



Capabilities Statement

The Only Australian Design and Manufacturing plant for Vacuum and Recovery equipment

Product Overview:

- Vacuum Pumps:
 - Rotary vane vacuum pumps
 - Diaphragm and oil free piston vacuum pumps
 - Roots Type vacuum pumps
 - Diffusion vacuum pumps
 - Cryogenic Vacuum Pumps
 - Turbo molecular vacuum pumps
 - Dry piston pumps
 - Scroll pumps
 - Screw Pumps
 - Claw Pumps
 - Turbostream blowers
- Refrigerant recovery equipment
- Refrigerant recycle and charging equipment
- Refrigerant handling equipment, liquid & vapour
- Automotive Charging stations
- Handheld refrigerant leak detection
- Refrigeration hand tools
- Digital Scales
- Refrigerant gauges and associated fittings
- Vacuum gauges:
 - Mechanical, capsule
 - McLeod, U tube & compression manometers
 - Thermocouple/Thermistor
 - Pirani
 - Penning
 - Capacitance
 - Ionization/Cold cathode

Vacuum Specific:

- Leak detection Helium
- Mass spectrometer leak detection 100AMU
- Turbo-molecular calibration facility to 10-6mbar

Service & Support Services:

- Vacuum Pumps:
 - Oil sealed vacuum pumps
 - Diaphragm and oil free piston vacuum pumps
 - Roots Type vacuum pumps
 - Diffusion vacuum pumps
 - Cryogenic Vacuum Pumps
 - Turbo molecular vacuum pumps
 - Dry piston pumps
 - Scroll pumps
 - Screw Pumps
 - Claw Pumps
 - On-site support service for larger vacuum systems
 - Refrigerant recovery equipment
 - Handheld refrigerant leak detectors
 - Refrigeration hand tools
 - Refrigerant scales
 - Charging stations
 - Refrigerant identification
- Service including refurbishment:
Vacuum coater service & refurbishment
or conversions
Freeze drier service

Client Profile:

- Government
- Defence
- Universities/Education
- Research/Laboratory
- Industrial
- Automotive
- Refrigeration HVAC
- Original Equipment Manufacturers
- Industry Wholesalers

General:

- Quality systems certified to AS/NZS ISO 9001:2000
- CE, TUV, UL & ARI product accreditation
- Recipient of Design awards for innovative high vacuum pumps
- Runner up for Prince Phillip Prize for Australian Design
- Approved government & defence supplier
- Approved UNOPS supplier
- Clean room facility
- High vacuum cleaning facility
- High vacuum practice
- Australia's sole Sales and Service Agent for Oerlikon Leybold
- Australian Distributor of the complete range of KNF products
- Design and manufacturing capabilities:
 - CAD drafting & in house PLC programming
 - Welding/Brazing

Vacuum Capabilities:

Since its inception in 1964, JAVAC has maintained its leading position in the Australian market for its technological and sophisticated approach to innovative product lines and customised solutions in many diverse areas. This includes design and manufacturing of vacuum systems and maintenance of the same.

The following list of a few of the major projects and systems the company has undertaken:

- High Vacuum coaters - Sputter, EB, HT
- Space simulation chambers
- UN and Defence vacuum projects
- Leak detection systems - decay & mass spectrometer based
- Vacuum transfer chambers & load lock facilities
- Turbo molecular, Cryogenic, Diffusion, sublimation pumping rigs
- Central vacuum stations, single and multi pump units
- High volume refrigerant recovery & recycle
- Transformer oil degassing & condensing units
- In vacuum product degassing facilities
- Impregnation units
- Freeze driers

