Alfa Laval Self-cleaning strainer 100/150

Safety strainer for rotating equipment

Introduction

The Self-cleaning strainer 100 or 150 (SCS) is designed to prevent costly downtime by keeping oversize material from clogging process equipment. The strainer protects centrifuges, cyclones, cleaning nozzles and pumps thus keeping the process trouble-free.

Application

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

Benefits

- The unique brushing device of the SCS assures a constant and equal pressure on the screen, despite wear on the bristles.
- The SCS drive unit has special snap-coupling and guiding rod to facilitate quick and easy opening during cleaning and maintenance.

Design

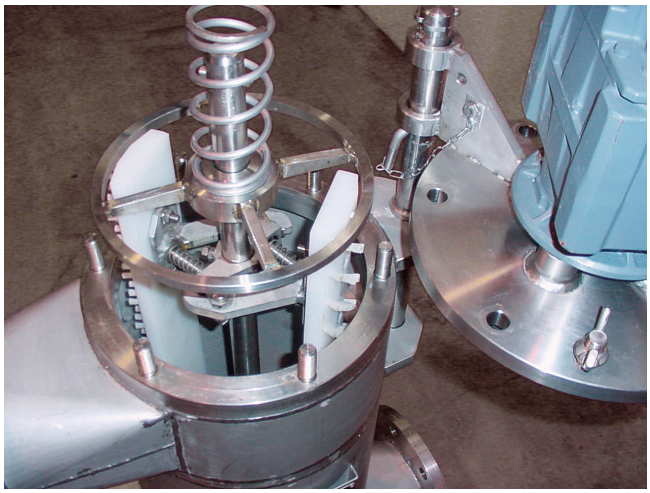
The SCS consists of housing, screen and motorised cleaning device, and is available in stainless steel. The brush-blocks are made of HDPE and the bristles of nylon 6.6. All other interior components are made of stainless steel.

The SCS can be mounted on a supporting frame, constructed in stainless steel.

The SCS has 0.8 mm screen openings as standard. Openings between 0.3 mm and 3 mm are also available.

Working principle

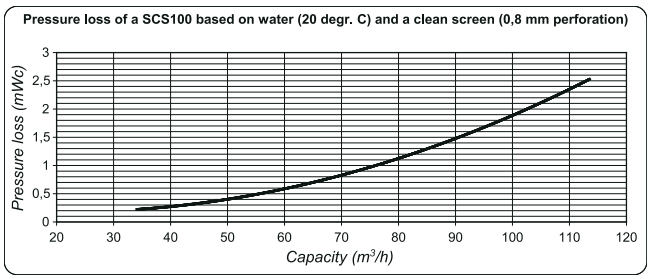
The SCS has constantly spiralling brushes or scrapers that rotate slowly to keep accumulation of coarse particles moving. This keeps oversize material from plugging or blinding the screen so the flow through the strainer is smooth and unhampered. Accumulation of oversize material can be removed by intermittent purges through a generously sized discharge outlet.

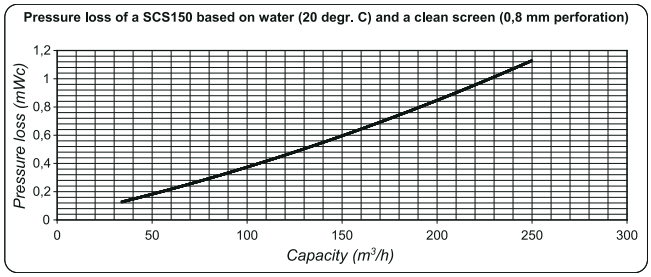


Technical data

	Net weight kg	Weight in operation kg	Support weight kg
SCS 100	282	370	28
SCS 150	312	420	28

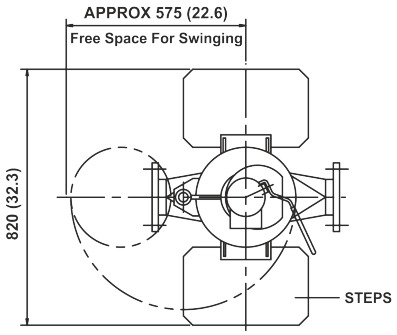
	Feed N1	Outlet N2	Drain N3
SCS 100	DN100	DN100	2½"
SCS 150	DN150	DN150	2½"

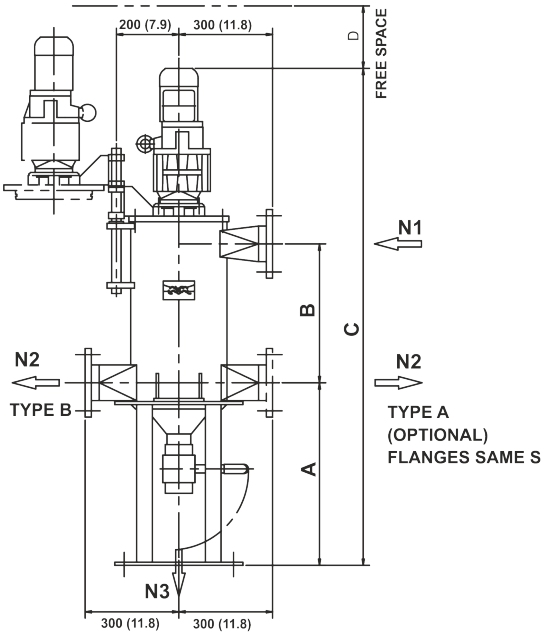




Dimensional drawing

Dimensions	A	B	C	D
SCS 100 in mm (inches)	585 (23.0)	445 (17.5)	1595 (62.8)	200 (7.9)
SCS 150 in mm (inches)	605 (23.8)	633 (24.9)	1815 (71.5)	350 (13.8)





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How to contact Alfa Laval

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