



CORNELL PUMP COMPANY

Liquid Overfeed Refrigerant Pumps

250 PSIG WORKING PRESSURE

Mechanical Seal	Type	Material	Working Pressure*
1.25" Diameter	Double	Standard	250 PSIG
1.62" Diameter	Double	Standard	250 PSIG
2.0" Diameter	Double	Standard	250 PSIG

Standard construction includes a John Crane Mechanical Seal with a 250 PSIG pressure rating. John Crane Mechanical seals with higher pressure ratings are available upon request.

Pressure containing castings are constructed of ASTM A395 60-40-18 ductile iron. ASTM A395 60-40-18 ductile iron was selected for the optimal combination of low temperature mechanical shock resistance and high strength. ASTM A395 60-40-18 ductile iron pressure containing castings are designed, constructed and assembled to have an ultimate strength sufficient to withstand at least three times the rated working pressure.

Standard flanges on all Cornell Refrigerant Pumps are class 150 with flat faces. The flanges are constructed of ASTM A395 60-40-18 ductile iron and maintain a 250 PSIG pressure rating for operating temperatures in excess of – 65° F to 100° F. Class 300 flanges with higher pressure rating are available upon request.

** The working pressure associated with 1.5CLB, 1.5CB, 1.5CBH, 2CBS, 2CB, 2.5CBH, 3CB and 4CB Cornell Refrigerant Pumps is 250 PSIG at operating speeds not to exceed 1800 RPM. Please consult factory for applications associated with higher operating speeds or working pressure requirements, which exceed 250 PSIG.*