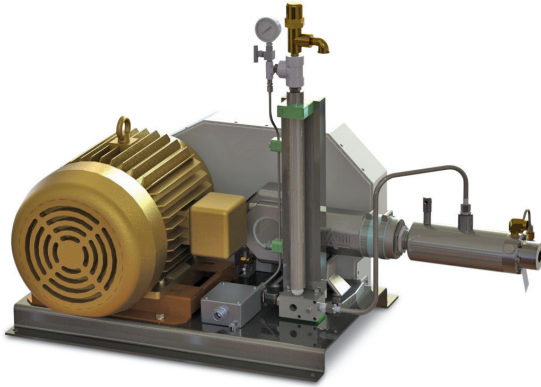


Model ACPD Cylinder Filling Pumps



Specifications: standard ACPD systems

Bore x Stroke	in	1.0 x 0.79	1.0 x 1.26	1.2 x 0.79	1.2 x 1.26
	mm	25 x 20	25 x 32	30 x 20	30 x 32
Flow Rate	gpm	0.23 – 1.20	0.37 – 1.92	0.34 – 1.73	0.54 – 2.76
	lpm	0.88 – 4.56	1.41 – 7.27	1.27 – 6.56	2.03 – 10.46
Maximum Pump Design Rating	hp	15	15	15	15
	kw	11	11	11	11
NPSPR	psi	2	2	2	2
	bar	0.1	0.1	0.1	0.1
Maximum Suction Pressure	psi	300	300	300	300
	bar	20.7	20.7	20.7	20.7
Maximum Working Pressure	psi	6000	6000	4000	4000
	bar	414	414	276	276
Speed Range	rpm	100 – 515	100 – 515	100 – 515	100 – 515

Consult Nikkiso ACD engineering to confirm available sizes and ratings.

Features & Benefits

- Vacuum jacketed cold end helps minimize heat leak leaks and reduce product loss
- Stainless steel drive housing for extended pump life
- Split drive end housing for easy maintenance access
- Monel suction strainer for oxygen compatibility
- Grease lubricated, sealed-for-life bearings for extended operation
- Extended stem vacuum port with positive seal for improved vacuum integrity
- Intermediate purge connection allows for extended packing life
- Positive locking drive coupling for improved safety operation

Applications

- Cylinder filling
- Test stand

Liquids Pumped

- Nitrogen
- Oxygen
- Argon
- Hydrogen
- Methane

Typical Scope of Supply (SKID)

- Vacuum jacketed cold end with grease lubricated drive assembly
- Electric motor with belt drive and guard
- Stainless steel drive housing
- Hot dipped galvanized steel skid
- Over pressure switch and gauge
- PLC control panel (NEMA 4) with combination motor starter and running time meter (shipped loose)
- Discharge line with high pressure relief valve and surge chamber
- Low pressure vent valve
- Monel suction strainer