

ROTAVAC One

Compact Filter Station



Filtration
Services
L i m i t e d



Clarity Through Engineering

ROTAVAC One

Compact Filter Station

The Rotavac One is a complete, compact filter station that comprises of:

- 1.3m² skid mounted rotary drum vacuum filter (RDVF)
- Filtrate receiver
- Filtrate pump
- Vacuum pump
- Blower (scraper discharge version only)
- Local control panel

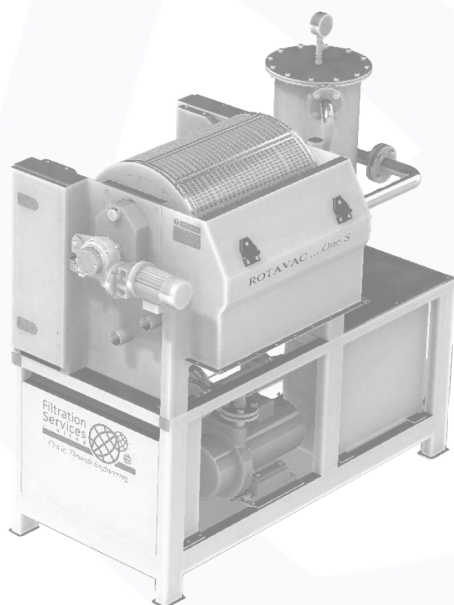
With a small 2m x 1m footprint, the unit is easy to install and operate. The filter is ideal for small volume applications, process validation pilot-scale trials.

Two filter versions are available: Rotavac One S, scraper discharge and Rotavac One P, precoat discharge.

Scraper discharge filters are used where the solids being filtered form a good filter cake that discharges easily from the drum surface.

Precoat discharge are used, primarily, on applications where the liquid is the 'product' and the solids are gelatinous in nature.

- Stainless steel construction
- Pilot-scale trials
- Process validation
- Small volume applications
- Quick and easy installation
- Complete filtration plant
- Easy cleaning and maintenance
- User friendly and simple to operate



Filtration Services Limited have years of experience working with solid-liquid separation processes

- 1.3m² filtration area (drum Ø600mm x 700mm)
- 12 compartment drum
- Variable speed drum drive



- 37.5% submergence filter trough
- Variable speed reciprocating trough agitator
- Scraper or precoat discharge options available

- Precoat discharge with automatic knife advance system (AKAS)
- Integrated control panel with 32A, 3ph + N + E surface mount plug
- Filtrate receiver with level control and sightglass



- Liquid ring vacuum pump with partial seal water recirculation
- Positive displacement filtrate pump
- Flanged solids discharge outlet



Technical Specifications	Rotavac One S and Rotavac One P
Dimensions (W x D x H) mm	1960 x 1060 x 1900
Weight kg	700
Max Power Requirement	<8kW, 3ph + N + E
Seal Water Requirement	650 Litres Per Hour
Motor Sizes:	
Drum Drive	0.25kW
Agitator Drive	0.37kW
Filtrate Pump	2.2kW
Vacuum Pump	4.0kW
Blower (Rotavac One S)	0.2kW
AKAS (Rotavac One P)	0.25kW
Connection Sizes:	
RDVF	
Trough Inlet	DN40 PN16
Trough Overflow	DN50 PN16
Trough Drain	DN50 PN16
Vacuum Pump	
Seal Water Inlet	1/2" BSP Hose Tail
Seal Water Overflow	DN25 PN16
Filtrate Pump	
Filtrate Pump Outlet	DN32 PN16



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