

**Chip extractors
type SPS**
Simultaneous separation
of chips and process fluids



Chip extractors type SPS 250-W24

Viewing panel

Noise suppression casing

Suction connection

AC motors

Filter cartridge

Discharge hose /
visual fill-level check

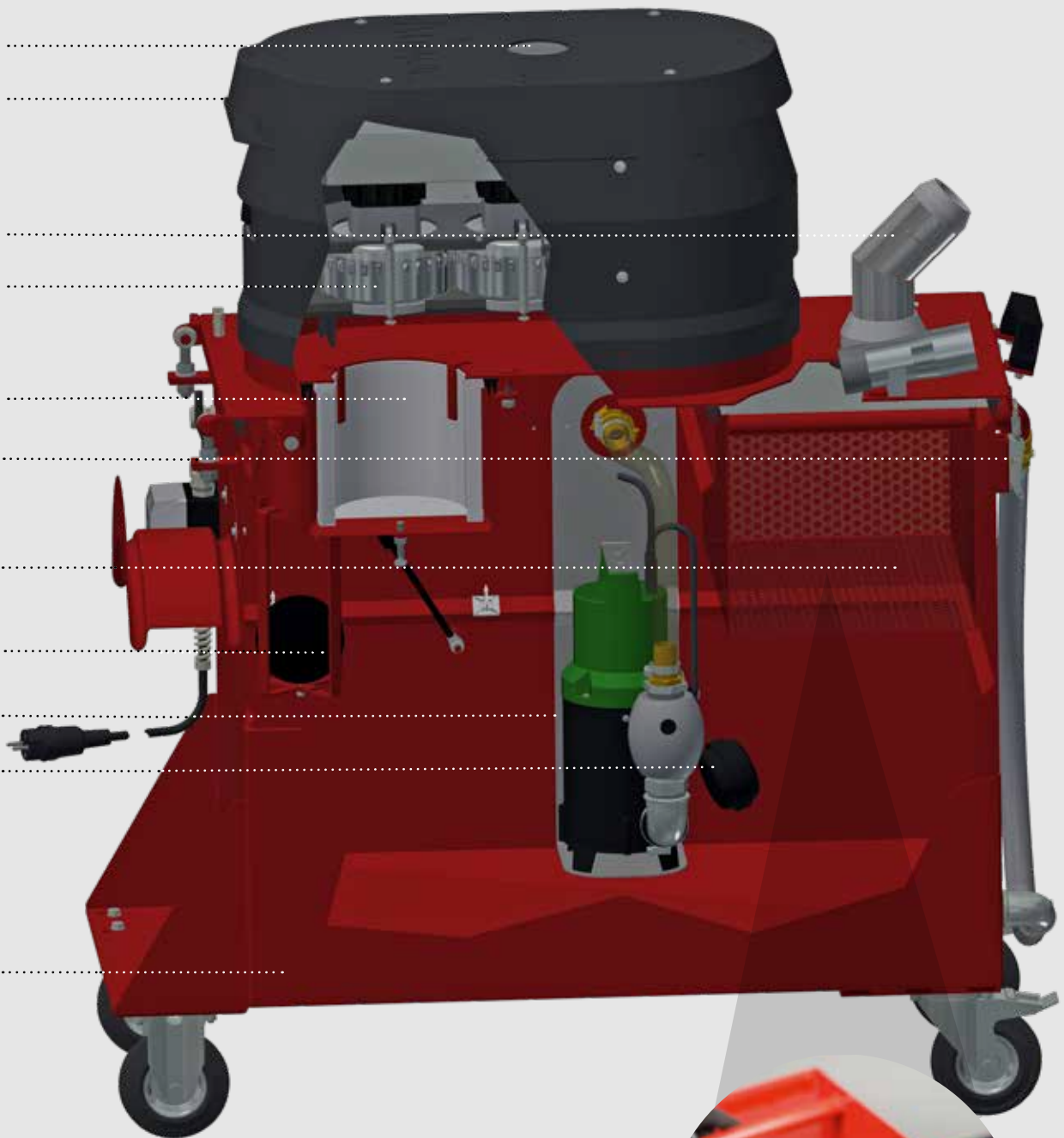
Chip collection
container

Float switch for
excessive vacuum

Pump

Float switch

Sheet steel
housing



Simple removal of the
chip collection container



▶ view film

Large quantities, large chips

- Simultaneous separation of chips and process fluids
- Extraction of large quantities with high fluid content
 - With three-phase and single-phase AC drives
- Suitable for cleaning of machine tools
- Extraction of heavy chips
- Model with three-phase drive suitable for continuous use

