

Alfa Laval Self cleaning strainer 50

Safety strainer for rotating equipment

Introduction

The Self Cleaning Strainer (SCS50) is a self-cleaning enclosed strainer designed to prevent costly downtime by keeping oversized material from clogging process equipment. The strainer protects centrifuges, cyclones, cleaning nozzles and pumps thus keeping the process trouble-free.

Application

Removal of oversized material from process flows such as wash water to disc nozzle centrifuges and rotary vacuum filters.

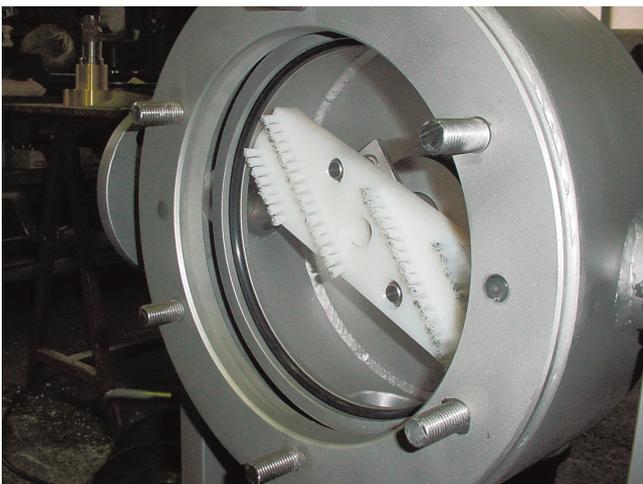
Benefits

- Reliable and continuous operation
- Easy maintenance

Working principle

The SCS50 has slowly rotating brushes to keep accumulation of coarse particles moving. This keeps oversized materials from plugging or blinding the screen so the flow through the strainer is smooth and unhampered.

Accumulations of oversized material can be removed by intermittent purges through a generously sized discharge outlet.



Design

The SCS50 consists of; housing, screen with back-up plate and motorised cleaning device. The SCS50 housing is made of stainless steel. The brush-block is made of HDPE and the bristles of nylon 6.6. Screen plate and other interiors are stainless steel.

The SCS50 can be mounted either directly in line or on a supporting frame.

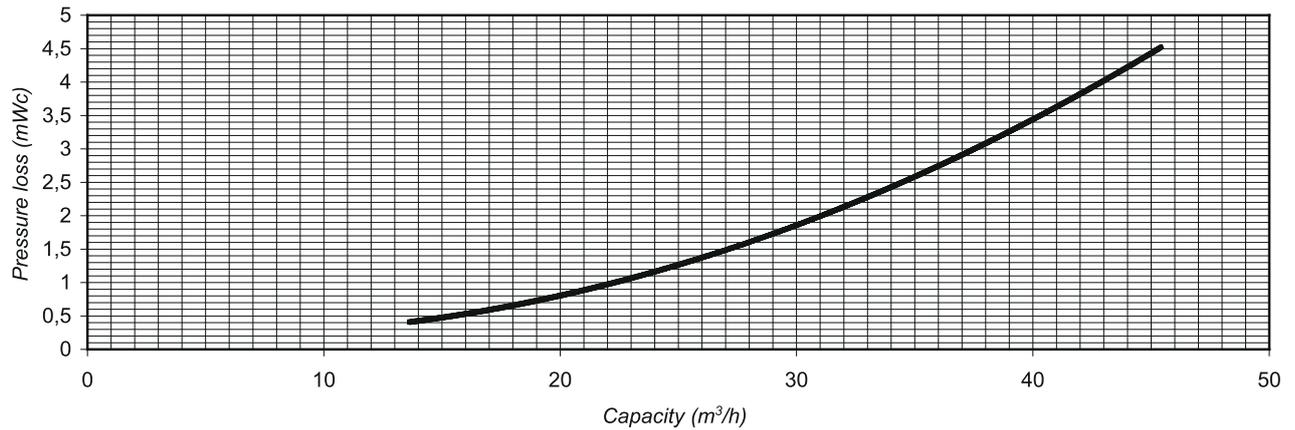
The SCS50 is equipped with standard 0.8 mm screen openings. Openings of other sizes within the range of 0.3 mm and 3 mm are available on request.

Technical data

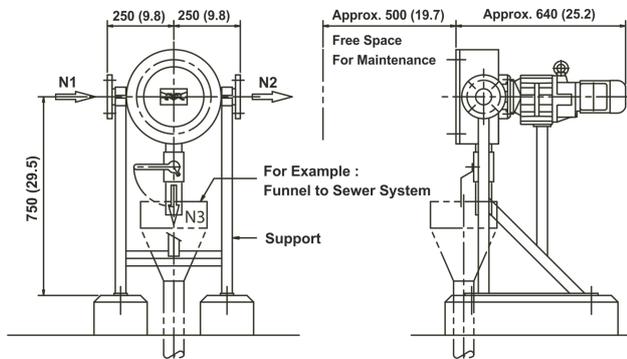
	Net weight kg	Weight in operation kg	Support weight kg
SCS50	65	75	12

Nozzle indication	Size DN	Connection norm	Rating PN	Type / Facing	Service
N1	50	DIN 2501	10	Raised face	Feed
N2	50	DIN 2501	10	Raised face	Outlet
N3	Rp 2 1/2"	DIN 2999	-	Female thread	Drain

Pressure loss of a SCS50 based on water (20 degr. C) and a clean screen (0,8 mm perforation)



Dimensional drawing



This document and its contents is owned by Alfa Laval Corporate AB and protected by laws governing intellectual property and thereto related rights. It is the responsibility of the user of this document to comply with all applicable intellectual property laws. Without limiting any rights related to this document, no part of this document may be copied, reproduced or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the expressed permission or authorized by Alfa Laval Corporate AB. Alfa Laval Corporate AB will enforce its rights related to this document to the fullest extent of the law, including the seeking of criminal prosecution.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com