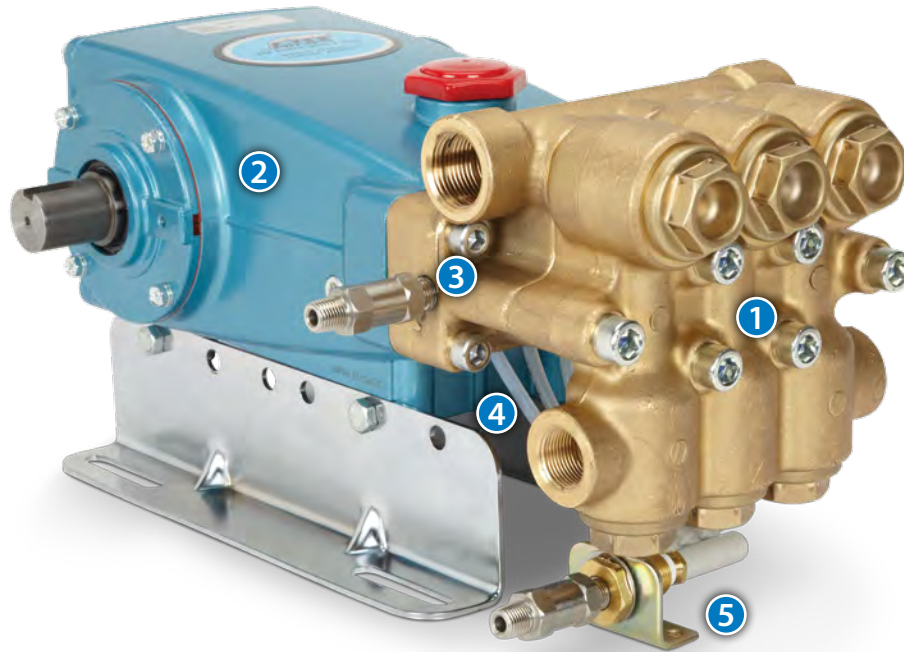


LIQUID CO₂ PLUNGER PUMPS



For over 20 years, Cat Pumps has provided dependable liquid carbon dioxide (CO₂) pumping solutions, working closely with research facilities, universities, and equipment manufacturers to develop reliable solutions in challenging CO₂ applications.



0.34 - 50 GPM – 400 - 7,000 PSI

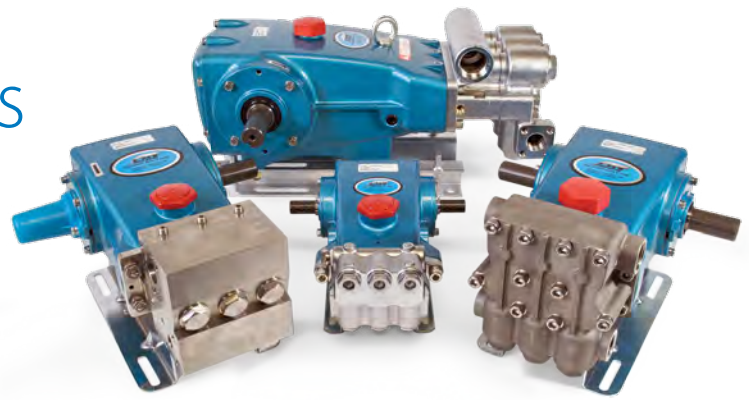
CO₂ Pump Features:

- 1** Inverted manifold provides improved passage for trapped air to escape through the inlet and return to the tank, avoiding potential issues caused by vapor bubbles in the discharge line. Special formulated seals allow for improved operation with the low temperature and low lubricity properties of CO₂.
- 2** Drive-end contains upgraded materials and component design to accommodate the high inlet pressures required to maintain CO₂ in a liquid state.
- 3** Flush manifold offers protection from damage caused by CO₂ leaking past the high pressure seal. Included check valve prevents ambient air from entering pump manifold. Port can also be used for an optional glycol flush for added protection from freezing.*
- 4** Vented seal retainers offer secondary protection against any CO₂ that escapes past the low pressure seal, preventing damage to the drive-end or pump manifold.*
- 5** Seal retainer manifold and check valve allow the escape of vapor while excluding air and humidity from entering, which can result in ice build-up.*

In addition to receiving the most reliable high pressure pump available in the market place, Cat Pumps also has a dedicated and knowledgeable customer service team that will help in the selection and troubleshooting of liquid CO₂ pumping applications.

* Flush and vented seal retainers only required on 15 frame and larger pumps.

Industrial Duty Pumps for Liquid CO₂ Applications



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 or 763-780-5440



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