

# Technical Data Sheet

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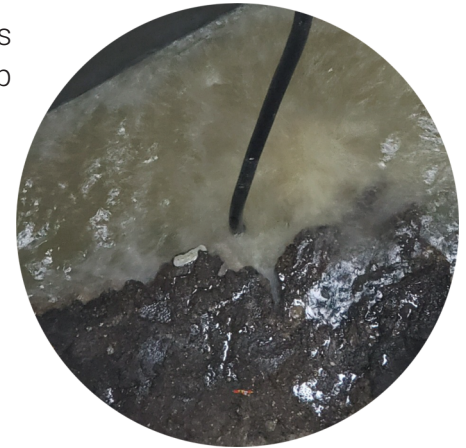
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## Matador - Wastewater Matting Eliminator

The Matador was designed to effectively clear matting issues in municipal wastewater lift stations. This build-up of matting, which can be up to several feet thick, can be caused by fat, oil, and grease (FOG) accumulation as well as other industrial wastewater flow in the collection system. These matting issues can be difficult to remove by plant personnel and can cause lift stations to clog and even shut down. When removed by hand, the troublesome build-up usually comes back within a couple of days. The Matador can also decrease lift station pump maintenance due to its ability to prevent clogging of pumps from lift station debris and matting interference with pump floats.

The system uses a regenerative blower (sized to each application) to power the Matador in the wet well. The Matador aids in overall wastewater quality, creating a first stage in digestion and promotes healthy biological growth by breaking down solids into a more digestible form. The Matador also creates an aerobic environment preventing the future production of hydrogen sulfide where thiobacillus bacteria can flourish and consume existing hydrogen sulfide.



## Benefits

- Operates in compact fiberglass enclosure
- Formatted to fit individual specs of lift station
- Prevents formation of hydrogen sulfide due to increased dissolved oxygen levels
- Begins to dissolve lift station FOG almost immediately

- Encourages lift station microbial population to aerobic state
- Decreased cost and cleaning time for utility maintenance personnel as well as 3rd party vacuum services
- Simple installation by CITCO Water personnel

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The manifold (left) is attached to the Matador unit and is inserted into the wet well from above.

Air is circulated into the manifold and sent out each side to create a first stage in digestion thus promoting healthy biological growth by breaking down solids into a more digestible form.

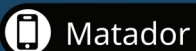
The Matador creates an aerobic environment preventing the future production of hydrogen sulfide where thiobacillus bacteria can flourish and consume existing hydrogen sulfide.

## Technical Specifications

- Series: 103, 92, 81 (depending in wet well depth)
- Electrical requirements: single phase 115/208/230V, full load current 9.8/5.2/4.9A
- Dimensions: 36"W x 20"H x 18"D
- Warranty/life of product: 1 year warranty
- Materials of construction: fiberglass enclosure, stainless steel, SCH 80 PVC



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