

Van Steenburgh

Engineering Laboratories, Inc.

Over 15 Years Serving the Industry Worldwide

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Refrigerant Reclaim System

Recovery Systems move refrigerants from one place to another
Recycle Systems capture refrigerants and do some cleaning

Reclaim Systems return refrigerants to virgin (purity) specifications, meeting ARI 700 Standards for resale

Series JV

Ideal for In-Shop Work

Maximum Separation

The **Van Steenburgh** system provides maximum separation of oil, acid, moisture, and hard particle contaminants through its unique method of pumping the refrigerant liquid or vapor at high velocity and high temperature into the Separation Chamber as it drops to near zero velocity. This causes the oil, acid, water and hard particle contaminants (copper chips, etc.) to drop to the bottom where they can be retrieved along with the maximum amount of retrievable oil.

No other system does this.

Sub-Cooling

The vapor from the Separator passes through the compressor to the air condenser where it is condensed to liquid. It then passes to the Chill Chamber(s) where it is sub-cooled to 15° to 40° F / -9° to 4° C. This aids in the transfer of the refrigerant to a cylinder or system at room temperature or

warmer. It also enhances the drying/filtering process.

No other system does this.

Drying/Filtering

Sub-cooled refrigerant dries more efficiently. We take advantage by re-circulating the sub-cooled refrigerant at the rate of 300-400 lbs. / 136.3 to 181.8 kg an hour (average based on ambient range). This means maximum drying.

No other system does this.

Pump Vapor

The **Van Steenburgh** system employs patented Compressor Liquid Injection during vapor removal. This means we pump a cylinder or system to atmospheric pressure **without harm to the compressor!** Get those last pounds. Don't send them back to the vendor with your empty cylinders.

No other system does this.

Non-Condensables Separation

The combination of sub-cooling, which causes non-condensables to rise quicker, and the on-board storage where the refrigerant is constantly being re-circulated, means maximum separation. The "air out" switch allows you to purge all non-condensables.

No other system does this.

Additional Features

- Unique multiple thermal expansion valve design
- Oil Sight Gauge on compressor
- Float valve safety shut off on storage/Chill Chambers (backed by 3 additional safety shut offs to prevent overfilling on-board storage)
- Laboratory quality gauges
- Visual check points to monitor drying
- "Straight through" capability

Van Steenburgh Series JV



- Ideal for in-shop work
- Powder coated steel cabinet
- Manufactured to customer's specifications with options to handle R-12, R-22, R-500 & R-502 and *all* alternates in the same range with one machine utilizing a unique multiple thermal expansion valve design
- Two Horsepower Hermetic Compressor
- Pumps to required vacuum levels with no harm to the compressor
- Patented Liquid Injection
- Measurable *oil out* facilitating the servicing process
- Meets all EPA certification requirements for Section 608
- Performance results exceed the requirements for *Maximum Allowable Levels of Contaminants* as outlined in ARI Standard 700-1999
- Refrigerants which have been cleaned will pass the purity testing process required for resale
- UL listed
- **Available with self-clearing option** facilitating rapid and multiple changing of refrigerants while retaining speed and the on-board storage feature

Specifications

Dimensions

W - 28 in. / 71.1 cm

D - 24 in. / 61.0 cm

H - 60 in. / 152.4 cm (with casters)

Weight

460 lbs. / 209 kg (approx.)

Compressor

Two Horsepower Hermetic

Refrigerants

R-12, R-22, R-134a, R-401A, R-401B, R-402A, R-402B, R-404A, R-407C, R-408A, R-409A, R-410A, R-410B, R-411A, R-411B, R-412A, R-414A, R-414B, R-416A, R-500, R-502, . . . and more

Reclaim Capacity

5 lbs. / 2.3 kg liquid per minute vapor slightly less

Control Circuit

115/120 VAC 60Hz

Electrical

208/230, 60Hz, 1Ph

Alternate Voltage available upon request

International Voltage available upon request

Amperage

20-amp service required

Storage Capacity (on-board)

90 lbs. / 41 kg

Pressure Gauges

laboratory quality

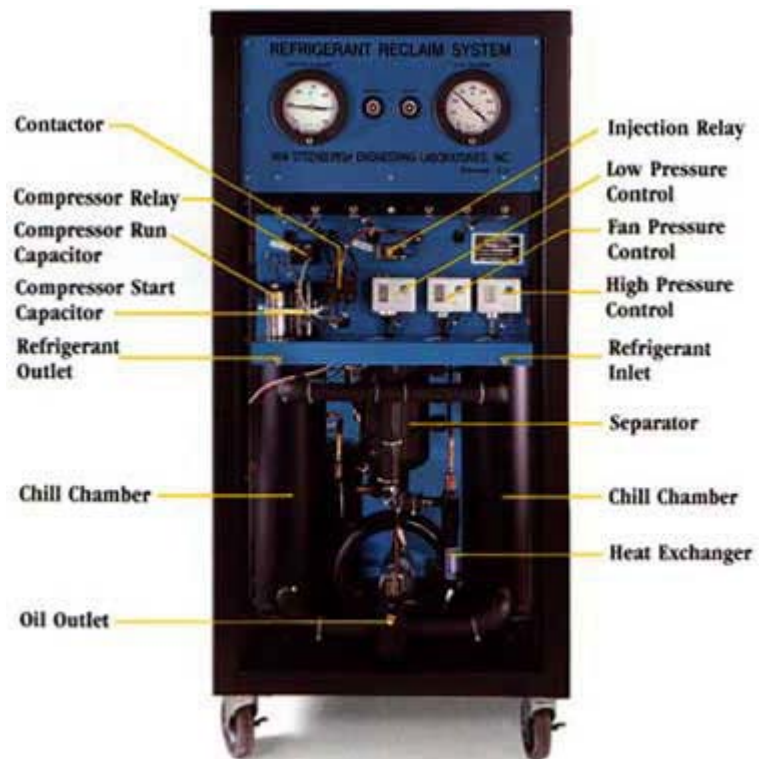
In/Out Valves

1/4in. / 6.3 mm SAE male flares

(3/8 in. / 9.5 mm also available)

Casters

5 in. / 12.7 cm heavy-duty ball bearing



Distributorships available – contact us today!