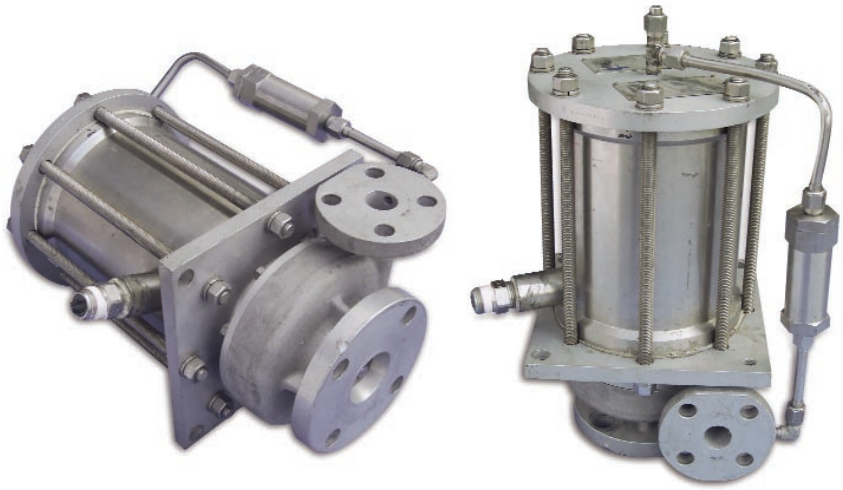
Members of CRYOGENIC INDUSTRIES

Model AC-32

Sealess Pump



Applications

- LNG filling station pump
- Fuel loading pump
- LNG peaking plant

Features & Benefits

- Pump and motor are fully flooded with liquid, minimizing start-up and downtime and guranteeing quick, responsive pumping
- Sealess design minimizes maintenance requirements
- No suction vessel means lower cost
- Multi frequency motor provides an efficient and broad range of operation and power
- Sealess zero leakage design is environmentally safe releasing no volatile organic chemicals and contaminates (VOC's) into the atmosphere
- Electrical motor and bearing life is extended being cooled by the cryogen it is pumping, heat input is minimal and carried off by discharging liquid
- Low NPSH inducer coupled with a variable speed soft start motor eliminates cavitation at pump start-up
- Suitable for Class I, Div I (IEC Zone 0 and 1)

Liquids Pumped

- N_2, Ar, CO_2, Methane (LNG, Ethylene, C_2H_4)

Specifications

Flow Range	
gpm	4-460
lpm	15-1514
NPSHR	
feet	0.5-16
meters	0.15-3.67
Differential Head	
feet	21-625
meters	6.40-207
Pump Design Rating	
hp	3-25
kw	2.24-19
RPM Range	
rpm	1500-7200

Model AC-32

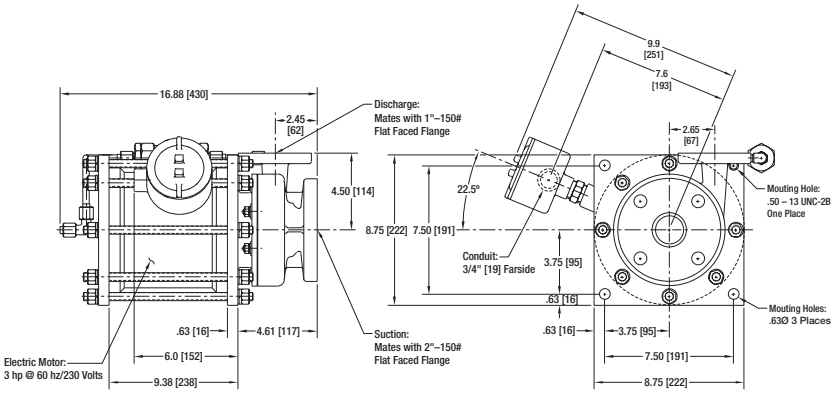
Scope of Supply

- Pump and integral VFD designed motor with hermetically sealed lead through
- Mounting flanges for mating connections

Optional Accessories

- Variable frequency drive
- Differential pressure gauge
- Loss of prime detector (cavitation protection)
- Stainless steel safety relief valve
- Dual conduit box per NFPA standards for LNG service

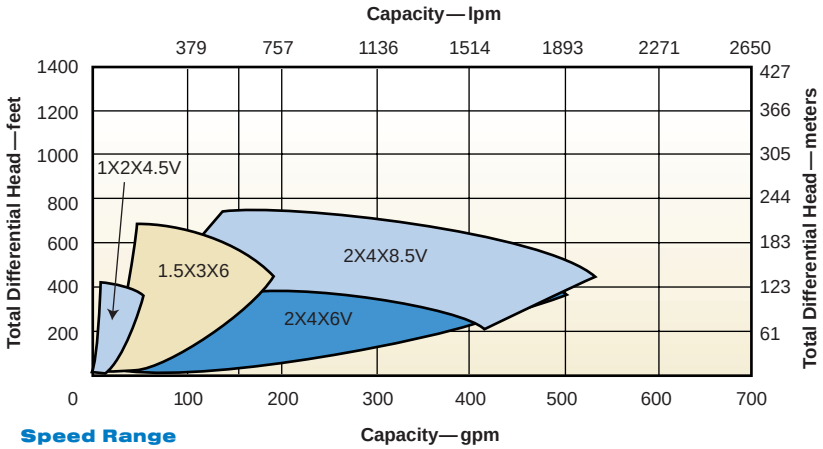
Dimensions



Representative of 1x2x4.5v

inches [mm]

Pump Performance Map



Speed Range

1x2x4.5	1500 to 7200
1.5x3x6	1500 to 7200
2x4x6	1500 to 5600
2x4x8.5	1500 to 5000

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