

Evaporator System Keyword pkevap

Evaporator System rated at 45,000 lbs/hr. Unitech Titanium falling film evaporator manufactured in 1993 but unused until 2008 when it was operated for approximately 9 months. Includes Incoloy 825 vapor body, 15,862 SqFt heat transfer section with 872 Grade 2 Titanium 2 inch OD tubes x 36 ft long, and MVR compressor driven by a 500HP motor. Design train capacity is 92 GPM, distillate flow 83.95 gpm. This converts to 44,457 lbs/hr water evaporation.

[Item 380-EQ-870](#)



Components shown here

[380-EQ-882 - Vapor Compressor \(MVR\)](#)

MVR Vapor Compressor by A C Compressor Corporation. Model # D20JR, Serial # 1634-11671. 22543 ACFM Centrifugal Air Compressor. Single stage with buffered labyrinth type shaft seal. Features a cast iron housing with a stainless steel impeller and shaft. Inlet temperature 223° F, Inlet pressure 15.6 MMH2O, Discharge pressure 19.52 MMH2O, Rated speed 6289 RPM. Driven by a Siemens, Type CG II 500 HP, 1775 RPM, 4000 volt motor. Motor rated for 60 amps @ 60 Hz. Compressor is coupled to motor through a Westech high speed gear unit with oil cooler, model # 10705. Includes starter.

[Item 380-EQ-882](#)



[380-PU-872 - Recirculation Pump](#)

Recirculation pump. 4350 GPM @ 65TDH, Alloy D20, Durco Mark III Centrifugal pump, Size 3K10x8-16H/160RV. Driven by 125 HP motor.

[380-PU-872](#)

[6174 - CIP system](#)

(2) Plate & frame alfa laval M6-FG Heat exchangers. CIP tank, pump and filter.

[Item 6174](#)



Qty	Asset Number	Description	Manufacturer	Model
Evaporator Components Saskatchewan, Canada				
1	380-EQ-870	Evaporator system rated at 45,000 lbs/hr. Unitech Titanium falling film evaporator manufactured in 1993 but unused until 2008 then operated for approximately 9 months. Includes Incoloy 825 vapor body, 15,862 SqFt heat transfer section with 872 Grade 2 Titanium 2 inchOD tubes x 36 ft long; and MVR compressor driven by a 500HP motor. Design train capacity is 92 GPM, distillate flow 83.95 gpm. This converts to 44,457 lbs/hr water evaporation.	Unitech	
1	380-EQ-882	MVR Vapor Compressor by A C Compressor Corporation. Model # D20JR, Serial # 1634-11671. 22543 ACFM Centrifugal Air Compressor. Single stage with buffered labyrinth type shaft seal. Features a cast iron housing with a stainless steel impeller and shaft.	A C Compressor	D20JR
1	380-PU-872	Recirculation pump. 4350 GPM @ 65TDH, Alloy D20, Durco Mark III Centrifugal pump, Size 3K10x8-16H/160RV. Driven by 125 HP motor.	Durco	Mark III
2	6174	CIP system consisting of CIP Tank, pump, filter and (2) Plate & frame alfa laval M6-FG Heat exchangers	Alfa Laval	M6-FG
1	380-TK-840	Evaporator Feed Tank		
1	380-EQ-860	Deaerator Vessel		
1	380-EX-854	Pre-Heater		
1	380-EQ-846	Evaporator feed Filter 1		
1	380-EQ-848	Evaporator feed Filter 2		
1	380-TK-873	NAOH Tank - Caustic Tank		
1	380-AG-875	NAOH Tank Agitator		
1	380-EQ-879	NAOH filter		
1	380-PU-877	NAOH pump		
1	380-TK-862	Dist. Feed Tank		
1	380-TK-884	Tank		
1	N/A	Drive couplings are by Rexnord and system features oil control and vibration analysis with a Bently Nevada 3300 system.		
1	380-PU-844	Evaporator Feed Pump		
1	380-PU-864	Evaporator Condenser Pump		
1	380-PU-866	Defoamer Pump		

Terms: All equipment is sold As Is Where Is, Subject to prior sale and availability. All quotes are in US Dollars unless specifically noted otherwise. Description of the equipment - especially those relating to capacity, size, or condition - are stated as clearly as possible for information to the buyer or observer. The descriptions and representations cannot be taken as accurate. The buyer has the sole responsibility to determine size, capacity, capability, suitability, condition, or any other attribute pertaining to the piece of equipment represented or purchased. The assets are sold "As Is", "Where Is" and "with all faults" and except as explicitly stated in the Contract for Purchase. All warranties, including, without limitation, the warranties of merchantability, quality, and fitness for a particular purpose are hereby expressly excluded. Seller makes no representations or warranties as to design, condition, capacity, performance, or any other aspect of the asset.