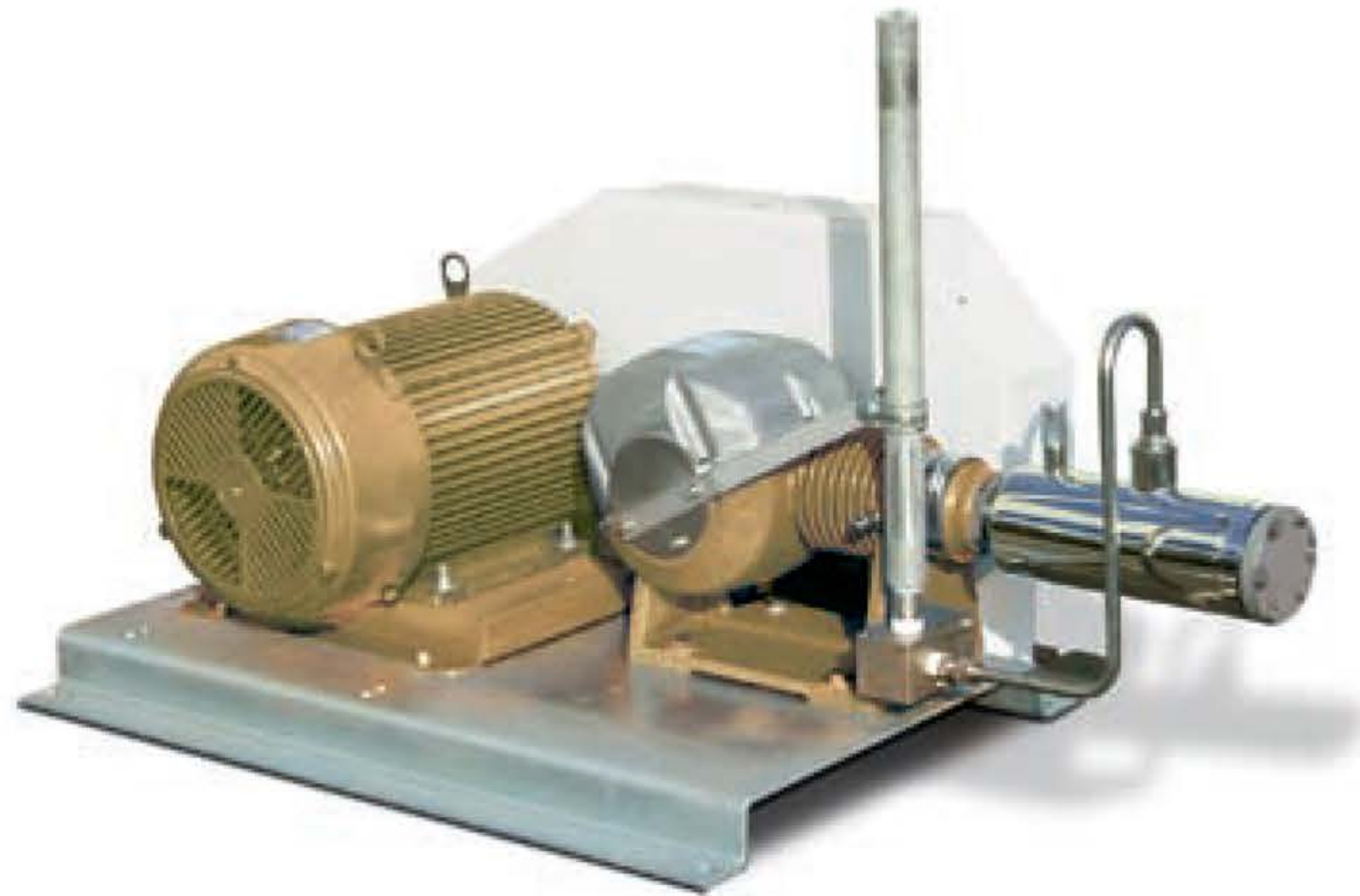


NDPD SERIES

CYLINDER FILLING PUMP



SPECIFICATIONS: STANDARD NDPD SYSTEMS

Bore x Stroke	in	1.2 x 1.26	1.2 x 0.79
	mm	30 x 32	30 x 20
Flow Rate	gpm	1.98–2.74	1.24–1.72
	lpm	7.48–10.4	4.5–6.4
Pump Design Rating	hp	7.5/10/15	7.5/10
	kw	5.6/7.5/11	5.6/7.5
Working Pressure	psi	3,500	3,500
	bar	241	241
NPSPR	psi	2	2
	bar	0.14	0.14
Maximum Suction Pressure	psi	300	300
	bar	20.7	20.7
Maximum Working Pressure	psi	up to 4,000	up to 4,000
	bar	up to 267	up to 267

Consult ACD engineering for actual performance ratings.

