



*We're Serious About Sealless Performance.*

## Leakproof Pumps for Hydrofluoric Acid

### Experience

- Manufacturer of **Leak Proof** Canned Motor Pumps for 50 years.
- Serving the Chemical Process, Petrochemical and Refining Industries.
- Certification for the ASME Boiler and Pressure Vessel Code, Section III, Class 1, 2 & 3 since 1971.
- Design criteria for both Aqueous and Anhydrous HF Solutions.

### Materials of Construction

- 316 SS, Alloy 20, Hastelloy C, Monel and K-Monel offered as standard.
- Standard bearing system designed for HF service.
- Patented pure silicon carbide bearing system featuring fail safe capability is available.



*Chemump NC Series*

### Design

- **Sealless pump:** No dynamic, rotating seals.
- **Secondary containment:** Eliminates the possibility of leakage into the environment.
- **Designed to fully comply with API-685 Standards.**
- Meets **ANSI B73.3 Specifications.**
- **Real-time Bearing Wear Monitor:** IntelliSense diagnostic system provides diagnostic and predictive maintenance capability.
- Bearing flush arrangements available in a number of configurations to suit process conditions.

### QA, Testing & Certification Options

- Chemump Lethal Service design controlled to Section VIII of the ASME Pressure Vessel Code.
- Material traceability and certification (CMTRs).
- Welding certification to ASME Section IX.
- Radiography of castings and/or welds.
- Liquid penetrant inspection of welds.
- Certified performance test.
- Certified NPSH test.
- Certified hydrostatic, pneumatic and/or helium leak testing of primary and secondary pressure boundary component.
- Special cleaning and passivating of internal, wetted parts.
- FM, CSA or European Underwriting for hazardous area classifications.

## Features and Benefits

- **Safety** - Secondary containment standard.
- **IntelliSense Diagnostic Monitor** - Indicates bearing wear as well as real time position of the rotating assembly.
- **Enhanced Reliability** – Only two bearings and one rotating assembly. Simple design with no alignment required.
- **Space Savings** - 1/3 the size of comparable frame mounted pumps.
- **Spare Parts** – Common wear components that are interchangeable across the range.
- **Service** – Fully staffed service centers located across the country.
- **Noise Reduction** – Operates less than 85 dBa.
- **Special Designs** - Vertical, Submerged, Low flow-High head, and High Speed configuration also available.



Chempump NC Series Cut-Away

