

Introducing the Berg Ammonia Recovery Unit

End users and contractors can now remove ammonia from refrigeration systems knowing their health and safety are protected.



Ammonia is an energy-efficient and cost-effective refrigerant but it needs to be properly handled when servicing your system. If ammonia finds its way into your facility's atmosphere it is more than just a bad smell. It poses a threat to your primary operating concerns – the health and safety of your staff and your neighbours. Berg's Ammonia Recovery Unit (ARU) meets that challenge head on.

Industries using ammonia-based refrigeration, such as food & beverage, cold storage and recreational ice, recognize the need to eliminate poorly designed and unreliable jury-rigged recovery systems. Replacing them with Berg's purpose-built ARU allows ammonia recovery with less risk of leak or accident during the process. With a Berg ARU in place, staff breathe easier when working near ammonia.



Berg presents our safety-critical Ammonia Recovery Unit (ARU)

- Recovers and liquifies refrigeration ammonia for storage and returns stored ammonia to the refrigeration system, as needed
- Processes up to 90 lbs of ammonia per hour
- Portable design fits through standard production plant doorways
- Touch screen HMI eases and speeds operation
- Rugged, factory-tested industrial design
- Safety and performance built-in with PLC controls, and properly selected components and fittings for your operation
- Ideal for large refrigeration plants and contractors

Specifications

Mass Flow Rate per hour	90 lb / 40 kg at 45°F SST 48 lb / 22 kg at 20°F SST 37 lb / 17 kg at 10°F SST
Dimensions [L x W x H]	86" x 34" x 56" 218.4 cm x 86.4 cm x 142.2 cm
Weight	1,500 lbs 680 kg
Lifting Points	Forklift channels Overhead crane via frame
Movement	Manual or by winch
Power Supply	230 / 1 / 60 Hz Custom power supply available upon request
Electrical Components	CSA / UL certified
Power Cord Length	25 feet 7.6 meters
Interface	Schneider 5" touch screen full colour HMI
Control	Berg Proprietary PLC

Safeties	High side pressure relief valve 300 psig Low side pressure relief valve 250 psig High pressure cutout switch 250 psig Oil pressure switch
Features	Suction & discharge temperature sensors Suction & discharge pressure transmitters Compressor motor current transmitter Suction accumulator liquid level switch Suction Accumulator Heater CPR Valve Discharge Check Valve
Unit Connections*	Suction: 1" MPT Compressor discharge: 3/4" MPT Condenser outlet: 3/4" MPT Relief valves header: 1 1/4" MPT Suction accumulator drain: 1/2" FPT
Compressor	Open type / belt driven reciprocating 3 HP ODP premium efficiency 750 RPM Water cooled heads (50% PG) Clavus G68 oil 61.6 fluid ounces 58°F SST max

*CERTIFIED AMMONIA PURPOSE HOSES MUST BE USED