



PRECISION SEALLESS PUMPS PVT LTD

Efficient by Design

Drop-in Replacement

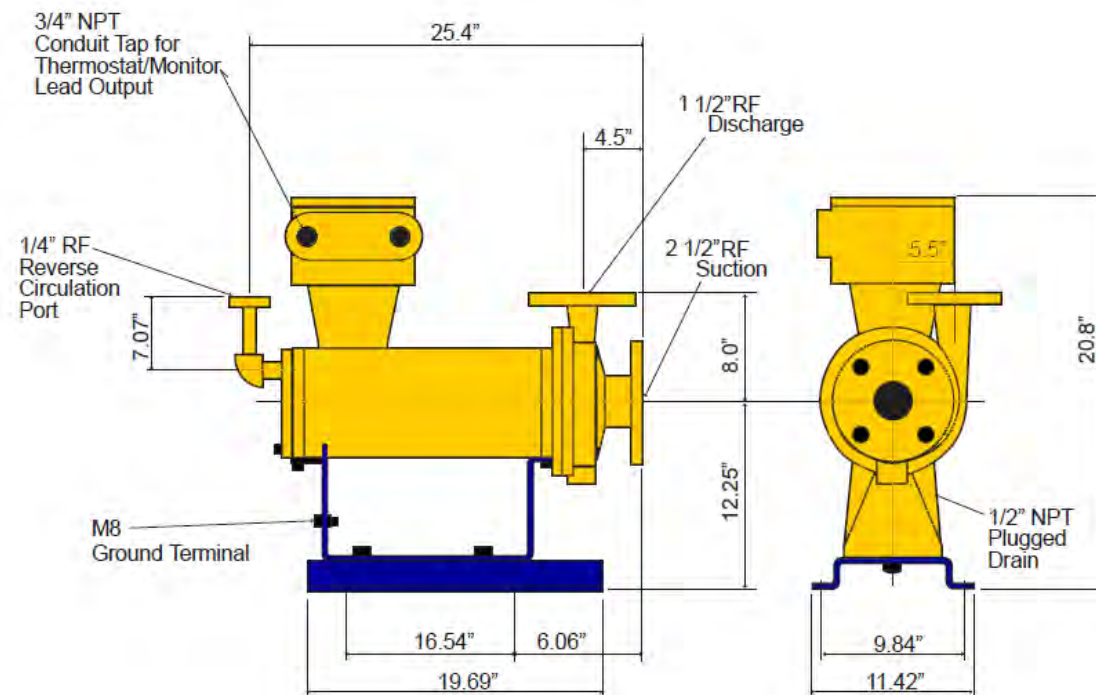
Precision retrofit pumps are ideal replacement candidates for existing Imported & Others Indian make Ammonia pumps.

AMMONIA PUMP SPARES

The Pump have few spares i.e. one set of self lubricated Carbon Bush Bearing, Bearing Sleeve, Thrust Washer & Gasket & O-ring Sets, these Spares are recommended to stock for all clients for fields replacement and for smooth running of pumps for years.



PUMP DIMENSIONS



PRECISION SEALLESS PUMPS PVT LTD

Unit no.06, Building no.01, Extension no.01, Rajprabha udyog nagar, Golani naka, Waliv Vasai (E) Palghar-401208. Phone: +91 70660 29374 / 70660 29375
Web: www.precisionpumps.in / <https://seallesscannedmotorpumps.com>
Mail: precisionpumpspvtltd@gmail.com, info@precisionpumps.in

Cost Economical | Energy Efficient | Compact Design | Leakage Proof | Short Delivery



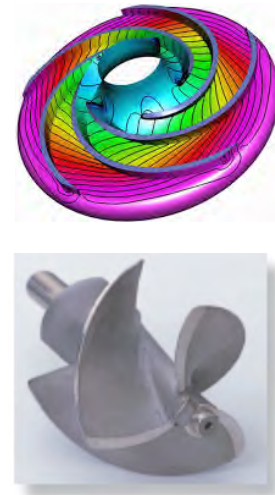
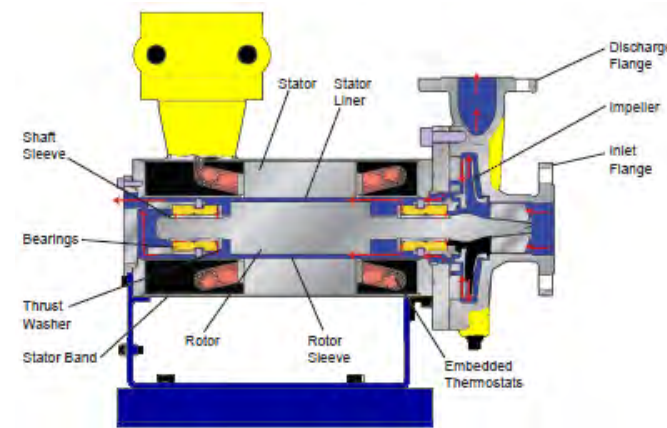
INNOVATIVE - ① RC Series AMMONIA PUMPS

The demand of liquid Ammonia Pumps are increasing day by day in different segments of refrigeration Industries and this is because of its unique advantages and benefits with the overfeed system. Liquid Ammonia pump is the heart of the Overfeed system which pumps the liquid ammonia throughout the refrigeration system and it is important that it should run without any leakage and Trouble free operation for years.

