

# atac

ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.

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Axiom Water companies



## SECOH Linear Diaphragm Air Blower - Trouble Shooting Guide

| Problem                                                        | Cause                                                           | Action                                                                                                                                                               |
|----------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blower Does Not Start</b>                                   | Power supply fault                                              | Check correct power supply                                                                                                                                           |
|                                                                | Power plug is disconnected                                      | Plug-in and check if power is available                                                                                                                              |
|                                                                | Damaged power cord                                              | Check for electrical continuity                                                                                                                                      |
|                                                                | Auto-stopper(s) activation                                      | Re-set Auto-Stopper(s)                                                                                                                                               |
|                                                                | Off-set magnet                                                  | Re-set magnet to central position                                                                                                                                    |
| <b>Blower Running Excessively Hot / Intermittent Operation</b> | Overheating / Thermal trip activation                           | Check for sufficient ventilation in blower kiosk                                                                                                                     |
|                                                                | Air pipe / diffuser blocked                                     | Unblock air pipe / diffuser                                                                                                                                          |
|                                                                | Air filter element(s) clogged                                   | Clean / replace air filter element(s)                                                                                                                                |
|                                                                | Over-pressurisation                                             | Check operating back-pressure to ensure blower is working at correct optimum pressure rating                                                                         |
|                                                                | Closed valves                                                   |                                                                                                                                                                      |
|                                                                | Undersize air feed pipe diameter                                | Replace air feed pipe with correct diameter                                                                                                                          |
| Off-set magnet                                                 | Re-set magnet to central position                               |                                                                                                                                                                      |
| <b>Auto-Stopper(s) Activation / Service Light Illumination</b> | Ruptured diaphragm(s)                                           | Replace diaphragm(s) and re-set Auto-Stoppers                                                                                                                        |
|                                                                | Ingress of foul air / Biomass from the treatment plant bio-zone | Replace Auto-Stopper(s)<br><br>Seal air pipe running into kiosk to ensure blower can only draw-in a clean source of ambient air<br><br>Consider re-locating blower   |
|                                                                | Unstable power supply (Spike in power delivery)                 | Re-set Auto-Stopper(s)                                                                                                                                               |
|                                                                |                                                                 |                                                                                                                                                                      |
| <b>Sticky Residue on air filter element(s)</b>                 | Ingress of foul air / Biomass from the treatment plant bio-zone | Replace filter element(s)<br><br>Seal air pipe running into kiosk to ensure blower can only draw-in a clean source of ambient air<br><br>Consider re-locating blower |
| <b>Blower Internally Contaminated with Brown Dust</b>          | Off-set magnet rubbing against motor coil                       | Replace / re-set magnet to central position                                                                                                                          |
|                                                                | Over-pressurisation                                             | Check operating back-pressure to ensure blower is working at correct optimum pressure rating                                                                         |
| <b>Diaphragm failure</b>                                       | Diaphragm material fatigue                                      | Install new diaphragms / service kit(s)                                                                                                                              |
|                                                                | Over-pressurisation                                             | Check operating back-pressure to ensure blower is working at correct optimum pressure rating                                                                         |
|                                                                | In-correct magnet alignment                                     | Re-set magnet to central position                                                                                                                                    |
| <b>Excessive Noise</b>                                         | Damaged valves or diaphragm(s)                                  | Install new diaphragms / service kit(s)                                                                                                                              |
|                                                                | L-Tube clip making contact on casing                            | Re-position clip away from casing                                                                                                                                    |
|                                                                | Blower casing reverberating off kiosk                           | Re-position blower in kiosk                                                                                                                                          |
|                                                                | Air leaks                                                       | Check all pipe work connections                                                                                                                                      |
|                                                                | Off-set magnet                                                  | Re-set magnet to central position                                                                                                                                    |