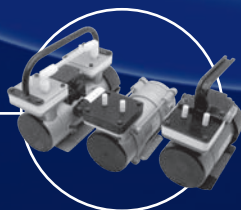
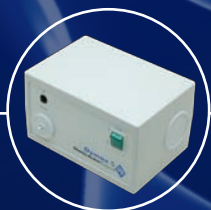


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APPLICATIONS

ROTARY EVAPORATION

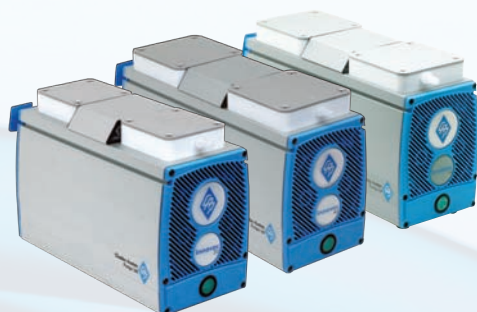
GEL DRYING

FUME EXTRACTION

DRUG MANUFACTURE

WATER-JET REPLACEMENT

FILTRATION



Innovac – PTFE Laboratory Vacuum Pump

The Innovac 20, 40 and 60 family of dry vacuum pumps are designed for use with corrosive gases and vapours in the laboratory. Offering class-leading performance, the Innovac features a unique composite bond PTFE diaphragm providing extended service life compared with existing technologies.

- Exceptional performance with flow rates up to 60 l/min and vacuum down to <8 mbar
- Low cost of ownership with full corrosion resistance, less downtime and unrivalled reliability
- Compact, rugged alloy case with flush folding carry handle, hour meter and service tool for quick easy decontamination or diaphragm replacement
- Complete range of accessories all of which retro-fit directly to the pump using the unique t-slot rail
- Applications ideas include laboratory benchtop use for filtration, rotary evaporation and gel drying. The Innovac 60 is ideal for installation into the benchtop serving several processes from one pump
- Range of chemically resistant lab tops and tubing available

Model	Flow l/min	Vacuum mbar abs	Dimensions mm	Weight Kg
Innovac 20 SE	20.0	60.0	261 x 214 x 136	6.6
Innovac 20	20.0	8.0	331 x 214 x 136	8.5
Innovac 40	38.0	8.0	393 x 214 x 136	11.6
Innovac 60	60.0	12.0	393 x 214 x 136	12.0



Innovac features

- 1 **Hour Meter** – Neatly recessed into the top of the pump casing is a handy hour meter, allowing the user to monitor planned maintenance intervals or record process running times.

Other features: T-Slot Rail, Cable Tidy and Carry Handle

Innovac optional accessories

- 2 **T-Slot Clamp**
The extremely low vibration level of the Innovac series allows components to be mounted directly to the pump using the unique t-slot clamp, removing the need for expensive and cumbersome base plates and scaffolding. All clamps are compatible with standard diameter laboratory stands.
- 3 **Separator Kit**
The separator can be used on both the inlet and outlet of the pump. When used on the pump outlet during exhausting to a fume extraction system the separator collects the vapour which condenses in the extraction ducting upstream of the pump. It also collects liquid carried over from the outlet head. The separator can also be used on the inlet of the pump to ensure maximum performance is maintained during 'wet' applications such as aspiration and gel drying. All separators are supplied complete with quick fit t-slot clamp, hose and holder and are coated with plastic for implosion protection.
- 4 **Condenser kit**
To trap emissions from the pump exhaust, the condenser kit can be fitted to the pump outlet side. It is mounted on normal laboratory clamps with the rings and universal joints supplied or directly onto the pump t-rail using Charles Austen Pumps unique quick fit t-slot clamp. Ideal for use on island benches where no fume extraction is available.
- 5 **Vacuum Controller kit**
Used to control precise vacuum levels and shut off the pump when not in use, the vacuum controller is invaluable for distillation and rotary evaporation. The splash resistant control panel is easily programmed by simply pressing the touch sensitive keys. The controller is fitted with a serial interface allowing connection to a PC (additional interface cable needed) for recording data and plotting graphs. Uniquely to Innovac the vacuum controller kit is entirely retro-fit and includes all necessary mounting brackets enabling quick fit mounting directly to the pump or remotely.

