



**APEX**

**GASGEN**

**Dry Air Midi 3**



## Description

The DryAir range uses regenerative PSA technology to remove water vapour from compressed air. Wet air is directed into one of the two desiccant chambers, where nearly all of the water vapour is removed. A small portion of the laboratory air dryer outlet gas is redirected back through the off-line desiccant chamber, purging it of the accumulated moisture. The drying cycle alternates between the two chambers continuously. The unit is available in a custom enclosure with filtration and buffer tank or as an OEM module for integration into 3rd party equipment.

An Apex Laboratory Air Dryer is a useful attachment for any laboratory's external source of air, removing moisture and ensuring the delivery of dry air. Moisture content in the air can contaminate lab instrumentation, impacting on results and in some cases damaging the instrument itself. Compact in size, wall-mountable and light, our series of DryAirs requires little space and with few moving parts mean minimal maintenance is required.

The midi dryer series takes the apex customisation to another level. In this series, you can get dry air with flow rates between 56 & 473 l/min. Using the latest in PSA technology allows for output dew points as low as  $-70^{\circ}\text{C}$  and  $<1\text{ppm CO}_2$  concentrations. With easy installation and a simple maintenance program, the Apex Air Dryer is perfect for any laboratory.





## Features & Benefits

- Flow rates of up to 370 Litres/minute
- Operating pressure range of 3.5 Bar (50psi) to 10 Bar (145psi)
- Output dew points as low as  $-70^{\circ}\text{C}$
- PSA technology
- Easy installation
- Simple maintenance

# Technical Specifications

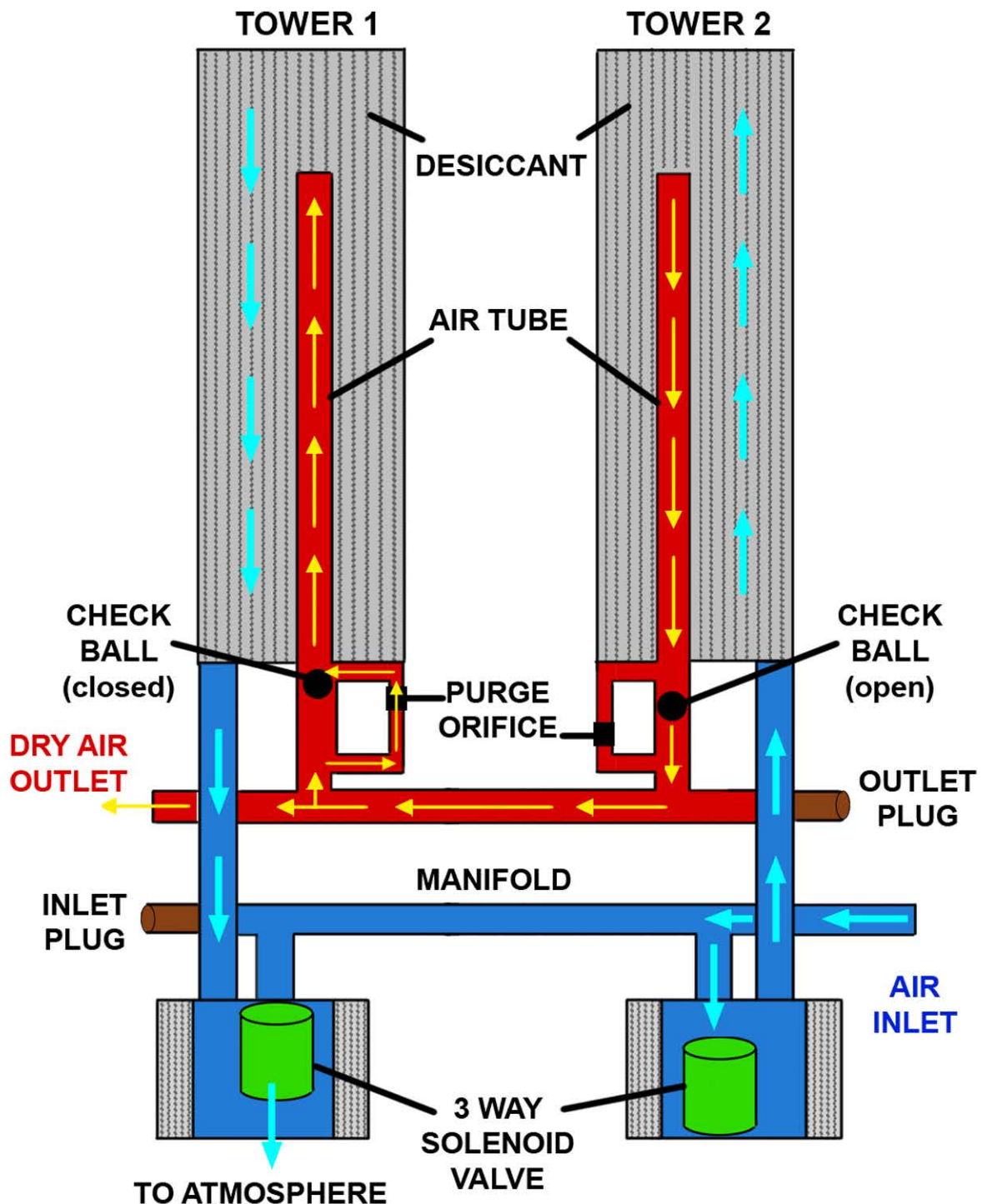
|  |                                    |
|--|------------------------------------|
| Model  | DA-MIDI 3                          |
| Output Air Dewpoint  | -40 C / 40 F / -100 F as an option |
| Max Air Inlet Temp   | 50 / 125 F                         |
| Weight   | 4.1 kg / 9 lbs                     |
| Depth  | 122 mm / 4.8                       |
| Height   | 409 mm / 16.1                      |
| Width  | 203 mm / 8                         |
| Output at operating pressure of 6.9 Barg/100psig at -40° C dewpoint in l/min | 155 L / Min                        |
| Inlet air requirement at operating pressure of 6.9Barg /100psig in l/min     | 227 L / Min                        |
| Output at operating pressure of 10barg/150psig at -40°C dewpoint in l/min    | 249 L / Min                        |
| Inlet air requirement at operating pressure of 10Barg /150psig in l/min      | 320 L / Min                        |
| Inlet / Outlet Ports   | 1/4 NPT (3/8 MPT with filters)     |





# How It Works

Air from an external source enters the generator via the inlet filters. Air then enters the first scrubber tower via a solenoid valve. After passing through the scrubber tower the now dry and CO free air exits the system via an outlet filter and regulator. A portion of the outlet air is diverted into the second scrubber tower to purge it ready for use. At regular intervals the active tower switches allowing each tower to be purged in turn.





## Contact Details

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