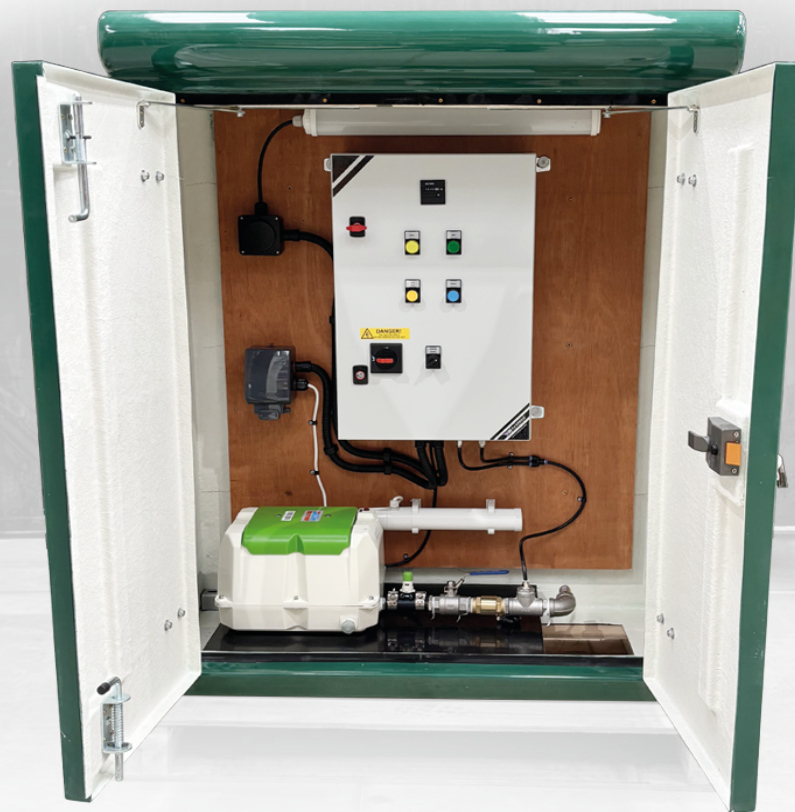


ATAC CHEMIX

Specifications



ATAC CHEMIX systems deliver a vigorous coarse air bubble pattern at the point of application, promoting efficient mixing and optimising the benefits of ferric dosing in the wastewater industry. Systems can be customised in a variety of configurations to suit a wide range of applications and are available with either standard or bespoke air diffusers. We also offer bespoke GRP dosing troughs, which provide even distribution of ferric across the width of a dosing chamber, further enhancing mixing efficiency.

The **CHEMIX Standard** system consists of one or two duty-only or duty/standby air diaphragm blowers. The **CHEMIX Large** version includes one or two side-channel blowers, also configured for duty-only or duty/standby operation. It is suitable for larger applications where greater airflow is required. These systems retain the same functionality as the air diaphragm CHEMIX system but include integral Variable Speed Drives, allowing the mixing energy to be fine-tuned on site.

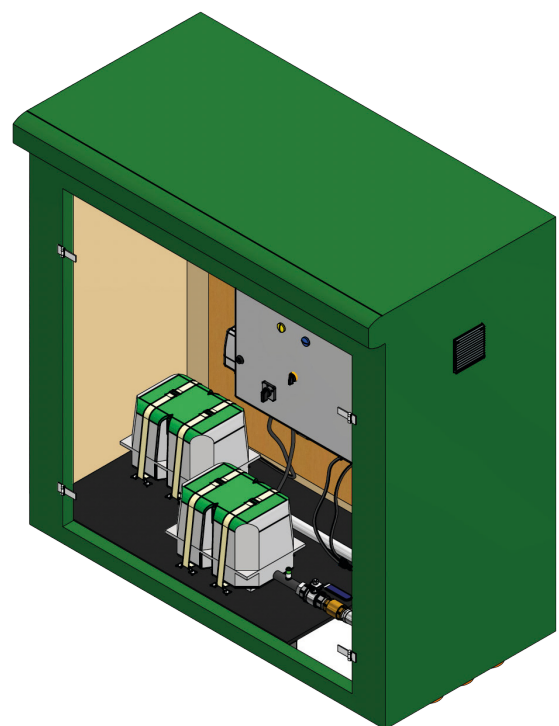
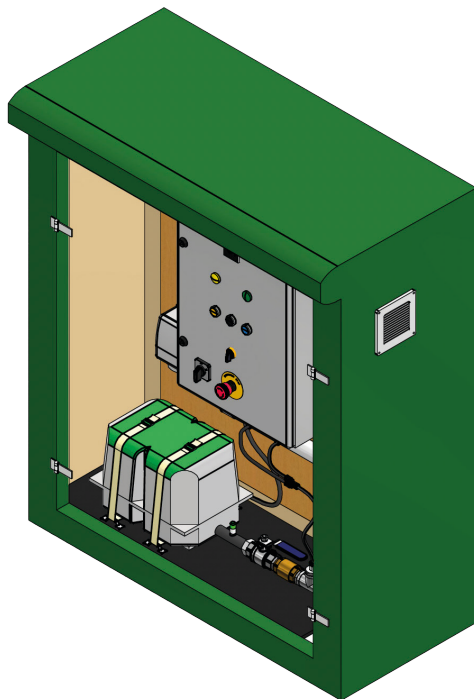
Adjustable high and low-pressure switches protect the system in the event of a hose or diffuser blockage or blower failure. Alarms are displayed locally, and telemetry outputs are provided for remote monitoring.

