



SVS 25-O



VO 15-21

Opened cleaners VO, SVO, SHL, SVS belong to a family of centrifugal cleaners working with a free whirl and continuous removal of sorted impurities. They are used especially for **separation of specifically heavy impurities from paper stock**.

These cleaners differ from each other in design, size and throughput. They are reliable while separating coarse (SVS), medium-size (SHL) and also very fine impurities (VO, SVO). These cleaners usually run in multistage working station arranged according to actual on-site operating conditions.

Design

Opened cleaners are manufactured in several type sizes always based on uniform design with high unification of parts. Through modification of their bottom (reject) part it is possible to change them to closed ones (with a collecting box).

Material

Material performance of cleaners VO, SVO is given by standard combination "stainless steel-ceramics-plastics". SHL cleaners are manufactured in material combination "stainless steel-plastics", SVS cleaners are fully stainless. Used stainless steels are AISI 321 or AISI 316 Ti.

- low energy consumption
- low pressure loss
- simple operation
- long service life of all parts
- resistance against fouling
- high cleaning efficiency, operating flexibility and reliability
- unified unit-built design

Advantages

HIGH-DENSITY CLEANER SVS

This cleaner can be used for primary separation of the biggest heavy impurities in heavy impure waste paper processing lines. It removes quite reliably heavy impurities even from very coarsely pulped thick stocks whereby it accepts also significant variations of input parameters. At the same time the cleaner protect next equipment against damage caused by larger hard impurities. As a main advantage we can hereby name very low energy demand presented by a very low pressure loss and a possibility of operation up to 4,5 % density of the cleaned stock. Reject nozzle is with diameter of 100 mm.

HIGH-DENSITY CLEANER SHL

This cleaner allows efficient and economic separation of heavy impurities both from thick and thin paper stocks. The cleaner is used especially at the inlet into waste paper fine cleaning lines at medium density, where is working as a protection of all following equipment against the insert of hard abrasive impurities. A main advantage is its high reliability in service, low energy consumption and its possibility to be operated up to 4,5 % density of cleaned stock. Reject nozzle is with diameter of 55 mm.

LOW-DENSITY CLEANER VO, SVO

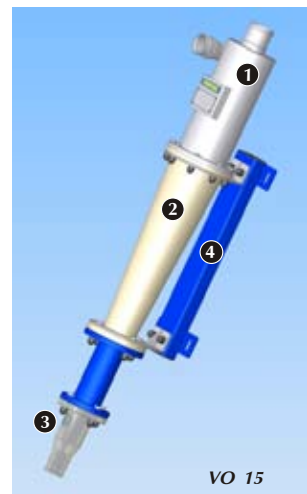
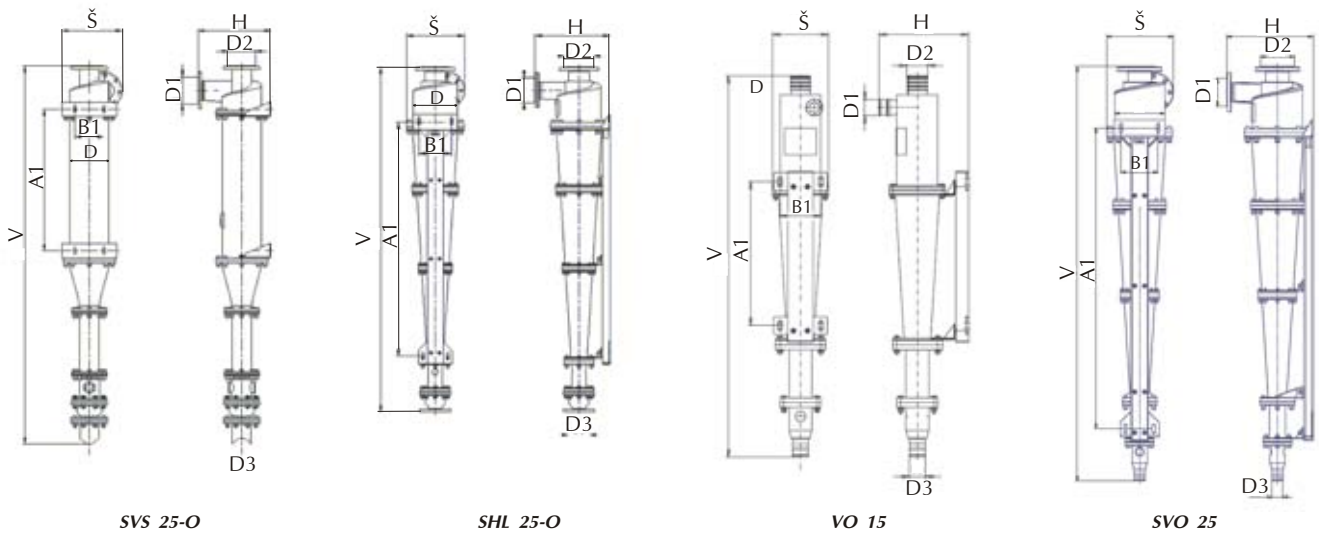
This cleaner is used for highly efficient fine separation of specifically heavy, sticky and conic impurities in PM approach part, in mechanical pulp mills and in waste paper processing lines. Moreover, it reliably removes sand and contingent larger impurities. It provides a possibility to be operated up to 2 % density of cleaned stock. Reject nozzle is with diameter of 30 mm.

Machine design and work safety are in compliance with EU standards.

TECHNICAL PARAMETERS

Type	Optimal throughput (l/min)	Heavy reject (l/min)	Consistency max. (%)	Loss in pressure (kPa)	Connection sizes (mm)						Machine weight (kg)	
					V x Š x H	D	D1	D2	D3	A1		B1
SVS 25-O	1 800 - 2 300	110 - 130	4,5	60 - 90	2 645 x 375 x 485	260	DN100	DN125	100	960	200	190
SHL 25-O	1 700 - 2 000	100 - 120	4,5	70 - 120	2 460 x 375 x 485	260	DN100	DN125	55	1515	210	120
VO 15-11	340 - 440	25 - 40	1,5	140 - 190	1 530 x 220 x 350	150	50*)	63*)	40*)	610	160	49
VO 15-21	570 - 690	35 - 50	1,6	130 - 190	1 550 x 220 x 350	150	63*)	80*)	40*)	610	160	51
SVO 25	1 800 - 2 200	90 - 110	2,0	80 - 140	2 340 x 375 x 485	260	DN100	DN125	63*)	1700	210	115

*) hose inside diameter



Main parts

- own cleaner: input body - head (1), working body - cone (2)
- separating body with sight glass (3)
- bearing frame for attachment of cleaners to stand (4)
- steel supporting stand of station (5) - in case of station delivery
- distributing manifold of input (6), output (7) and reject (8), flanged on both ends (in case of station)
- welded-on pieces for installation of pressure sensors (in case of station)

