



Hookup Accessories

In order to achieve a complete and tailored configuration for the Production Service Hookup, we offer a range of products to suit the needs of your application: valves, unions, flow tees, chokes, and pressure regulators.

Hookup Accessories

Well King™ Back Pressure Regulators

- Liquid or gas service
- Reduces paraffin by keeping gas in solution
- Less free gas and better lubrication at the stuffing box
- Increases pump efficiency by keeping bottom hole pressure above the bubble point
- Differential pressure type-recommended for systems where downstream pressure is less than 10% of set pressure
- All models have ¼" NPT pressure port for upstream pressure gauge installation
- Connections:
 - Standard: 2" Male LP Inlet x Single 2" Female LP outlet
 - 4-Way Cross: 2" Male LP Inlet x Dual 2" Female LP outlet
 - In-Line: 2" Female LP Inlet x Single 2" Female LP outlet
- External body shell components for all assemblies have a 2,000 psi "Shell Test Pressure" capability



Standard 2" Back Pressure Regulator



4-Way Cross



In-Line 2" Back Pressure Regulator

2" Back Pressure Regulator

Pressure Range	Orifice	Ball Size	Spring Material
5-200 psi	.875"	1.125"	Monel
10-500 psi	.875"	1.125"	302 SS
10-900 psi	.875"	1.125"	Carbon Steel
10-1000 psi	.683"	1.000"	Elgiloy
10-1500 psi	.683"	1.000"	Carbon Steel*

* Same spring used in 10-900 psi model

Features and Benefits of Optional Sand Trim

- Carbide tipped plunger and carbide seat which replaces ball and seat and lower spring keeper
- Available in 200, 500, 900 and 1,000 psi (not available in 1,500 psi)
- 10-1,000 psi model fully meets NACE MR0175
- Less vibration
- Smoother flow
- More abrasion resistance
- Greater control sensitivity

Adjustable Choke B-29

- Thumb screw secures stem setting position
- Stem can be lubricated with standard grease gun
- Available carbide trim for increased abrasion resistance
- Stainless steel model available by special order for NACE applications

Specifications	B-29
Size	2" x 2" LP
Working Pressure	2000 psi
Maximum Orifice Size	¾"
Height	
Open	17-½"
Closed	16-¾"
Weight	20 lbs.

Note: Adjustable chokes are not intended to be used as shutoff valves.



Hookup Accessories

Pumping Flow Tees

- Ductile iron construction
- Most precise alignment in the industry
- Hundreds of thread combinations
- 2", 2-½", and 3" cast steel tees meeting NACE MR0175 available
- Corrosion resistant coatings available
- 4-way cross configuration available in 2" and 4" LP
- 1" NPT standard (or smaller) bleeder port
- 2" bleeder available in some sizes
(bleeder port can be left blank by request)



Pumping Flow Tees 3,000 psi WP

3000 psi Working Pressure Heavy Duty Tees

Model No.	Bottom Thread (Tubing or LP)	Top Thread (Tubing or LP)	Major Side Outlet (LP)	Height	Weight
CT-7	2"	2"	2"	6"	9 lbs.
CT-13	2" Male	2"	2"	7¼"	7 lbs.
CT-8	2"	2½"	2"	7¼"	13 lbs.
CT-17	2"	3"	2"	8"	21 lbs.
CT-1	2"	3"	3"	8"	18 lbs.
CT-18	2½"	2"	2"	7¼"	13 lbs.
CT-11	2½"	2½"	2"	7¼"	13 lbs.
CT-14	2½" Male	2½"	2" - 2½"	8"	10 lbs.
CT-9	2½"	2½"	2½"	7¼"	12 lbs.
CT-19	2½"	2½"	3"	8"	20 lbs.
CT-12	2½"	3"	2"	8"	20 lbs.
CT-10	2½"	3"	2½"	8"	20 lbs.
CT-16	2½" Male	3"	2"	8"	10 lbs.
CT-2	2½"	3"	3"	8"	18 lbs.
CT-20	3"	2½"	2"	8"	20 lbs.
CT-21	3"	2½"	2½"	8"	20 lbs.
CT-22	3"	2½"	3"	8"	20 lbs.
CT-23	3"	3"	2"	8"	20 lbs.
CT-3	3"	3"	3"	8"	18 lbs.
CT-25	3" Male	3"	2"-3"	9½"	19 lbs.
CT-4	4"	3"	3"	7¾"	22 lbs.
CT-24	4"	4"	3"	7¾"	21 lbs.
CT-6	4"	4"	4"	7¾"	18 lbs.

Other models available

Note: Pumping Tee Test Pressure > 1.5 x Working Pressure (Male Threads) and 2 x Working Pressure (Female Threads)

* Corrosion-resistant coatings available, contact customer service.

** CT-1, CT-2, and CT-3 available in carbon steel with welded 3.12" 2M or 3M API top flange for attachment of PCP drive head.

Hookup Accessories

Valves

All Hercules™ & Magnum™ valves provide trouble-free service and are constructed of only the highest quality materials. Our valves are available in a variety of body styles and materials to meet or exceed applicable industry standards.

Hercules™ Ball Valves

Material options

- Carbon Steel
- Stainless Steel
- Bronze
- Ductile Iron
- Cast Steel

Specifications

- Pressure range 200 -1200 PSI MWP
- Temperature up to 500 F (260 C)
- Size range 1/4 in to 3 in



Magnum™ Valves

Our valves have a 316SS construction NACE compliant.

Configuration options

- Straight pattern
- Angle pattern
- Gauge valves
- Mini valves
- Bleed valves
- Needle valves

Specifications

- Pressure up to 10,000 PSI MWP
- Temperature up to 1000 F (538 C)
- Size range 1/8 in to 1 in



Unions

Our Yale™ union design allows valves and other fittings to be removed easily from the production line. This feature offers special advantages when the fitting is installed in a short section of line, since it is not necessary to "spread" or bend the line when removing the fitting.

Configurations

- Figure 110 "Insulating Unions"
- Figure 210 "Blanking Union"
- Figure 300I "Insulating Unions"
- Figure 300 "Flat Face"
- Figure 310 "Threaded Choke"
- Figure 800 "Quick Stab"
- Figure 800R "Quick Stab"

Material options

- Carbon steel
- Alloy steel
- Ductile iron

Specifications

- Pressure ranges from 500 to 12,500 psi MWP
- Temperature up to 500 F (260 C)
- Size ranges from 1/4 in to 8 in

