

# 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.

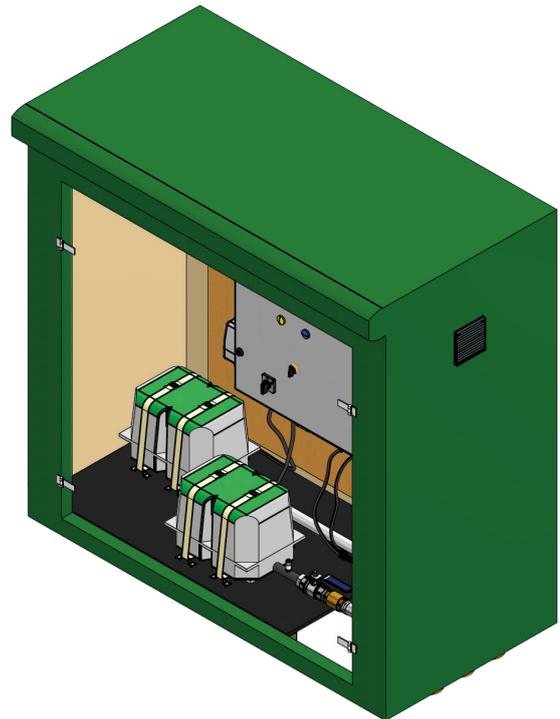
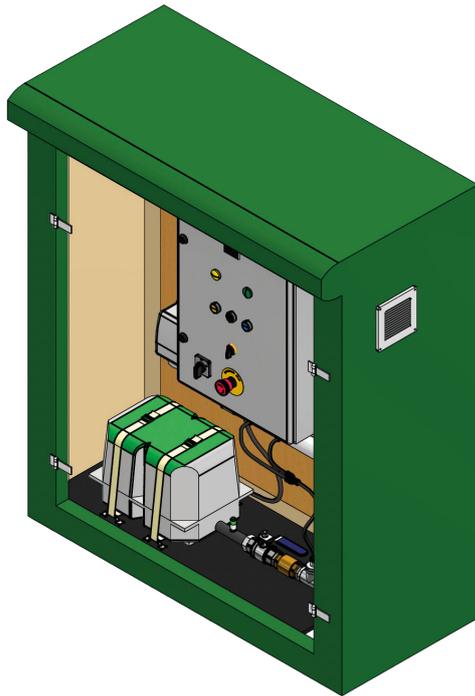
Adjustable high and low-pressure switches protect the system in the event of a hose or diffuser blockage or blower failure. Alarms are displayed locally, and telemetry outputs are provided for remote monitoring.

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

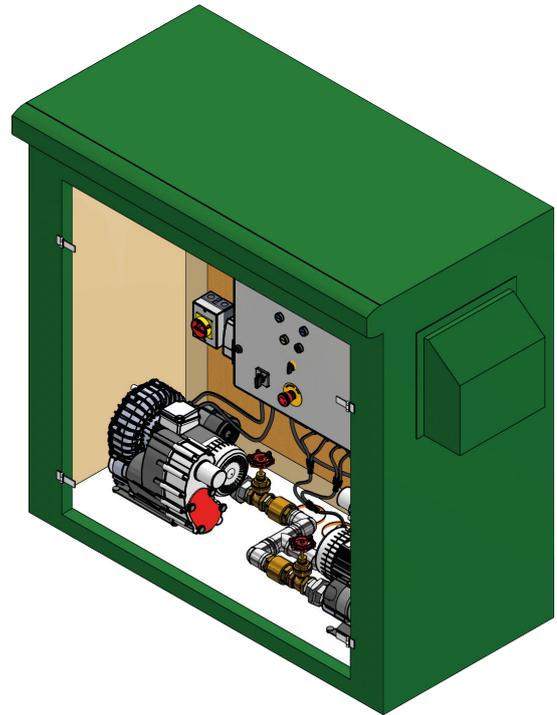
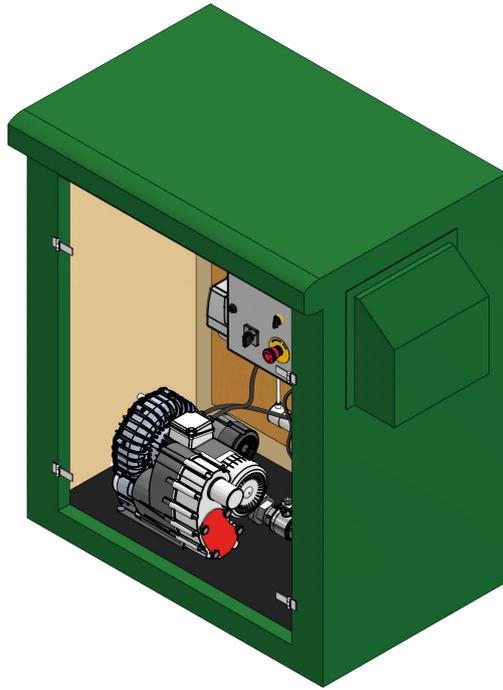
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# ATAC CHEMIX Large Side-Channel Blower Diffuser Design



Air Compressor	Becker SV 130/1
Max Air Flow	285 m <sup>3</sup> /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

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