



NOVA Series

Cylinder Filling Pump

Applications

- ▶ Light to medium duty pressure cylinder filling
- ▶ Storage filling

Features & Benefits

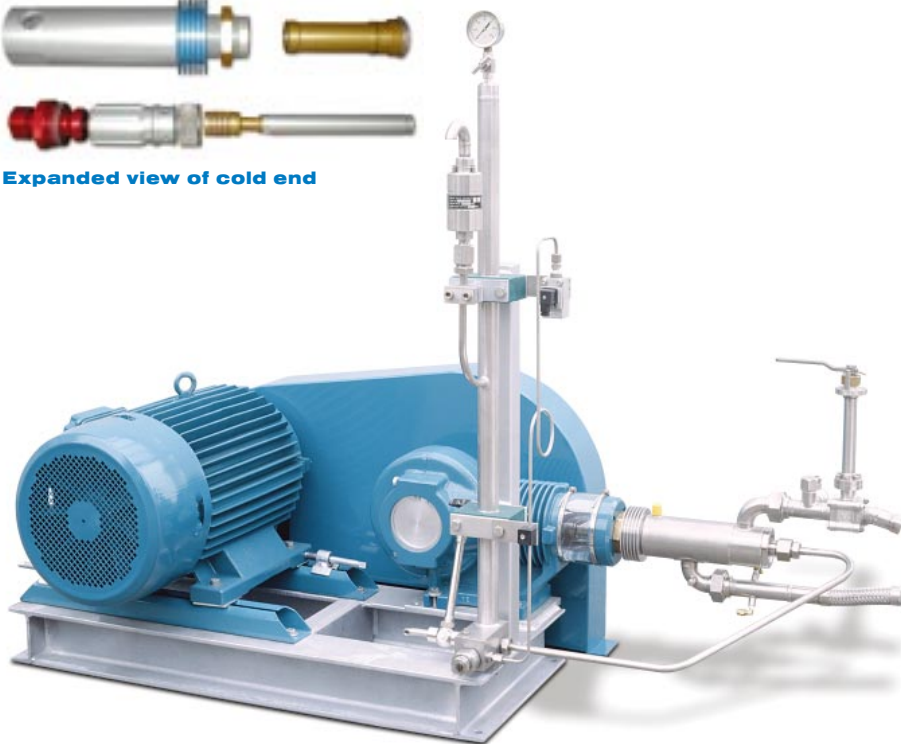
- ▶ Seal cartridge design allows for replacement in *three* minutes
- ▶ Cold end has only *five* components for quick and easy maintenance
- ▶ In-line pump assembly is perfect for operation with thermosyphon and cold converter tanks (150-250 psi, 10-17 bar)
- ▶ Low pump mass for faster cooldown and lower gas losses
- ▶ Inlet design provides positive pump feed, which lowers NPSHR
- ▶ Reduced cold creep during idling due to special fin design, which reduces surface area
- ▶ Very low operating noise ranges from 72-83 dBA