FEATURES & BENEFITS

- Vacuum jacketed cold end helps minimize heat leak and reduce product loss
- Monel suction strainer for oxygen compatibility
- “Dry” lubricated grease packed bearings with re-greasable fittings for extended operation
- Split drive end housing for easy maintenance access
- 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

- N₂, O₂, Ar, H₂
- Methane (LNG)

TYPICAL SCOPE OF SUPPLY

- Vacuum jacketed cold end and drive assembly
- Electric motor with belt drive and guard
- Hot dipped galvanized steel skid
- High pressure switch gauge (shipped loose)
- Control panel (NEMA 4) with combination motor starter and running time meter (shipped loose)
- High pressure relief valve with discharge line and surge chamber
- Vent line with manual valve and low pressure relief valve
- Monel suction strainer

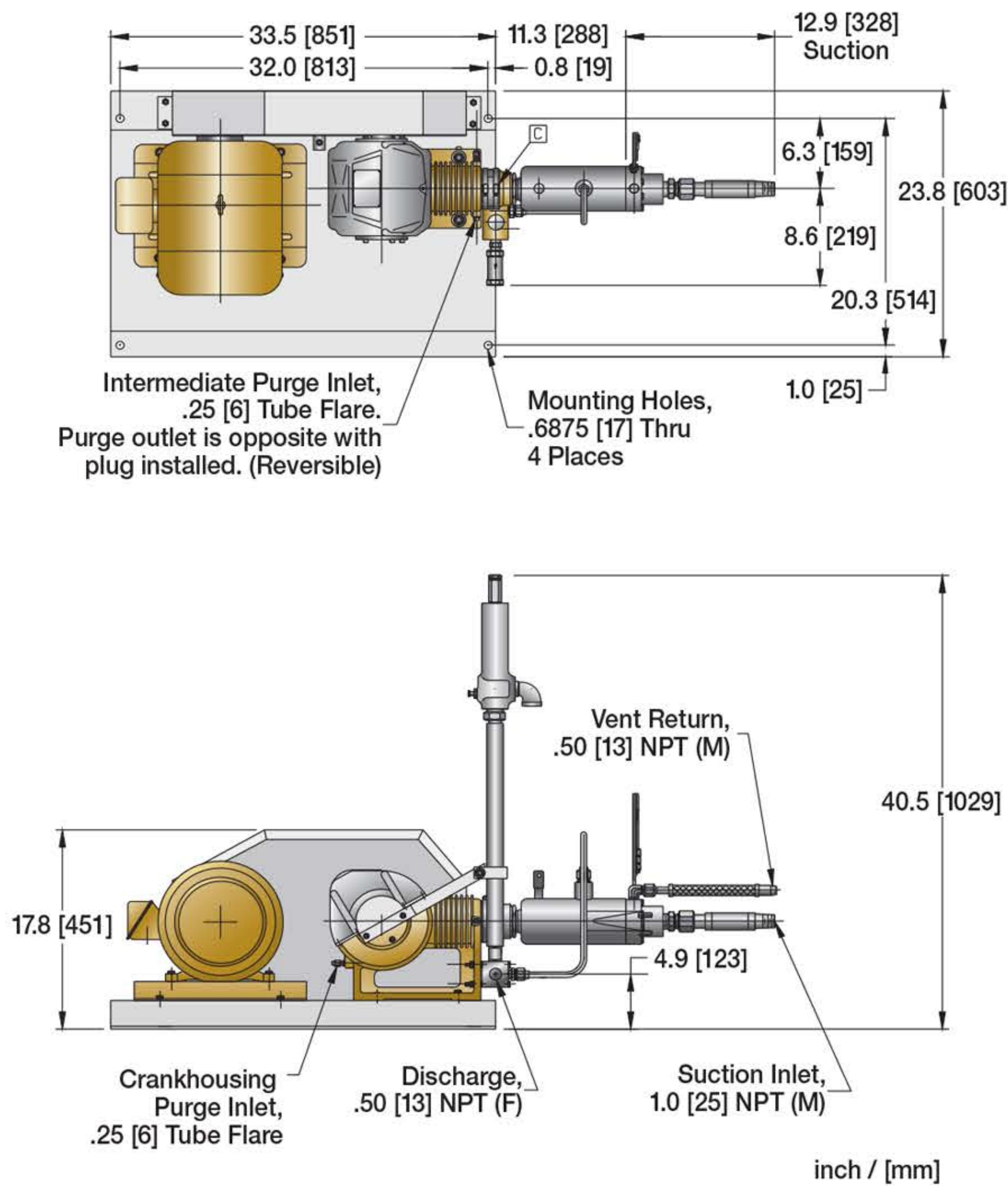
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**INTERNATIONAL
TECHNISYSTEMS INC.**

