SIEBTECHNIK TEMA

# PERFLUX & SKS control screening machines

## For the reliable separation of foreign bodies

# CONTROL SCREENING MACHINES

Undetected foreign substances or impurities in powders and suspensions such as screws, cleaning cloths, paper shreds or agglomerates may result in machine downtime or expensive repairs to machine and equipment components.
Protect your production processes with our control screening machines.

Our machines are already used in the following industries:

- construction materials industry
- paint industry
- chemicals industry
- food industry
- powder processing in 3D printing
- and many more

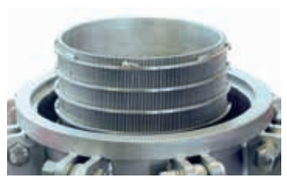
PERFLUX 501
with hopper tray for
paint screening

## CONTROL SCREENING MACHINE FOR SUSPENSIONS SKS

**If high-viscosity products containing solvents have to be screened under pressure, the SKS is a screening system that reliably removes foreign substances, impurities or agglomerates.**

The SKS is used for

- high-viscosity, thixotropic materials, e.g. boat paints
- suspensions with abrasive foreign bodies, e.g. ceramic slurry or facade paints



The suspension is fed into the SKS centrally from above and flows through a slotted filter cylinder or fabric filter cylinder from the inside to the outside. The foreign substances are held back by the filter insert, where they are collected. The fraction held back by the filter is oscillated by two unbalance motors so that there is no need for mechanical cleaning using screws, paddles or similar. The unwanted material that was held back by the filter cylinder can be discharged via a discharge valve.

SKS 202 with diaphragm pump

### Technical data

| SKS | | 202 |
|---|---|---|
| Dimensions (W x H x L) | mm | 605 x 400 x 660 |
| Screen insert (Ø x L) | mm | 190 x 406 |
| Slot/screen width | | 20 µm – 2 mm |
| Unbalance motors | kW | 2 x 0.2 |
| Max. pressure | bar | 5 |
| Weight including screen insert | kg | 90 |





## PERFLUX

Depending on the application, the PERFLUX control screening machine can be supplied with

- screening disc with and without oversized particle discharge for dry screening
- screening disc without oversized particle discharge for wet screening
- screening disc for individual covering
- cover and hopper for dust-free integration into the process flow
- equipment for use in hazardous areas in accordance with ATEX 100
- brush/scraper unit for screening materials that are difficult to screen or for breaking down agglomerates
- bag tray for screening materials delivered in bags
- various base frames

PERFLUX 501
with brush unit

The PERFLUX offers

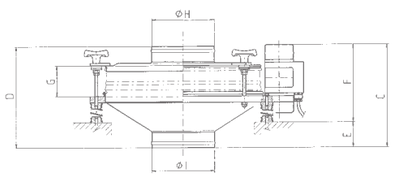
- highly efficient, high-performance screening with just one drive which generates a tumbling oscillation movement
- compact size
- aluminum or stainless steel frame
- hopper and screen inserts that can be removed without tools

