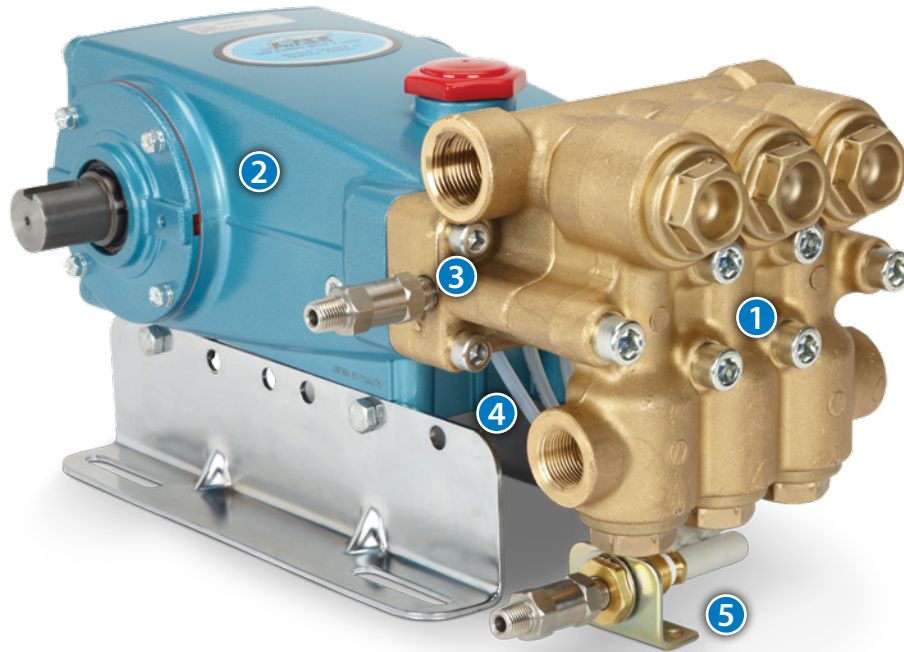


LIQUID CO₂ PLUNGER PUMPS



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

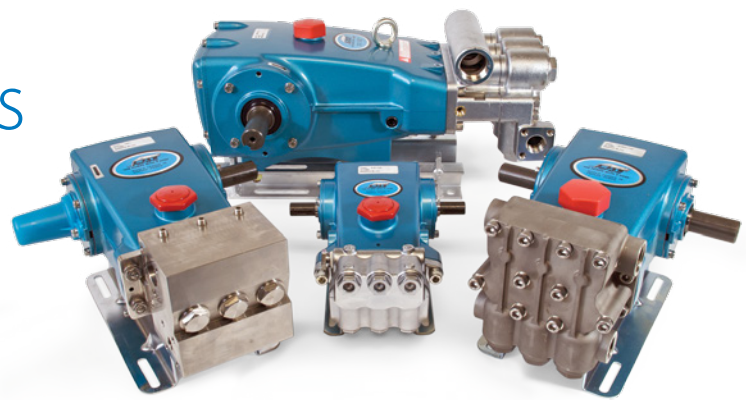
CO₂ Pump Features:

- 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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