Both Chemix versions are supplied in a roadside kiosk with a local Control Panel, high and low-pressure switches, an LED light fitting and a thermostatically controlled tubular heater. The air delivery manifolds have mechanical NRV's and PRV's, and each system is supplied with up to 20m of wire reinforced air delivery hose.

CHEMIX can be configured to suit a wide variety of mixing chamber sizes and depths, delivering tailored solutions to meet specific site and client requirements.

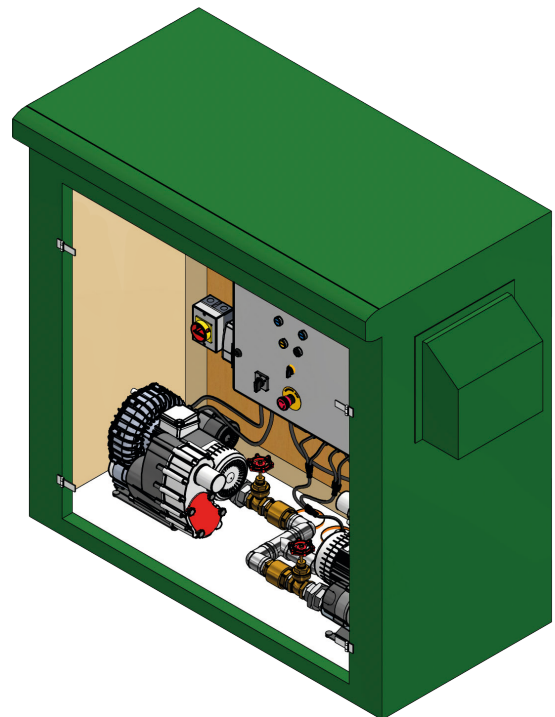
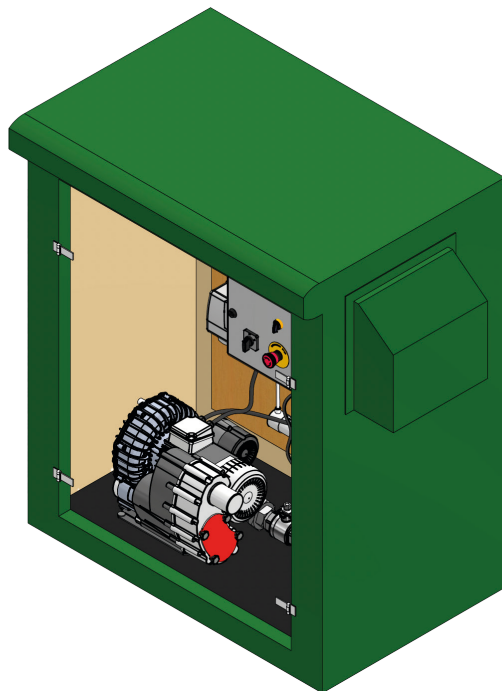
Designed by ATAC Solutions, CHEMIX systems are user-friendly, easy to maintain, efficient, and cost-effective.

ATAC CHEMIX Standard Liner Diaphragm Blower Diffuser Design



| | |
|---|---|
| Air Compressor | JDK-S-500 |
| Max Air Flow | 700 l/min |
| Max operation pressure | 200 mbar |
| Emission sound pressure level | 58 dB(A) |
| Motor | 230V, 50 Hz |
| Air Flow @150mbar | 545 l/min |
| Power Consumption @200mbar | 450W |
| Overall System Dimensions | Duty Only – W1095mm D547mm H1325mm Duty/Standby – W1455mm D768mm H1475mm |
| Overall System Weight | Duty Only – Approx. 120Kg Duty/Standby – Approx. 180Kg |
| Diffuser Dimensions | L600mm W375mm H95mm |
| Diffuser Weight | Approx. 10Kg |
| Diffuser Hole Diameter | 3mm |
| Air Compressor Dimensions | L335mm W240mm H240mm |
| Air Compressor Weight | Approx. 18Kg |
| Adjustable Airflow (Integral VFD) | No |
| External Inhibit Available (Ferric Dosing System) | Yes |
| High & Low Pressure Switches Included | Yes |

ATAC CHEMIX Large Side-Channel Blower Diffuser Design



| | |
|---|---|
| Air Compressor | Becker SV 130/1 |
| Max Air Flow | 285 m3/h |
| Max operational pressure | +400 mbar |
| Emission sound pressure level @ +260mbar | 70 dB(A) |
| Motor | 4.0 kW, 400-480V, 50/60 Hz |
| Overall System Dimensions | Duty Only – W1095mm D750mm H1326mm Duty/Standby – W1455mm D768mm H1475mm |
| Overall System Weight | Duty Only – Approx. 130Kg Duty/Standby – Approx. 190Kg |
| Diffuser Dimensions | L600mm W375mm H95mm |
| Diffuser Weight | Approx. 10Kg |
| Diffuser Hole Diameter | 7mm |
| Air Compressor Dimensions | L430mm W270mm H380mm |
| Air Compressor Weight | Approx. 30Kg |
| Adjustable Airflow (Integral VFD) | Yes |
| External Inhibit Available (Ferric Dosing System) | Yes |
| High & Low Pressure Switches Included | Yes |