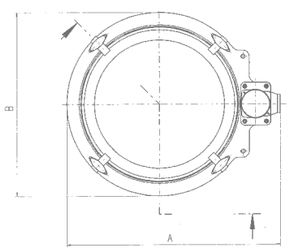
PERFLUX 151

PERFLUX 301
in a special design variation

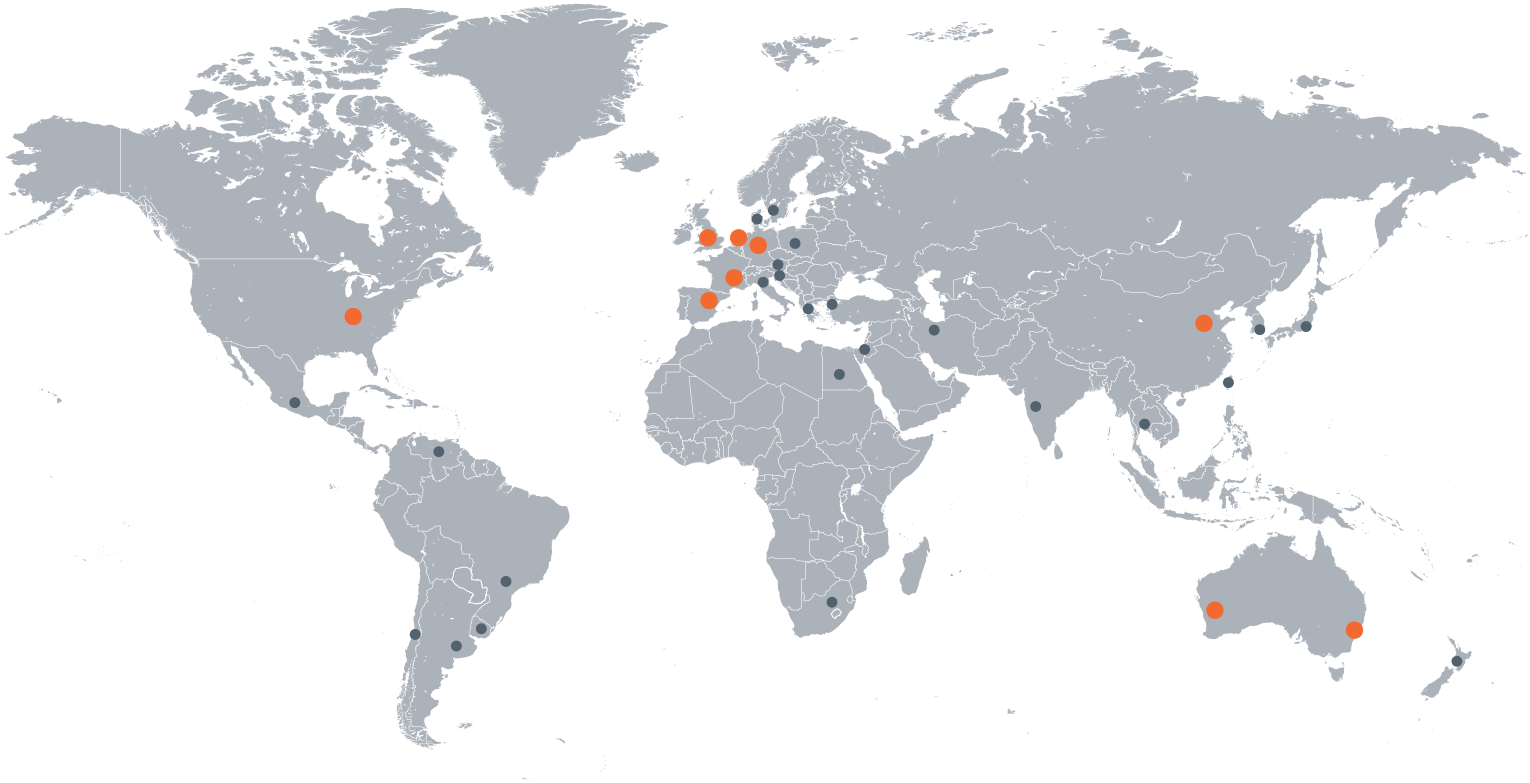
### Technical data

| PERFLUX | | 151 | 301 | 501 | 801 |
|---|---|---|---|---|---|
| Screen diameter | mm | 150 | 300 | 500 | 800 |
| Screen width | µm | > 40 | > 40 | > 63 | > 63 |
| Motor | kW | 0.16 | 0.16 | 0.16 | 0.50 |
| Weight including screen, cover and hopper | kg | approx. 18 | approx. 20 | approx. 25 | approx. 60 |
| Dimensions in mm | A | 490 | 490 | 690 | 1182 |
| | B | 400 | 400 | 600 | 948 |
| | C | 261 | 302 | 335 | 410 |
| | D | 235 | 285 | 330 | 420 |
| | E | 10 | 50 | 82 | 114 |
| | F | 250 | 252 | 252 | 296 |
| | G | 100 | 85 | 100 | 131 |
| | H | 50 | 100 | 200 | 200 |
| | I | 50 | 100 | 200 | 200 |
| Dimensions non-binding. | | | | | |



# One Solution. Worldwide.



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We are experts in the field of solid-liquid separation and the processing of bulk materials

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Decanter | Dryers | Laboratory Equipment | Pneumatic Tube Systems | Preparation Systems
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