PRECISION Offers you the best liquid ammonia pumps with sealless canned motor technology with high efficiency and quality, outstanding durability ,reliability , inexpensive operation and ready stock availability.

APPLICATION

- Cold Storages
- Fish & Meat Plant
- Dairy
- Breweries
- Ice Cream Plants
- Ice Plants
- Pharmaceutical & Chemical Plants
- Refineries & Petrochemical Refrigeration



PUMPS MODEL DETAILS :

| PUMP MODEL | FLOW (m ³ /hr) | HEAD (m) | MOTOR POWER (KW) | RATED CURRENT (AMP.) | ØS SUCTION | ØD DISCHARGE | WEIGHT (K.G) |
|---------------|------------------------------|-------------|------------------------|----------------------------|---------------|-----------------|-----------------|
| RC 32-160/1.5 | 5.0 | 25 | 1.5 (2 HP) | 4.8 | 50 (2") | 32 (1.25") | 75 |
| RC 32-160/2.2 | 8.0 | 35 | 2.2 (3 HP) | 6.3 | 50 (2") | 32 (1.25") | 90 |
| RC 40-200/2.6 | 10 | 45 | 2.6 (3.5 HP) | 6.8 | 65 (2.5") | 40 (1.5") | 95 |
| RC 40-200/3.7 | 15 | 50 | 3.7 (5 HP) | 9.0 | 65 (2.5") | 40 (1.5") | 100 |
| RC 40-200/5.5 | 20 | 55 | 5.5 (7.5HP) | 12.5 | 65 (2.5") | 40 (1.5") | 110 |
| RC 40-250/7.5 | 25 | 75 | 7.5 (10 HP) | 15.2 | 65 (2.5") | 40 (1.5") | 120 |

MATERIAL OF CONSTRUCTION

| | |
|------------------|-----------------------|
| CASING | : SG IRON / C.I / CF8 |
| IMPELLER | : SG IRON / WCB / CF8 |
| BEARING | : CARBON GRAPHITE |
| BEARING SLEEVE | : SS316 + HCR |
| THRUST WASHER | : SS316 + HCR |
| STATOR CAN | : SS316L |
| GASKET / O-RINGS | : CFT/PTFE |
| FLANGES | : ANSI B16.5 150# |
| SHAFT | : SS410 / SS304 |

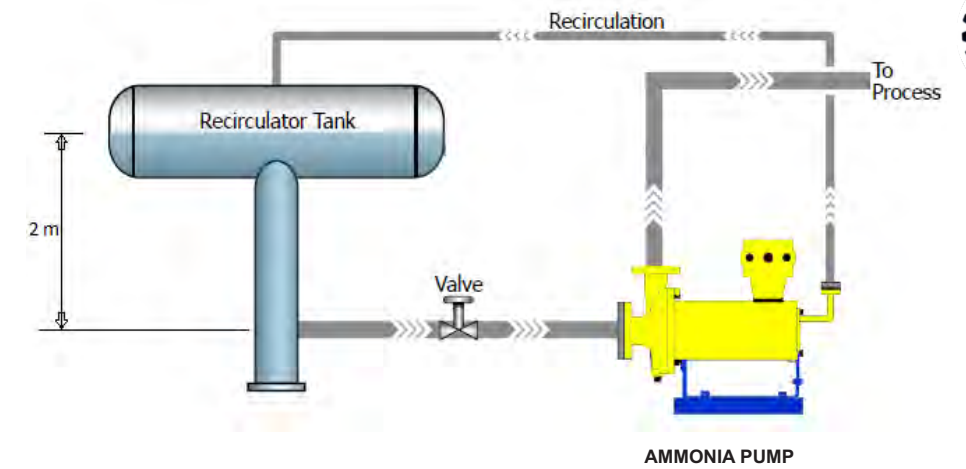
CANNED MOTOR SPECIFICATIONS

OPERATING TEMPERATURE : +30 TO -120°C
 UPTO 7.5 KW (10HP)
 SYNCHRONISING SPEED 3000RPM
 VOLTAGE 415V
 FREQUENCY 50Hz
 ENCLOSURE : IP66

Note : Motor upto 18.5KW (25HP) are available on demand as per higher flow & head requiremen ts.

RECOMMENDED PIPING ARRANGEMENT

The key to the successful ammonia process application is the circuit design. All piping should be installed in such a way as to permit any trap gas to migrate into the L.P Receiver.



BENEFITS

- Highly Efficient - Low Operation Cost
- Compact Size & Less Floor Space
- Product Lubricated & Cooled
- Hydro-dynamic Bearing Design
- True Secondary Containment
- No Alignment Required
- No Mechanical Seal



PERFORMANCE TESTING BED



SITE INSTALLATION