



Filter Dust Collectors

Removes dust and fines from the return air stream of vacuum conveying lines to prevent vacuum pump fouling.

The Novatec filter dust collector series provides a higher level of vacuum pump protection than standard cyclone dust collectors. Three PTFE coated cartridge filters are 99% efficient to 1 micron and remove more fines than standard cartridge filters to minimize clogging of vacuum pump filters.



FDC-ST

Three (PTFE) Cartridge Filters

All models include three PTFE (Polytetrafluoroethylene) coated cartridge filters that separate the dust from the airstream allowing maximum dust release. This minimizes the amount of particles that remain on the cartridges.

Powerful, Dedicated, Sequential Automatic Compressed Air Pulse Clean Jet

A timer box operates with a vacuum breaker to provide sequential multiple blasts of compressed air which are blown through interior of each PTFE cartridge filter to release any dust residue, minimizing the need for manual cleaning.

Tangential Air/Dust Entry

Maximizes dust separation from the airstream before reaching the filter elements.

Larger Filter Area Than Competitive Models

15-24% Larger filter area for greater dust collection capability.

Quick Disconnect Catch Bin

Simple clamp-on collection pan with cradle support allows easy removal and re-assembly when emptying fines.

Catch Pan Construction



See-through catch pan

FDC-15-ST through FDC-40-ST now include a see-through catch pan.

Stainless Steel Modular Construction

Stainless steel body provides a scratch-resistant surface.

Internal Material Deflector/Flapper Check Valve with Seal

Deflects incoming material away from the filters and minimizes dust migration into the vacuum header during blowback.

Two Configurations Available

Base model features an air-tight collection pan. A drum dump model on an elevated frame has a discharge flapper valve and dust sleeve for collecting large quantities of dust and fines in a drum. (Drum optional)

Plus

- › Integral floor stand
- › 24 VDC or 115 VAC operation standard
- › 80-120 psi compressed air required (5.5 - 8.3 bars)
- › 5-Year warranty

Specifications:

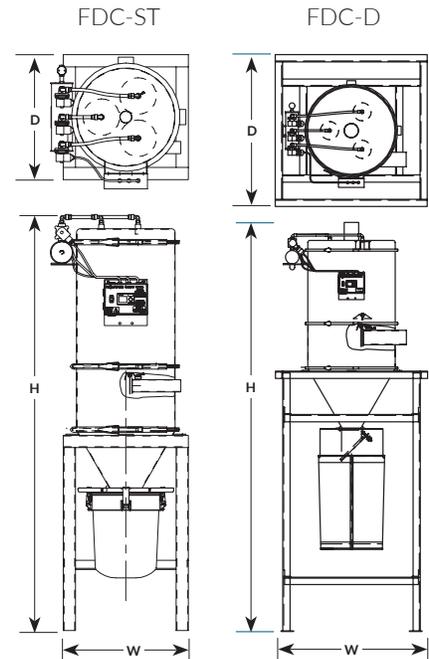
Mini PLC control

Integral Mini PLC control operates with vacuum breaker to sequentially pulse each filter with a blast of compressed air for automatic filter cleaning.



Control voltage:

24VDC or 115VAC



Model	Vacuum Line Size		Pump Power Range		Height		Width		Depth	
	in	mm	Hp	kW	in	mm	in	mm	in	mm
FDC-15-XX-ST	1.5	40	3 - 5	2.6 - 3.7	68	1727	20.5	521	20.5	521
FDC-15-XX-D					101	2565	42	1067	42	1067
FDC-20-XX-ST	2	50	5 - 8.5	3.7 - 6.3	68	1727	20.5	521	20.5	521
FDC-20-XX-D					101	2565	42	1067	42	1067
FDC-25-XX-ST	2.5	65	7.5 - 17	5.6 - 12.7	68	1727	20.5	521	20.5	521
FDC-25-XX-D					101	2565	42	1067	42	1067
FDC-30-XX-ST	3	75	10 - 20	7.5 - 14.9	79	2007	28.5	724	28.5	724
FDC-30-XX-D					108	2743	42	1067	42	1067
FDC-40-XX-ST	4	100	25	18.6	79	2007	28.5	724	28.5	724
FDC-40-XX-D					108	2743	42	1067	42	1067

Note: Replace -XX with -11 for -115 VAC or -24 for 24 VDC

-D designates discharge to drum in lieu of catch pan. Drum sold separately.

50 sq. ft² (4.65 m²) filter area for FDC-15 through -25 models. 124 sq. ft² (11.5 m²) for FDC-30 through -40 models.

0.4 cu. ft³ (11.3 liters) catch pan volume for all models.

Accessories:

Collection drum - 55 gallon:

Separate line item on order