

Winterizing System. Designed by Gianazza, capacity 100 TPD. Includes a pre-cooling tank, (3) 45 MT winterizing cells with top entering agitators, (2) 1600 sq ft pressure leaf presses, ammonia refrigeration system. Designed to produce 100MTPD of winterized soybean oil, and 11.1 MTPD of stearine. Filter upgrade in 1991. Structural steel shed and catwalks also available if wanted.

3 Crystallizer tanks - Vertical carbon steel crystallizer for winterizing. Includes ammonia coils and top entering sweep agitator. Agitator is a Chemineer model 4HTA-3 with angle gear box driven by Baldor DC motor 3HP at 1750 rpm. Shaft is 13.5 rpm max. Winterizing system has automatic valves. On legs approx 4 ft off ground and 10 ft dia - Capacity 50,000 liter - working capacity is 45 MT.

Ammonia chilling system: Frick rotary screw ammonia compressor, RXB+, model XJS120S1760D. Uses R717 refrigerant - run time 19,899 hours. 3600 rpm, 350 psig. Has hollow shaft for ammonia cooling. Built 1999. Includes ammonia recirculation system, Phillips. Serial 92748; and ammonia evaporative condenser for winterizer system. Has 4 cells each with it's own squirrel cage fan. Designed for 5857 kg/hr ammonia load. Galvanized

Two Horizontal pressure leaf filter press. Falcon model THHVR-W-1600 with 1600 sf filtering area. Pressure 3 kg/cm2



**For a complete list of components & photos  
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# COMPONENTS

[\(Item 4376\)](#) Shaft cooler  
Ammonia shaft cooler for Frick compressor

[\(Item 4374\)](#) Ammonia Receiver  
Ammonia receiver

[\(Item 4372\)](#) Tank, Vertical  
Chill water tank. Has small top entering agitator. Used to chill filter prior to crystallized feed. With centrifugal pump

[\(Item 4380\)](#) Control panel  
Control panel for winterizer and electrical panel, and MCC and starters by Telemechanique

[\(Item 4371\)](#) Centrifugal pump  
Centrifugal pump with motor and bed plate. Designed for 9091 kg/hr max at 2.11 kg/cm<sup>2</sup> at 4.4C. Used as a filter feed pump

[\(Item 4379\)](#) Pressure vessel, vertical  
Pressure tank, carbon steel. Size approx 6 ft dia x 8 ft tall, dish top/bottom. Used as winterizer press blow down and heel tank.

[\(Item 4382\)](#) Additive tank  
Small carbon steel additive tank with proportioning pump. Tank approx size is 4 ft dia x 6 ft tall - capacity 550 gallons.

[\(Item 4375\)](#) Ammonia recirculation system  
Ammonia recirculation system, Phillips. Serial 92748

[\(Item 4367\)](#) Evaporative Condenser  
Ammonia evaporative condenser for winterizer system. Has 4 cells each with its own squirrel cage fan. Designed for 5857 kg/hr ammonia load. Galvanized

[\(Item 4373\)](#) Ammonia Compressor  
Frick rotary screw ammonia compressor, RXB+, model XJS120S1760D. Uses R717 refrigerant - run time 19,899 hours. 3600 rpm, 350 psig. Has hollow shaft for ammonia cooling. Built 1999.

[\(Item 4377B\)](#) Filter Press  
Horizontal pressure leaf filter press. Falcon model THHVR-W-1600 with 1600 sf filtering area. Pressure 3 kg/cm<sup>2</sup>.

[\(Item 4377A\)](#) Filter Press  
Horizontal pressure leaf filter press. Falcon model THHVR-W-1600 with 1600 sf filtering area. Pressure 3 kg/cm<sup>2</sup>.

[\(Item 4381\)](#) Tank, Vertical  
Vertical tank, carbon steel with centrifugal pump out pump. Tank capacity 6700 liters or 1750 gallons. Used for stearine tank

[\(Item 4378\)](#) Slurry Tank  
Vertical carbon steel tank used as a slurry tank. Capacity 1000 liters, with top entering agitator and centrifugal recirculating pump. Size is approx 3 ft dia x 4 ft tall, sitting 4 ft off floor with platform. Flat top/cone bottom. Used as winterizer filter pre-coat tank.

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**(Item 4368)** Crystallizer

Vertical carbon steel crystallizer for winterizing. Includes ammonia coils and top entering sweep agitator. Agitator is a Chemineer model 4HTA-3, serial number 1-85583-3 with angle gear box driven by Baldor DC motor 3HP at 1750 rpm. Shaft is 13.5 rpm max. Winterizing system has automatic valves. On legs approx 4 ft off ground and 10 ft dia - Capacity 50,000 liter - working capacity is 45 MT

**(Item 4369)** Crystallizer

Vertical carbon steel crystallizer for winterizing. Includes ammonia coils and top entering sweep agitator. Agitator is a Chemineer model 4HTA-3, serial number 1-85583-1 with angle gear box driven by Baldor DC motor 3HP at 1750 rpm. Shaft is 13.5 rpm max. Winterizing system has automatic valves. On legs approx 4 ft off ground and 10 ft dia - Capacity 50,000 liter - working capacity is 45 MT

**(Item 4370)** Crystallizer

Vertical carbon steel crystallizer for winterizing. Includes ammonia coils and top entering sweep agitator. Agitator is a Chemineer model 4HTA-3, serial number 1-85583-2 with angle gear box driven by Baldor DC motor 3HP at 1750 rpm. Shaft is 13.5 rpm max. Winterizing system has automatic valves. On legs approx 4 ft off ground and 10 ft dia - Capacity 50,000 liter - working capacity is 45 MT

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