Liquids Pumped

- ▶ N₂, O₂, Ar



Expanded view of cold end



Specifications

Flow Rate

gpm	.369-6.4
lpm	1.4-24.3

Motor

hp	15-40
kw	11-30

Maximum Working Pressure

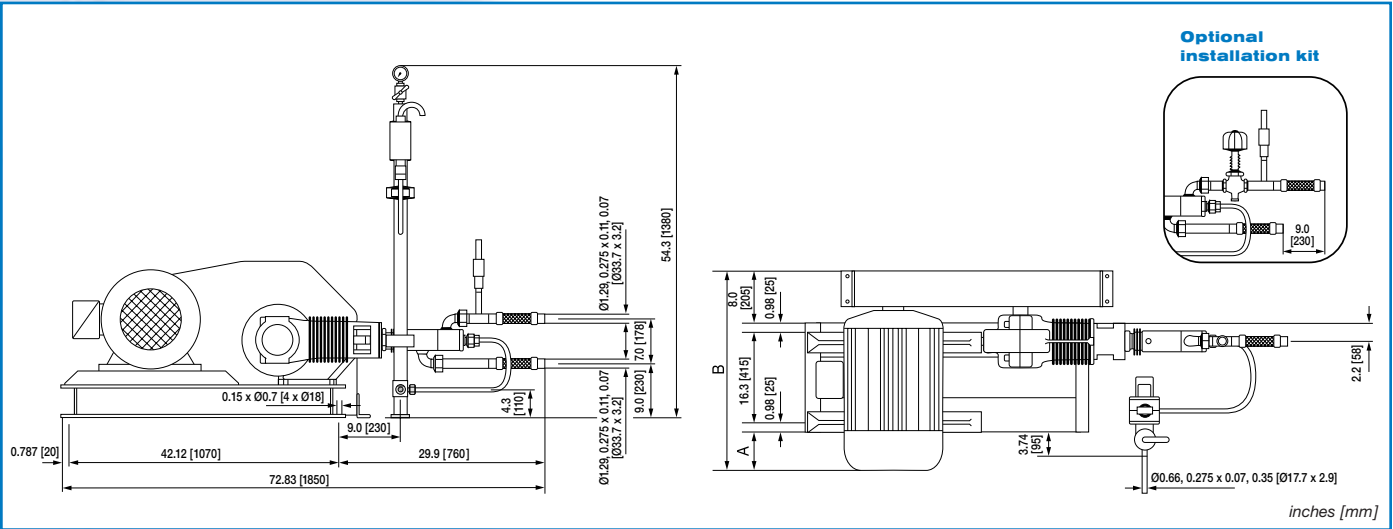
psig	5800
bar	400

Maximum Suction Pressure

psig	250
bar	18

NPSHR

feet	5-8
meters	1.5-2.5



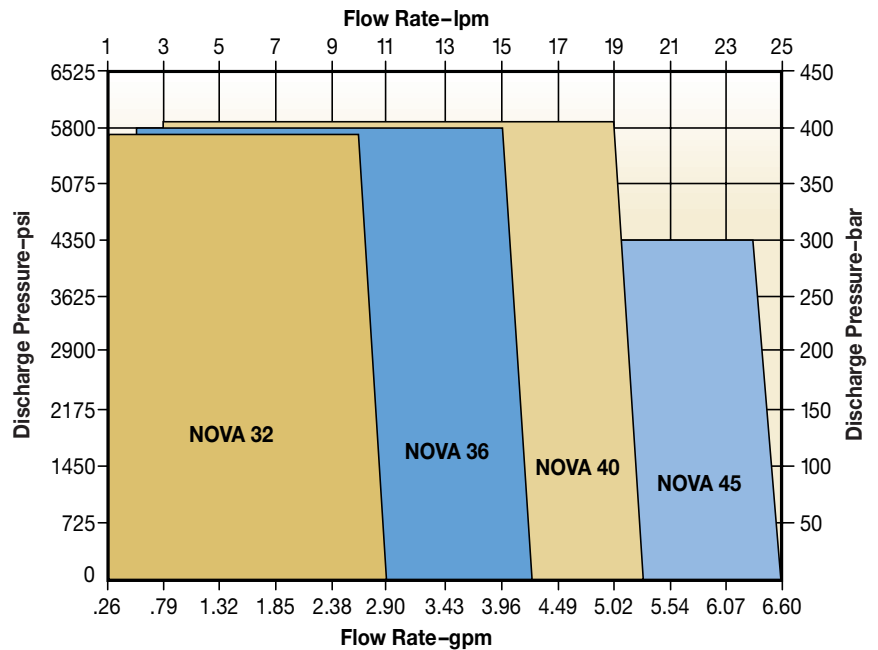
Scope of Supply

- ▶ Cold end and drive assembly
- ▶ Standard accessory package
- ▶ PLC control panel with combination motor starter and low voltage control transformer, high pressure switch/gauge combination, local control and running time meter (shipped loose)
- ▶ Galvanized skid

Optional Accessories

- ▶ Cool down lock-up
- ▶ Control panel (NEMA 3R for storage applications only)
- ▶ Cavitation protection
- ▶ Leak detection
- ▶ Gas saving solenoid valve (cold converter tanks only)
- ▶ Automatic electrical control panel
- ▶ Installation kits

Pump Performance Map



based on 60hz



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