

Refrigerant recycling

Australian Refrigerant Recycling Systems Pty. Ltd. offers Atmos range of refrigerant recovery and recycling systems. A brief description of each model is given below:

1 The dry pump system VL50 DP is a multiple refrigerant liquid and vapour recovery unit. This machine's unique ability of recovering liquid or vapour refrigerant to a vacuum level -50 kPa lends itself to many applications in all facets of refrigeration and air-conditioning. Designed for medium-size systems, the robust unit can be handled easily. It includes suction and discharge oil separation, HP/LP control and ester lubrication;

1 V8 and VL10 models are multiple refrigerant vapour recovery units. V8 is a dry pump model developed for refrigeration gas charges up to 1 kg in a small lightweight package. This unit includes oil separation on suction inlet and outlet, vacuum scavenge, HP/LP control and ester lubrication;

1 Atmos UF150 workshop system is designed to complete all the tasks required for modern A/C service including A/C system flushing. It is suitable for working with light auto to heavy auto applications and also for transport refrigeration servicing;

1 The F10 oil separation flushing unit (external filter) is designed to remove mineral oil from an auto A/C system prior to retrofitting to polyol ester (POE) or poly alkaline glycol (PAG) oils. It is used together with either an Atmos V10, V45 or RR12 unit and a V45 unit in a closed loop flushing cycle using R-12 or R-22 as a flushing solvent;

1 L24 model is a liquid refrigerant recovery unit developed for the commercial, industrial and air-conditioning industries. It can transfer 240 kg/h of liquid refrigerant and oil from a system to a drum or pressurized container, and can also be used for refrigerant circuit flushing using R-11 or TMS solvent in a closed loop. Refrigerant recycling is feasible by adding an A96 liquid refrigerant accessory unit;

1 V45, a large-volume refrigerant vapour recovery unit, can recover liquid saturated vapour using new "Scroll" technology. Considerably lighter in weight than competitive units, it offers enhanced performance. An ideal unit for the commercial refrigeration industry;

1 A48 liquid refrigerant recycle accessory unit was developed for use with the V10 model. This combination has application for flushing pipe circuits to remove mineral oil concentrations for R-134a retrofitting; and

1 A96 liquid refrigerant recycling accessory unit is an add-on accessory to the L24 liquid and V45 refrigerant recovery unit. This enables the combination to be used for flushing burnt out or moisture contaminated systems using the original type of refrigerant as a flushing medium, with acid and moisture removal cores neutralizing contaminants in both the system and the medium.

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