Accessory	Product Code
t-slot clamp	B02-155
separator kit	S08-100
condenser kit	S08-101
vacuum controller kit	C25-007

Dymax 5 & 14

- Whisper quiet oil free operation for contamination free pumping of air and gas
- Housed in a compact polycarbonate case with low noise operation and rugged reliability
- Conforms to the EN61010 laboratory safety standard
- Features include illuminated on/off switch and integral inlet filter with push-fit cap for easy access and quick cleaning
- Two versions are available the Dymax 5 for light pressure, vacuum or flow such as aspiration and gentle fume extraction and the higher performance Dymax 14 for light filtration and water jet replacement

Model	Flow l/min	Vacuum mbar abs	Pressure bar	Dimensions mm	Weight Kg
Dymax 5	5.0	500	0.8	210 x 125 x 151	1.9
Dymax 14	14.0	240	2.0	210 x 125 x 151	2.3

Vacuum Tweezer Kit

For use in conjunction with the Dymax 5 pump unit the vacuum tweezer kit retrofits to provide safe but positive holding of small micro components and delicate materials such as gold leaf. The finger-tip controlled vacuum pencil is light and comfortable to hold and is supplied with a variety of sizes and shapes of cups to suit most handling needs. The integral back-up filter guards against the loss of components being handled.



APPLICATIONS

- ASPIRATION
- GENTLE FUME EXTRACTION
- AIR SAMPLING
- AND PICK AND PLACE
- DOCUMENT RESTORATION

Capex 8C

- Oil free vacuum and pressure source, for intermittent or continuous duty applications
- Compact yet rugged aluminium case with flush-folding carry handle and built in cable tidy for ease of portability
- Incorporating unique t-slot rails for quick easy mounting of retrofit accessories such as collection flasks and vapour traps
- Also available with corrosion resistant components for use where aggressive vapours maybe present
- Exceptionally low cost of ownership with over 10,000 hours between service intervals

Model	Flow l/min	Vacuum mbar abs	Pressure Bar	Dimensions mm	Weight Kg
Capex 8C	8.0	240	2.0	265 x 212 x 136	3.75

APPLICATIONS

- WATER-JET REPLACEMENT
- MICROBIOLOGY EXPERIMENTS
- ASPIRATION
- FILTRATION
- BEAUTY THERAPY



Options

1 Needle Valve

2 Footswitch

ideal for aspiration applications.
Latching or non-latching switches available.
The footswitch is wired into the pump for ease of use.

3 Separator Kit



B85T

- Low cost alternative to the Innovac but still offering the same corrosion resistant construction
- Oil free operation to eliminate the risk of process contamination and disposal of lubricants
- Innovative construction materials ensure full chemical resistance to virtually all gases and vapours
- Lightweight design and integral carry handle for ease of transferring the pump between different work stations
- ATEX approved version for use in hazardous areas

Model	Flow l/min	Vacuum mbar abs	Pressure bar	Dimensions mm	Weight Kg
B85T SEP	20.0	60.0	1.0*	231 x 241 x 130	5.5
B85T DEP Series	20.0	8.0	1.0*	283 x 246 x 130	6.5
B85T DEP Parallel	38.0	60.0	1.0*	283 x 246 x 130	6.5
B85T EX	20.0	60.0	1.0*	251 x 194 x 116	7.6

*maximum safe working pressure

Liquid Series

L1C

- Self priming oil free transfer of liquids and air/liquid mixtures
- Incorporating unique t-slot rails for quick easy mounting of retrofit accessories such as collection flasks and vapour traps
- Compact yet rugged aluminium case with folding carry handle and built in cable tidy for ease of portability
- Optional components available to provide resistance to a wide range of corrosive liquids

Model	Flow l/min	Max Head m	Max Lift Dry m	Dimensions mm	Weight Kg
L1C	1.3	8.5	0.75	282 x 214 x 137	3.75

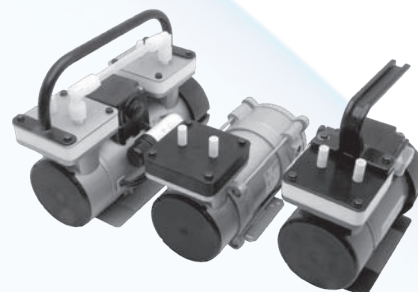
RD5C

- Extreme dry lift capability and self priming
- Patented rotary diaphragm technology
- Optional food grade materials available (FDA approved)
- Tolerates suspended particles and is able to run dry
- Featuring a tough alloy case with the unique t-slot rail for mounting of accessories
- Optional reverse flow switch available to enable the user to change direction of the fluid being pumped

Model	Flow l/min	Max Head m	Max Lift Dry m	Dimensions mm	Weight Kg
RD5S	5.0	20.0	8.0	282 x 214 x 137	5.1
RD5D	10.0	20.0	8.0	282 x 214 x 137	5.3

APPLICATIONS

- ROTARY EVAPORATION
- GEL DRYING
- RESEARCH EXPERIMENTS
- WATER-JET REPLACEMENT AND FILTRATION



APPLICATIONS

- LIQUID DISPENSING
- CONDENSATE REMOVAL
- SCAVENGING AIR/LIQUID MIXTURES



APPLICATIONS

- LIQUID DRUG DISPENSE
- DOSING
- FOOD PROCESSING
- LIQUID TRANSFER



Charles Austen Pumps also offer design assistance for your laboratory pump setup

