

# TEG DEHYDRATION PUMPS



## TEG Pump Reliability You Expect From Cat Pumps

The formation of hydrates in gas pipelines has had a significant impact to industry profits for decades causing unplanned production shutdowns and destruction of system equipment. Triethylene glycol (TEG) is the most common method of removing water from natural gas. Emission compliance and reliability of the glycol system equipment, especially the glycol pump, is essential. Our electric/engine-driven TEG pump product line has been field-proven in the most rigorous dehydration conditions, a reliability you would expect from Cat Pumps. All pumps can be electric/engine-driven to help with HAP's compliance and lowering of regulatory costs.

### Electric-Engine vs. Gas-Pilot Driven Pumps

- A third or more reduction in methane emissions
- Payback to refit existing systems with electric/engine driven pumps is less than one year
- No piston O-ring to wear improving operating efficiency
- Lower maintenance costs – longer seal life
- HAP's reduced lowering regulatory compliance costs

### Features:

- Continuous-duty performance where low life-cycle costs are a must
- Field proven performance from 2.3 to 36 gpm (8.7 to 136 lpm) at pressures from 100 to 2500 psi (6.9 to 172 bar) at temperatures up to 240°F (115°C)
- Brass or stainless manifold construction for compatibility
- Other model performances available upon request

# Triethylene Glycol (TEG) Pump Ordering

## Brass Manifolds | 2.4 to 36 gpm (9.0 to 136 lpm)

Note: Pumps in *italics* indicates an optional performance rating. Technical data sheets are available for each pump model at [www.catpumps.com](http://www.catpumps.com).

Model	MAXIMUM FLOW		MAXIMUM PRESSURE		HP	KW	RPM	Drives
	gpm	lpm	psi	bar				
3CP1130.44101	2.4	9.0	2200	152	3.6	2.69	1725	Solid shaft, Belt, Bell, Clutch
5CP3105CS.44101	2.5	9.5	3500	245	6.0	4.48	1750	Solid shaft, Belt, Bell, Clutch
3CP1140.44101	3.6	13.6	2200	152	5.4	4.03	1725	Solid shaft, Belt, Bell, Clutch
5CP2120W.44101	4.0	15.0	2500	172	6.9	5.15	950	Solid shaft, Belt, Clutch
5CP2140CS.44101	4.0	15.0	2500	172	6.9	5.15	1725	Solid shaft, Belt, Bell, Clutch
3CP1120.44101	4.2	15.9	2200	152	6.3	4.70	1725	Solid shaft, Belt, Bell, Clutch
5CP6120.44101	6.0	22.7	1600	110	6.6	4.92	1400	Solid shaft, Belt, Clutch
1050.44101	10.0	37.9	2200	152	15.1	11.26	958	Solid shaft, Belt, Clutch
<i>1050.44101</i>	12.0	45.4	1800	124	14.8	11.04	1150	Solid shaft, Belt, Clutch
1540E.44101	18.0	68.1	1200	83	14.8	11.04	1100	Solid shaft, Belt, Clutch
2530.44101	25.0	94.6	1000	70	17.1	12.75	1025	Solid shaft, Belt
<i>2530.44101</i>	21.0	79.5	1200	83	17.3	12.90	860	Solid shaft, Belt
3535.44101	36.0	136	1200	83	29.7	22.16	800	Solid Shaft, Belt

