

BAG FILTER

SiccaDania Group

SiccaDania bag filters are developed to recover the powder from the exhaust air of dryers and powder handling equipment such as fluid beds, powder conveying and packing systems as well as aspiration systems. The bag filters meet powder recovery rates of >99 % and keep particle emissions down to <5 mg/m³.

The SiccaDania bag filter design follows the highest requirements of hygienic standards (EHEDG, 3A) and safety standards (EN 14491, VDI 2263, etc.). It is optimised to low energy consumption by minimised pressure drop, reduced compressed air consumption and short CIP and drying times. Easy maintenance, simple bag replacement and fast (re-) commissioning times are ensured.

Engineering, manufacturing, installation and commissioning – are all coming from SiccaDania, thus promising shortest delivery dates, full flexibility and enhanced quality control.

APPLICATIONS

Widely used in the dairy, food, chemical, cosmetic and pharmaceutical applications.



FEATURES

- Walkable clean gas plenum or removable top
- High efficient and thorough CIP-system
- Powerful and gentle bag pulsing system with pressure-controlled cleaning program
- Walkable cone room for housing inspection and separate shut-down heating
- Radial inlet for optimal air and powder distribution
- Explosion panels placement according to EN14491 with restraint system
- Removable insulation for housing inspection
- Discharge by fluidised bottom



CUSTOMISED BAG FILTER DESIGN

SiccaDania is specialised in bag filter designs according to customer demand for specific applications (e.g. high fat cheese powder, abrasive powders, free flowing and ultra-fine powders).

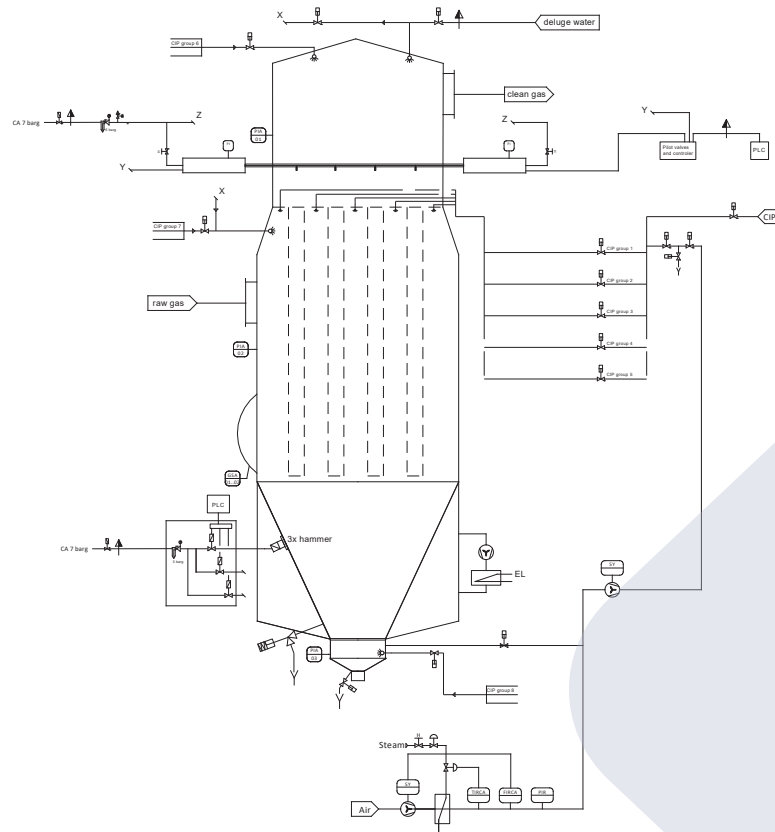
BAG FILTER UPGRADES AND SPARE PART SUPPLIES

SiccaDania has the capability to upgrade and optimise existing bag filter installations regarding hygienic and safety requirements or increase their capacity. With an in-house installation team and workshop, SiccaDania can realise retrofits within shortest shut down times. A quick spare part supply for almost all bag filters in the dairy, food and chemical industry is ensured.

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FLOW CHART



SICCADANIA BAG FILTER MODELS AND SIZE RANGES

	Number of Bags	Bag Length (XXXX)[mm]	Filtration Area (YYYY)[m ²]
SD-BF-9-XXXX-YYY	9	3000/4500	015 / 023
SD-BF-12-XXXX-YYY	12	3000/4500	020 / 030
SD-BF-16-XXXX-YYY	16	3000/4500	027 / 040
SD-BF-21-XXXX-YYY	21	3000/4500	035 / 053
SD-BF-32-XXXX-YYY	32	4500/6000	080 / 150
SD-BF-52-XXXX-YYY	52	4500/6000	130 / 173
SD-BF-76-XXXX-YYY	76	4500/6000	190 / 254
SD-BF-88-XXXX-YYY	88	4500/6000	220 / 294
SD-BF-112-XXXX-YYY	112	4500/6000	280 / 374
SD-BF-132-XXXX-YYY	132	4500/6000	330 / 440
SD-BF-156-XXXX-YYY	156	4500/6000	390 / 520
SD-BF-180-XXXX-YYY	180	4500/6000	450 / 601
SD-BF-208-XXXX-YYY	208	4500/6000	520 / 694
SD-BF-224-XXXX-YYY	224	4500/6000	561 / 747
SD-BF-256-XXXX-YYY	256	4500/6000	641 / 854
SD-BF-276-XXXX-YYY	276	4500/6000	691 / 921
SD-BF-292-XXXX-YYY	292	4500/6000	731 / 974
SD-BF-332-XXXX-YYY	332	4500/6000	831 / 1108
SD-BF-364-XXXX-YYY	364	4500/6000	911 / 1214