



## Operating Principle

- Centrifugal force from intake air causes particulate to separate from air stream, forcing it to the outer cover perimeter and out through the discharge port
- SpinMeister™ Precleaner eliminates large objects from entering air stream
- The air stream then enters the inlet filter and is filtered by a 99+% efficient pleated element

## Features

- Extreme duty filtration for high dust environments
- Excellent removal for short fibers
- Significantly increases life of filter element
- SpinMeister™ Precleaner
  - 85+% efficient up to 15 microns
  - Durable molded fiber filled composite material
  - Pressure drop reduced compared to typ. precleaners
- Bucket made from shatter resistant polycarbonate
- Large dirt holding capacity
- Clip release band for easy maintenance

## Technical Specifications

- Vacuum Rating: Coarse vacuum service\*\*
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial  $\Delta P$
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

\*\*See Vacuum Filter Technical Data for Vacuum Service Data.

## Options

- SpinMeisters™ available in polished Aluminum
- Larger systems available
- Various media
- Spool piece extender (select models)
- Pressure drop gauge
- Carbon steel bucket versions

| BSPP<br>Inlet &<br>Outlet | m <sup>3</sup> /h Rating |                 | Assembly Part Number |                      |                  | Dimensions - mm |     |     |     | Suggested<br>Service Area<br>E | Replacement<br>Element Part No. |       | Element<br>m <sup>3</sup> /h<br>Rating |
|---------------------------|--------------------------|-----------------|----------------------|----------------------|------------------|-----------------|-----|-----|-----|--------------------------------|---------------------------------|-------|--|
|                           | Range w/<br>SpinMeister  | with<br>Element | SpinMeister          | Polyester<br>Element | Paper<br>Element | A               | B   | C   | D   |                                | Polyester                       | Paper |  |
| 2"                        | 68-187                   | 298             | ST-SML235-201C       | ST-851/1-201C        | ST-850/1-201C    | 413             | 362 | 229 | 315 | 228                            | 851/1                           | 850/1 | 495                                    |
| 2-1/2"                    | 68-188                   | 357             | ST-SML235-251C       | ST-851/1-251C        | ST-850/1-251C    | 413             | 362 | 229 | 315 | 228                            | 851/1                           | 850/1 | 495                                    |
| 3"                        | 170-340                  | 510             | ST-SML345-301C       | ST-235P-301C         | ST-234P-301C     | 502             | 432 | 343 | 356 | 228                            | 235P                            | 234P  | 969                                    |
| 3"                        | 340-765                  | 510             | ST-SML445-301C       | ST-235P-301C         | ST-234P-301C     | 502             | 432 | 343 | 356 | 228                            | 235P                            | 234P  | 969                                    |
| 4"                        | 170-340                  | 884             | ST-SML345-401C       | ST-235P-401C         | ST-234P-401C     | 502             | 432 | 343 | 356 | 228                            | 235P                            | 234P  | 969                                    |
| 4"                        | 340-765                  | 884             | ST-SML445-401C       | ST-235P-401C         | ST-234P-401C     | 502             | 432 | 343 | 356 | 228                            | 235P                            | 234P  | 969                                    |
| 6"                        | 765-1530                 | 1870            | CTD-SM6-601C**       | CT-275P-601C*        | CT-274P-601C*    | 645             | 546 | 483 | 432 | 254                            | 275P                            | 274P  | 1870                                   |

See Vacuum Filter Technical Data section for sizing guidelines.

\* Denotes housings with carbon steel buckets