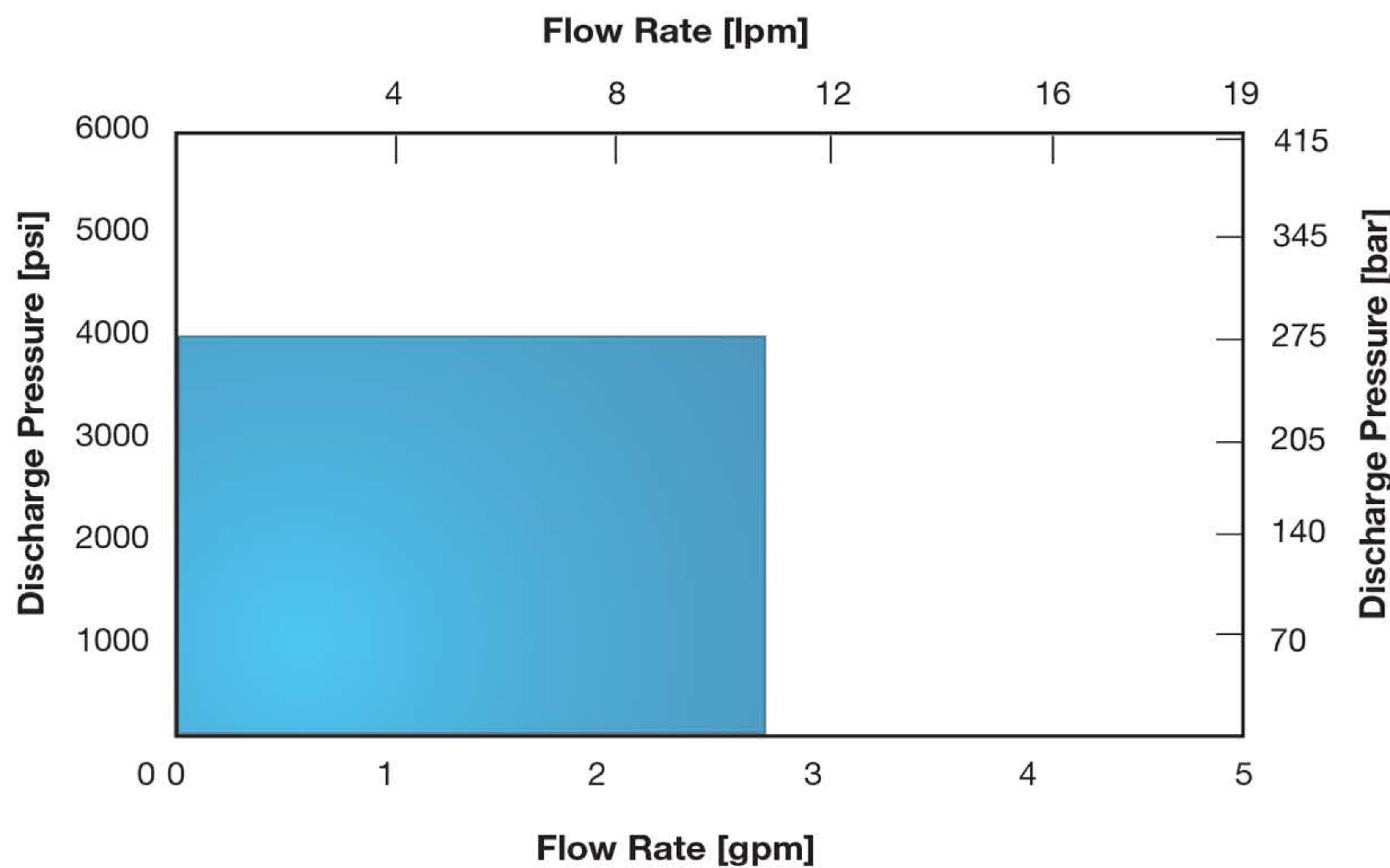
NDPD SERIES

OVERALL DIMENSIONS: TYPICAL



Contact ACD for construction dimensions.

PUMP PERFORMANCE MAP



60 HZ performance

OPTIONAL ACCESSORIES

- Automatic control panel
- Loss of prime detector (cavitation protection)
- Over pressure switch
- Shaft seal leak detection
- Installation kits (based on supply tank)
- Bypass valve
- Auto cooldown temperature controller
- Vacuum jacketed suction adapter
- Foot mounted (vacuum jacketed cold end and drive assembly only) configurations
- Suction and tank return flex sections
- Liquid hydrogen configuration
- ASME high pressure relief valve

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