

# LIQUID CO<sub>2</sub> PUMPING SOLUTIONS



## Industrial Duty Pumps for Liquid CO<sub>2</sub> Applications

For over 20 years, Cat Pumps has provided dependable liquid carbon dioxide (CO<sub>2</sub>) pumping solutions, working closely with research facilities, universities, and equipment manufacturers to develop reliable solutions in challenging CO<sub>2</sub> applications. Customers rely on Cat Pumps extensive experience for system design assistance and proper pump selection. Contact Cat Pumps for more information about your next CO<sub>2</sub> application.

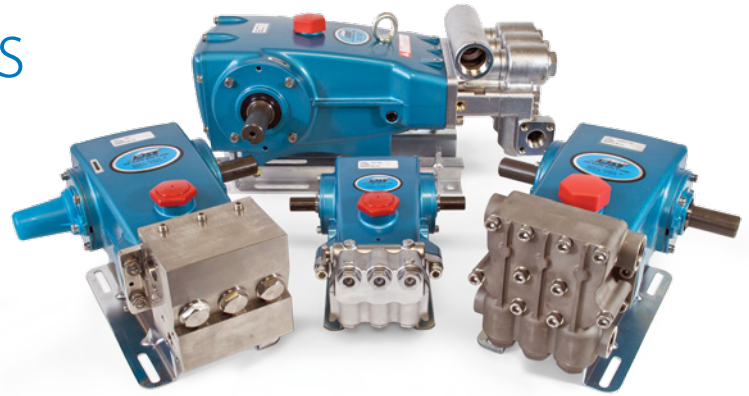
### Typical Applications

- Refrigeration and freezing in food processing
- Shield gas in welding applications to prevent oxidation
- pH balance in water treatment plants
- Chemical-free cleaning
- Fire suppression systems
- Lipid extraction
- Plant growth stimulation in greenhouses
- Enhanced oil recovery of oil and gas wells

### Features

- Output flow ranges from 0.34 to 50 gpm/1.3 to 189 lpm at 400 to 7,000 psi/27.5 to 483 bar
- Reinforced internal components for high inlet pressure
- Inverted manifold to prevent vapor entrapment
- Special seals designed for cold temperature
- Optional glycol flushing to prevent freezing
- Field-proven dependability

# Industrial Duty Pumps for Liquid CO<sub>2</sub> Applications



## Select Cat Pumps for Your Liquid CO<sub>2</sub> Needs

Durability, reliability, long-life, and fast service — all reasons why Cat Pumps is the pump of choice for liquid CO<sub>2</sub> and other high-pressure liquid applications. Customers select Cat Pumps products due to the low cost-of-ownership, providing exceptional value over the life of the system.

- Over 20 years of design and application experience with liquid CO<sub>2</sub> systems
- Worldwide distribution channel for sales and service support
- Industry recognized for high-quality and long-lasting products

Model	Flow*			Pressure*	
	(gpm)	(kg/hr)	(lbs/hr)	(psi)	(bar)
784KM.CO2	0.34	81	189	5000	345
30.CO2	0.68	162	378	2200	152
30RS.CO2	0.68	162	378	2200	152
301.CO2	0.68	162	378	2150	148
781KM.CO2	0.82	196	456	5000	345
781KMRS.CO2	0.82	196	456	5000	345
351.CO2	1.22	295	649	1500	103
5CP2921	1.7	406	945	2500	172
310.CO2	1.75	418	973	2200	152
1861KM.CO2	2.5	615	1352	3000	207
1560M.CO2	2.5	624	1372	4000	276
3507CM.CO2	3.5	890	1958	5000	345
3801KM.CO2	3.5	836	1946	5000	345
1051CM.CO2	4.0	955	2224	2200	152
1050M.CO2	4.0	955	2224	2200	152
1530RSCM.CO2	5.0	1194	2780	1800	124
1951	5.0	1194	2780	1450	100
1951K	5.0	1194	2780	1450	100
6801KM.CO2	6.5	1676	3687	7000	483
1540ECM.CO2	7.0	1670	3674	1200	83
6811KM.CO2	7.2	1719	4003	5000	345
2831KM.CO2	10.0	2388	5560	1200	83
3520CM.CO2	11.4	2722	6338	2000	138
6821KM.CO2	16.0	3821	8896	3000	207
3535CM.CO2	19.4	4633	10786	1200	83
3831KM.CO2	19.4	4633	10786	1200	83
6841KM.CO2	30.0	7164	16680	2000	138
6861KM.CO2	50.0	11940	27800	1200	83

\* Flow and pressure may vary based on inlet/temp. conditions. Custom flows and pressures available upon request.

Contact Cat Pumps for more information at [info@catpumps.com](mailto:info@catpumps.com) or 763-780-5440



### CAT PUMPS

1681 - 94TH LANE N.E. MINNEAPOLIS, MN 55449-4324  
 PHONE (763) 780-5440 — FAX (763) 780-2958  
 e-mail: [techsupport@catpumps.com](mailto:techsupport@catpumps.com)  
[www.catpumps.com](http://www.catpumps.com)