

Disk Drive Standard Recirculation Filter (SRF)

Product Guidelines & Specifications

Description

The Standard Recirculation Filter (SRF) is comprised of an electrostatic filtration media encapsulated between two layers of protective scrim.

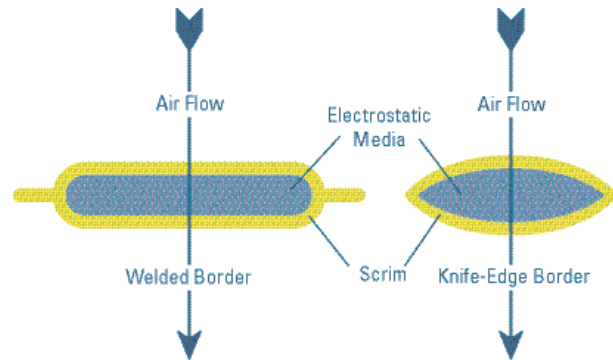
Principle of Operation

The SRF is designed to provide protection from particles. The high efficiency, low pressure drop construction provides optimized particle clean-up performance.



Installation in Drive

The SRF is located directly in the path of the airflow generated by the rotating disks. In a hard disk drive, this location is typically opposite the read/write arm; in a removable cartridge drive, it is typically in the airstream entering the cartridge. The installation of the filter into the drive can be accomplished by several techniques. The most common method is to insert the filter into a holder integral to the base casting. Alternative methods include inserting the filter into a slot in a plastic bracket or ultrasonically welding the filter to the plastic bracket. The plastic bracket, in turn, is custom designed to fit into the base casting.



Parameter

Specification

Performance

Restriction

1 - 3 mm of H₂O @5.3 cm/s (10.5 ft/min)

Efficiency

45 - 95% on 0.1 µm particles @5.3 cm/s (10.5 ft/min)

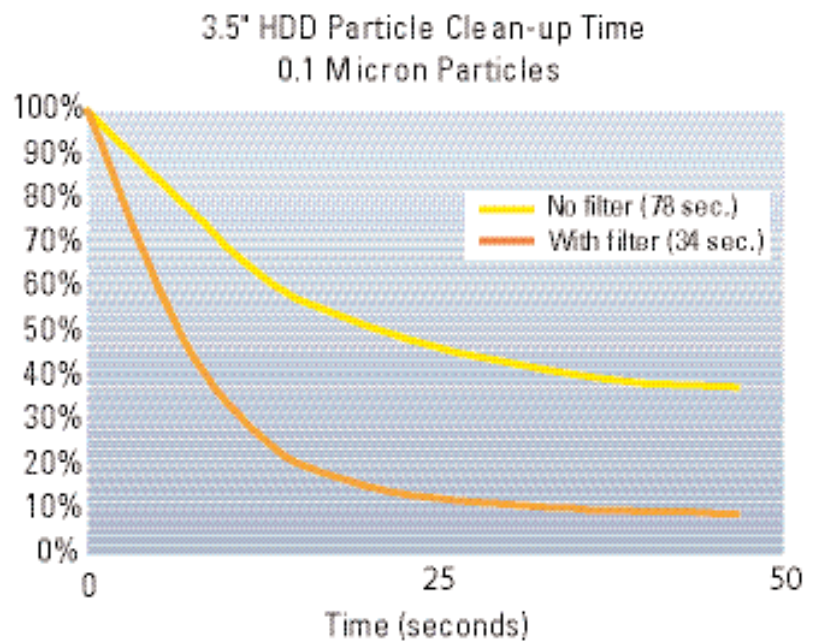
Packaging

Bag

Level 100 cleanroom bag free of silicone, amides, and DOP per NVR/FTIR

Contamination Control

In-house cleanliness testing performed routinely. Designed to pass the most stringent cleanliness specifications. Manufactured in a cleanroom environment.



Contact Donaldson today for more information!



Donaldson Company, Inc.
Minneapolis, MN
952-887-3344

Donaldson Filters Co., Ltd.
Wuxi, China
86-510-8528-2010

Nippon Donaldson Ltd.
Tokyo, Japan
81-42-540-4119

Donaldson Far East Ltd.
Hong Kong
852-24058319

Donaldson Ltd.
Rayong, Thailand
66-38-650280

Donaldson Singapore Office
Singapore
65-6311-7373

Donaldson Korea Co. Ltd.
Seoul
85-2-517-3333