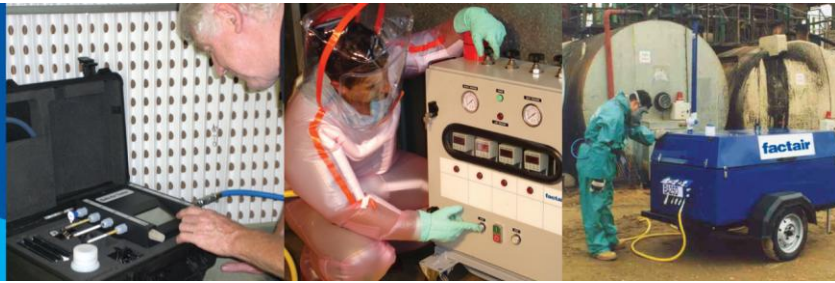


## F2269 CHILLED & HEATED AIR DIGITAL FLOW DISTRIBUTION PANEL



The F2269 is the most flexible addition to Factair's range of flow distribution cabinets. Building on the proven design of the F2121 and F2210 digital flow control panels the F2269 incorporates not only an air chiller but powerful heaters too. This makes it possible to reduce breathing-air output temperature thereby helping reduce heat stress for users in air fed suits. At the same time any of the outlets temperature can be raised to a maximum 50°C for the comfort of suit wearers in cold conditions.

The F2269 incorporates a microprocessor to control the alarms for the precise monitoring of breathing-air to each user. The unit is mounted on a manoeuvrable trolley, with flow distribution points easily accessible at waist height.

The input air to the panel must be dry and conform to EN12021.

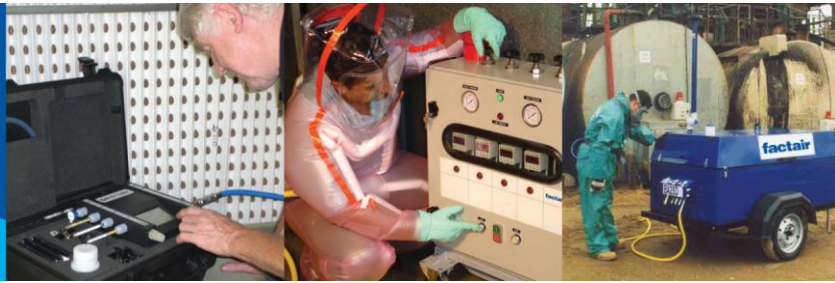
As standard, the flow distribution unit is fitted with a 24volt lead acid rechargeable battery, this provides 10 hours of operation and can be re-charged from either a 110volt or 240volt supply. Alternatively the F2269 can be operated directly from a mains supply.

The F2269 incorporates 4 flow channels each with electronic mass flow meters. The input pressure can be adjusted by a pressure regulator. The flow from each channel is then easily adjusted with a 'fine tune' control valve and the sophisticated alarm system allows each flow channel to be pre-set with its own airflow parameters. In the event of the alarm being activated, an audible warning will sound and a red beacon will flash on top of the unit. The LED display will identify the reason why the alarm has been activated. The alarm also features a mute option to silence the audible alarm and allow verbal commands to be issued, however the beacon will continue to flash. An automatic feature resets the alarm if the airflow increases again to above the minimum level. The alarm includes the following operating parameters:-

- Airflow monitoring – The alarm will activate if the airflow falls below or rises above the preset level
- Low primary supply pressure - Measured at the inlet to the unit
- Fully charged battery – The alarm will bleep every 7 seconds to indicate the battery is fully charged
- Low battery level – When the unit measures that the battery voltage is low a warning bleep will sound every 2.5 seconds
- Very low battery level – The alarm will sound continuously

A key additional safety feature is a lockout system that prevents the unit being turned off whilst air is passing through at least one channel. The F2269 is fitted within a robust lockable cabinet to ensure only authorised personnel adjust the settings.





The F2269 can be used with or without its adjustable temperature feature. This option helps to reduce user discomfort when working in areas with extreme ambient temperatures. The cooling system fitted to this unit will reduce the temperature so that the outlet temperature is about 8°C or raised to 50°C. When the air temperature is satisfactory the chiller is turned off to save power. These facilities can only be used while the unit is connected to the mains power supply but the flow control panel can run on its internal batteries if required.



| F2269   | Width   | Height  | Depth  | Weight |
|---|---|---------|--------|--------|
|   | 630 mm  | 1848 mm | 740 mm | 170 kg |
| Flow meter range  | 0-1250 LPM  |         |        |        |
| Flow per channel at maximum chilling rate                 | 480 LPM   |         |        |        |
| Mains electrical requirements chiller and for the heaters | 1 phase 115 volts 50 Hz 15.5 Amps, Recommended supply 16 Amp                                  |         |        |        |
| Inlet Pressure  | 3-10 bar  |         |        |        |
| Chiller details   | Max inlet temperature 55°C<br>Coolant R407C - charge 0.78Kg, Gas pressure 4.5 bar             |         |        |        |
| Heater details  | Individual 400W heaters with feedback sensors, including automatic cooling purge on shutdown. |         |        |        |
| Outlet connections  | 4 off to suit your requirements   |         |        |        |