

CLEANERS FOR FINE IMPURITIES CLEANING

Low-density cleaner VO, (spiral SVO)

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

Low-density cleaner VU, (spiral SVU)

This cleaner is used for a highly efficient fine separation of specifically coarse, sticky and conic impurities from thin stock, particularly in a multistage station of bigger cleaners as an end part for final cleaning of rejects in pulp mills, in waste paper processing lines and in PM approach part. Moreover, it reliably removes sand and other larger impurities. The cleaner provides a possibility to be operated up to 2 % density of the cleaned stock. The reject nozzle diameter is 30 mm. The collecting box MK enables to choose both periodical and continuous rejects discharging.

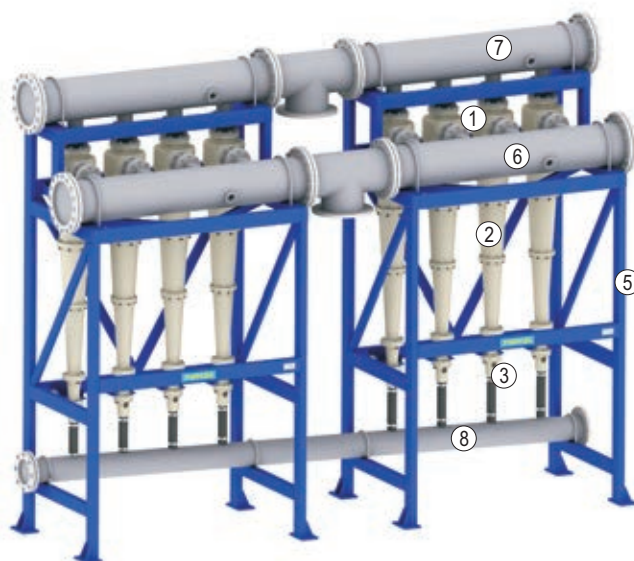
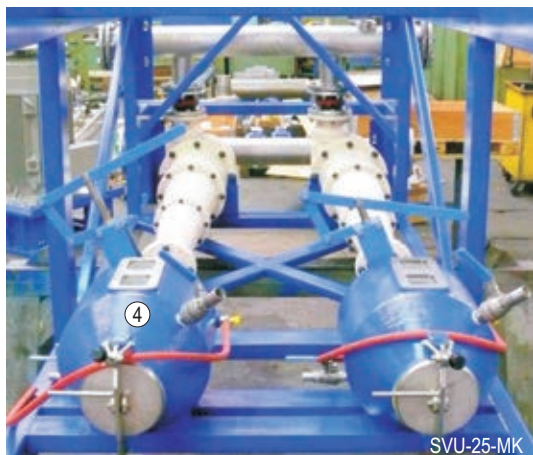
Combined cleaners MOVI SVO, MOVI SVU belong to a family of centrifugal cleaners with a free whirl and discharge of separated impurities into a collecting box or collecting piping. These cleaners work reliably in a separation of specifically heavy and light impurities, as well as in deaeration of paper stock.

Opened cleaner MOVI SVO (spiral performance)

This cleaner is designed for a highly efficient fine separation of specifically coarse, light, sticky and conic impurities from thin stock. The separation of light impurities (polystyrene etc.) runs parallelly with a stock deaeration. Moreover, it reliably removes sand and other larger impurities. Cleaner provides a possibility to be operated up to 2 % density of the cleaned stock. The cleaners MOVI SVO usually run in multistage working stations arranged according to actual on-site operating conditions.

Closed cleaner MOVI SVU (spiral performance)

The closed cleaners are utilized namely as a final stage for a final cleaning of the reject. The open cleaners are joint in multistage stations. These ones are installed in waste paper processing lines, in approach flow system of paper machines, in ground-wood-making plants and everywhere, where it is needed to minimize the reject quantity.



Cleaning station SVO-25

Design

These cleaners differ from each other in design, size and throughput and they can be operated either independently or in a multistage stations. According to their output body, they have an open design (VO) - impurities are discharged continuously into collecting piping - or closed design (VU) - provided with a collecting box from which the reject is discharged manually (M) or (MK) or automatically (A). The MK design enables the choice between a periodical and continuous reject. Moreover, cleaners modular system provides a simple conversion of particular types.

Main parts

- ♦ inlet body-head (1) and working body-cone (2)
- ♦ separating body with sight glass (3)
- ♦ collecting box with pneumatic gate valves (automatic control)
- ♦ collecting box (4) (mechanical control)
- ♦ steel supporting stand (5) (in case that the cleaner is delivered in station)
- ♦ separating pipeline of input (6), output (7), reject (8) provided with a flange on both ends (in case of station)

Material

These cleaners are manufactured in several type sizes always based on a uniform design with a high unification of the parts. Materials used for VO, SVO, VU, SVU, MOVI SVO and MOVI SVU cleaners are based on a standard combination "stainless steel-plastics". The collecting box version M and MK is made of grey cast-iron, version A is made of stainless steel.

Advantages

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

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

TECHNICAL PARAMETERS					*) inner hose diameter				
Type	Optimal throughput (l/min)	Consistency (max. %)	Max.inlet pressure (kPa)	L x W x D	Ø D	Ø D1	Ø D2	Ø D3 / Ø D4	Weight (kg)
VO-15	570 - 690			1.490 x 220 x 350				63 *) / -	32
VU-15-M, MK	590 - 690	1,6	400	2.380 x 620 x 790	150	63	80 *)	-	108
VU-15-A	590 - 690			2.010 x 850 x 350				-	108
SVO-25		2,0		2.340 x 385 x 485				63 *) / -	53
SVU-25-M, MK	1.800 - 2.100	4,5	400	3.220 x 620 x 790	260	DN100	DN125	-	140
SVU-25-A		4,5		2.820 x 850 x 485				-	140
MOVI-SVO-20	1.200 - 1.400	2,0	400	2.210 x 310 x 460	210	DN80	100 *)	63 *) / G1 1/4"	75
MOVI-SVU-20-M	1.200 - 1.400	2,0	400	3.100 x 620 x 790	210	DN80	100 *)	- / G1 1/4"	170