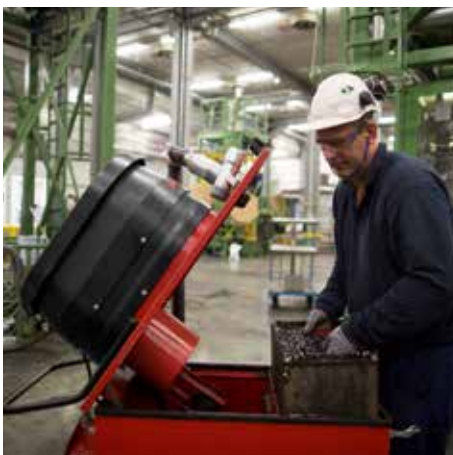
SPS 250-W24
in steel machining



SPS 250-W36
in brass machining



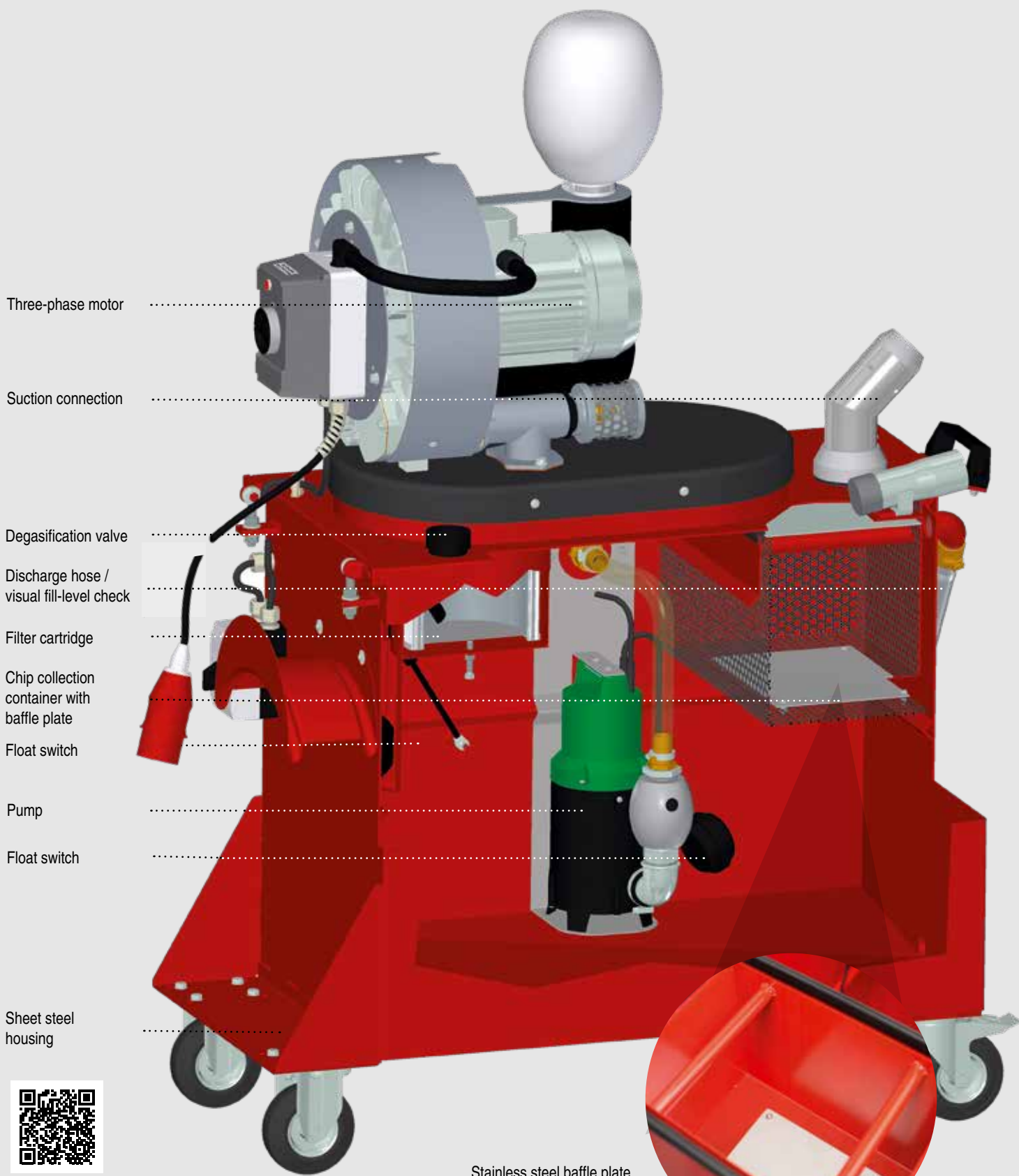
SPS 250-W24
in polycarbonate
production



SPS 250-D40
in copper machining



Chip extractors type SPS 250-DA30 / Zone 22



Three-phase motor

Suction connection

Degasification valve

Discharge hose /
visual fill-level check

Filter cartridge

Chip collection
container with
baffle plate

Float switch

Pump

Float switch

Sheet steel
housing



▶ view film

Stainless steel baffle plate
prevents spark formation

High-energy materials

The machining of aluminium, magnesium and titanium creates high-energy dust which when mixed with cooling fluids can release flammable and explosive gases.

- Simultaneous separation of chips and process fluids
- Extraction of large quantities with high fluid content
 - Extraction of heavy chips (> 500 µm)
- Versions for Ex-areas, zone 22
- Suitable for machining and processing aluminium, magnesium and titanium
- Not suitable for vacuuming clean, dry dust

SPS 250 DA30,
zone 22
in aluminium machining



SPS 250 DA30,
zone 22
in magnesium machining



Chip extractors type SPS 35

Suction connection

AC motor

Chip collection
container

Filter cartridge

GRP housing

Float switch for
excessive vacuum

Discharge hose /
visual fill-level check

Discharge



OPTIONAL:
Additional equipment: Pump

Small quantities, small chips

- Simultaneous separation of chips and process fluids
 - Particularly suitable for use in machining lines where space is at a premium.
 - GRP housing