## 316 Stainless Steel and Nickel Aluminum Bronze Manifolds | 2.3 to 36 gpm (8.7 to 136 lpm)

3CP1231.44101	2.3	8.7	2000	138	3.2	2.39	1725	Solid shaft, Belt, Bell, Clutch
3CP1241.44101	3.6	13.6	2000	138	4.9	3.65	1725	Solid shaft, Belt, Bell, Clutch
5CP6241CS.44101	4.0	15.0	2000	138	5.5	4.10	1725	Solid shaft, Belt, Bell, Clutch
3CP1221.44101	4.2	15.9	2000	138	5.8	4.33	1725	Solid shaft, Belt, Bell, Clutch
5CP6251.44101	5.0	19.0	2000	138	6.8	5.07	1725	Solid shaft, Belt, Bell, Clutch
5CP6221.44101	6.0	22.7	2000	138	8.2	6.11	1400	Solid shaft, Belt, Bell, Clutch
1051.44101	10.0	37.9	2200	152	15.1	11.26	958	Solid shaft, Belt, Clutch
<i>1051.44101</i>	12.0	45.4	1800	124	14.8	11.04	1150	Solid shaft, Belt, Clutch
3517.44101*	14.0	53.0	3000	207	28.8	21.46	800	Solid shaft, Belt
1531.44101	15.6	59.0	1500	103	16.0	11.94	1450	Solid shaft, Belt, Clutch
1541.44101	18.0	68.1	1200	83	14.8	11.04	1100	Solid shaft, Belt, Clutch
3521.44101	23.0	87.0	2000	138	31.6	23.57	800	Solid shaft, Belt
2531.44101	25.0	94.6	1000	70	17.1	12.75	1025	Solid shaft, Belt
<i>2531.44101</i>	21.0	79.5	1200	83	17.3	12.90	860	Solid shaft, Belt
3531.44101	36.0	136	1200	83	29.7	22.16	800	Solid shaft, Belt

\* Nickel Aluminum Bronze Manifold

## Recommended Accessories

Pump seal and valve kit information can be found on the pump data sheet at [catpumps.com](http://catpumps.com).

Pump Model	Primary Pressure Control		Secondary Pressure Control		Pressure Gauge	Accumulator	LPS Monitor	Crankcase Oil Kit*	Seal Kit	Valve Kit **
	Regulator	Unloader	Relief Valve	Pop-Off Valve						
3CP (Brass)	7003	7694.0110	7694.1110	33961S	6073	6030	Not Available	76334	76097	33258
3CP (Stainless)	7003.100	7501.0110	7501.1110	9961S	6073	6030	Not Available	76334	76096	31216
5CP (Brass)	7013	7694.0110	7694.1110	33961S	6073	6030	Not Available	76334	76237,76255	***
5CP (Stainless)	7012.100	7531.0110	7531.1110	9961S	6073	6030	Not Available	76334	76095	34362
1050	7023	7537.0110	7537.1110	Use Relief Valve	6073	6030	30664, 30664.120VAC	76334	76094	31256
1051	7023.100	7533.0110	7533.1110	Use Relief Valve	6073	6030	30664, 30664.120VAC	76334	76094	30987
1531	7022.100	7537.0110	7537.1110	Use Relief Valve	6073	6013	30664, 30664.120VAC	76334	76272	76281
1540E	7022	7537.0110	7537.1110	Use Relief Valve	6073	6013	30664, 30664.120VAC	76334	76093	76775
1541	7022.100	7531.0110	7531.1110	Use Relief Valve	6073	6013	30664, 30664.120VAC	76334	76093	76450
2530	7022	7590.0110	7590.1110	Use Relief Valve	6073	6013	30290, 30290.120VAC	76144	76087	31267
2531	7022.100	Contact Cat Pumps	890702	890713	6073	6013	30290, 30290.120VAC	76144	76087	31267
3517	7024.100	Contact Cat Pumps	890718	9941	6076	701541	30290, 30290.12VAC	76334	76447	701798
3521	7022.100	Contact Cat Pumps	890709	9941	6073	6013	30290, 30290.120VAC	76334	77028	77029
3531	7376	Contact Cat Pumps	890702	890711	6073	6013	30290, 30290.120VAC	76334	76276	77029
3535	7032.100	7590.0110	890702	890711	6073	6013	30290, 30290.120VAC	76334	76269	76263

\* Includes oil drain and oil indicator except 76144 which is an oil indicator only.

\*\* Two valve kits should be ordered to service all valves in the pump except the 3CP1221.44101, 3CP1231.44101, 3CP1241.44101 and 5CP6221.44101, 5CP6241CS.44101, 5CP6251.44101 which require only one valve kit.

\*\*\* Valve kit 31821 fits models 5CP2120W.44101, 5CP2140CS.44101, 5CP2150W.44101, Valve kit 31263 fits model 5CP6120.44101, and Valve Kit 31345 fits model 5CP3105CS.44101

## CAT PUMPS

1681 94th Lane NE, Minneapolis, MN 55449

Phone: 763.780.5440 Fax: 763.780.2958 e-mail: [techsupport@catpumps.com](mailto:techsupport@catpumps.com) [www.catpumps.com](http://www.catpumps.com)