal Dia.	Connection Type	Remark
2,000, 3,000, 5,000	2, 3,4,5	Union, Threads, Welded, Flanges	PPGL can supply various assembly type according to client's requests