- Suitable also for small quantities with low fluid content.
- With and without pump

SPS 35
in automobile
production



SPS 35
in metal machining



SPS 35
in steel machining



SPS 35
in plastic production



Technical data

	SPS 35 W12	SPS 250 W 24	SPS 250 W 36	SPS 250 D 22	SPS 250 D 40	SPS 250 D 75	SPS 250 DA 30
Housing	GRP	Sheet Steel	Sheet Steel	Sheet Steel	Sheet Steel	Sheet Steel	Sheet Steel
Motor power (kW)	1,2	2,4	3,6	2,2	4,0	7,5	3,0
Voltage (V)	230	230	230	400	400	400	400
Vacuum (mbar)	-220	-210	-230	-210	-210	-330	-240
Air flow rate (m³/h) (measured with 3 m hose)	180	270	410	270	440	490	355
Sound pressure level (dB(A)) (DIN EN ISO 3744)	79	67	72	70	70	74	68
Filter cartridges for dust class M (m²)	0,36	0,36	0,36	0,36	0,36	0,36	0,36
Height (mm)	930	1.220	1.250	1.250	1.260	1.380	1.380
Width (mm)	520	500	500	500	500	500	500
Length (mm)	930	1.100	1.100	1.100	1.100	1.100	1.100
Protection class (IP)	x4	x4	x4	54	54	54	65
Capacity (litres)	35	150	150	150	150	150	150
Chip collection container (litres)	15	30	30	30	30	30	30
Suction connection (mm)	50	50 / 70	50 / 70	50 / 70	50 / 70	50 / 70	50 / 70

Submersible pump	SPS 35 W12	SPS 250 W 24	SPS 250 W 36	SPS 250 D 22	SPS 250 D 40	SPS 250 D 75	SPS 250 DA 30
Motor power (kW)	0,23	0,83	0,83	0,83	0,83	0,83	0,83
Voltage (V)	230	230	230	230	230	230	230
Frequency (Hz)	50	50	50	50	50	50	50
Amps	1,12	3,65	3,65	3,65	3,65	3,65	3,65
Pump-out connection (inches) (GeKa)	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Flow rate at 1m pumping head (m³/h)	3,9	6,5	6,5	6,5	6,5	6,5	6,5
Pumping head (m)	8,5	9	9	9	9	9	9



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