

Van Steenburgh

Engineering Laboratories, Inc.

Over 15 Years Serving the Industry Worldwide



VS-29 Deep Vacuum System

- ❑ **Takes any size cylinder or system to 29 in. / 737 mm Hg**
- ❑ **Allows you to retrieve the refrigerant normally not realized**

The new **VS-29 Deep Vacuum System** is designed with the larger refrigerant user in mind. Used in series with an appropriate reclaim/recovery system it recovers selected refrigerants from deep vacuum levels (29 in. / 737 mm hg) normally not realized in day-to-day operations. Its patented design makes it suited to any size cylinder or system with no overheating. This provides efficiency and savings by recovering refrigerant that exists between normal vacuum limits and that of deep levels. It is the ideal tool for distributors, large contractors, OEMs, marine users and more. Tests have proven it to be a perfect companion to the **Van Steenburgh RV-10 Recovery System**.

Specifications:

Width	20 in. / 50.8 cm	Weight	90 lbs. / 40.8 kg
Depth	23.5 in. / 59.7 cm	Voltage	115/1/60
Height	33 in. / 83.8 cm		220/1/60
Inlet/Outlet	3/8 in. / 9.5 mm SAE male flare	Amperage	10-amp service



**VS-29 Deep Vacuum System and RV-10 Recovery System
Evacuating a 10,000 lb. / 4,545 kg Cylinder**

VS-29 Deep Vacuum System is...

AS GOOD AS GOLD

At today's prices reclaimed refrigerant is just that.

Increase the efficiency of your day-to-day operations and realize the extra profit.

Recent technological advances by **Van Steenburgh** Engineering Laboratories make the management and retention of valuable refrigerant easier and more efficient. The following information shows you how to take advantage of these new engineering innovations and add **more profit** to your operations.

POSSIBLE APPLICATIONS

- Charging stations
- Returned cylinders in large volume
- Large operations inventory management
- In-house engineering groups
- Refrigerant Reclaim Centers



METHOD AND EQUIPMENT

Recent field tests have validated the use of the new **Van Steenburgh** VS-29 Deep Vacuum System and **Van Steenburgh** Recovery/Reclaim System in series. With the ability of the VS-29 Deep Vacuum System to "pull" any system or cylinder into a 29 in. / 737 mm Hg vacuum, this combination means a near complete elimination of residual refrigerant.

TYPICAL HOOK-UP

SOURCE	→ VS-29	→ RV-10 (or larger)	→ CYLINDER
any of above	pulls source to 29 in. / 737 mm Hg	cleans and converts to liquid	accepts and stores cleaned refrigerant

FIELD STUDY APPLICATION

A **VS-29/RV-10** combination system was hooked to a five-station automatic charging system at a major OEM facility. The system is currently running 16 hours per day. The five automatic charging stations are hooked to a manifold that is maintained at 25 in. / 635 mm Hg vacuum by the **VS-29**. When units are charged on the assembly line, the remaining refrigerant is pulled to the manifold and into the **VS-29**. Using the above diagram (*Typical Hook-up*) the refrigerant is sent to an **RV-10** recovery system where it is transferred to a waiting cylinder.

Results: 2.67 lbs. / 1.21 kg of refrigerant per hour are salvaged from the charging lines.

QUICK GLANCE AT THE NUMBERS: Refrigerant remaining – 0 PSIG @ 70° F / 21° C

	125 lbs. / 50 kg	1000 lbs. / 454.9 kg	1 Ton / 1.01 Metric Ton
R-12	.629 lb. / .285 kg	5.112 lb. / 2.32 kg	8.179 lb. / 3.710 kg
R-134a	.513 lb. / .233 kg	4.167 lb. / 1.89 kg	6.667 lb. / 3.024 kg
R-22	.447 lb. / .203 kg	3.638 lb. / 1.65 kg	5.821 lb. / 2.640 kg
R-502	.578 lb. / .262 kg	4.696 lb. / 2.13 kg	7.513 lb. / 3.408 kg
R-404A	.481 lb. / .218 kg	3.910 lb. / 1.77 kg	6.256 lb. / 2.838 kg