

SILOBOSS™ **zero**

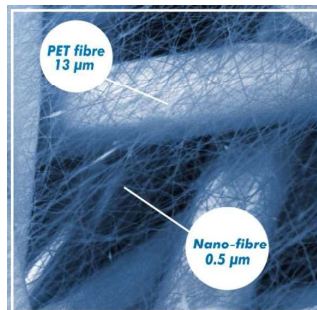
Power in Silo Venting



- Specially designed for:
SILO VENTING in EXTRA DUTY concrete batching plants
- Filter surface 516 ft²;
- Air volume up to 3,000 SCFM;
- 1000mm diameter body size with 1,145mm maintenance height;
- Working pressure limit: +29,5 to -19,6 inchesWG;
- Dust temperature limit: -4 to +176 °F;
- Air pulse-jet cleaning system (58 PSig);
- Stainless-steel body (2mm th.) and cover lid;
- Dust emission < 1mg/Nm³ for cement dust due to **nanofibre** media.

Filter Elements

- POLYPLEAT™ (W) **zero**





WAM vs COMPETITION



	LPR-4-S	WAM SILAB24	LPR-6-S	LPR-8-S	WAM Silo BOSS FNW4J48
Dust COLLECTOR					
Diameter	44"	32"	44"	44"	43"
Overall height (closed lid)	72"	49"	72"	72"	49"
Filtration area	210 ft ²	264 ft ²	315 ft ²	420 ft ²	516 ft ²
Airflow	1170 cfm	1500 cfm	1760 cfm	2340 cfm	3000 cfm
Air to cloth ratio	5,57 ft/min	5,90 ft/min	5,57 ft/min	5,57 ft/min	5,90 ft/min
Weight	670 lbs	220 lbs	695 lbs	720 lbs	400 lbs
Surface Finishing	Painted	Stainless Steel	Painted	Painted	Stainless Steel
FILTERING ELEMENTs	cartridge	polypleat	cartridge	cartridge	polypleat
Diameter/section	8"	2x18"	8"	8"	2x18"
Length	39"	36"	39"	39"	36"
Quantity	4	7	6	8	14
Min Design Efficiency**	99,99%	PH media*	99,99%	99,99%	PH media*

* Polypleat and cartridges with PH media are certified ISO EN 16890-1:2017 PM2,5 65% and DIN EN 60335-2-69 dust class M efficiency 99,9%

* The FNW4J48 will come with a 304 SS cover lid.

Competition



WAM

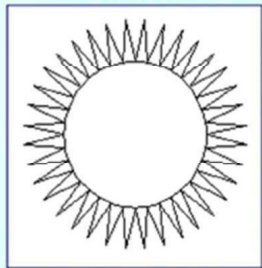


Ordering part number: FNW4J48CQ028009

WHY SHAPE IS IMPORTANT



WAM

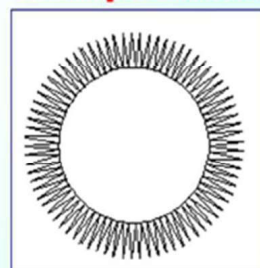


Filtration Area
16,8 ft²

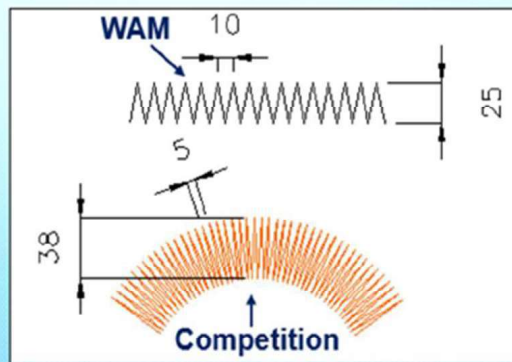


Distance between pleats makes for better filtration.

Competition



Filtration Area
52,5 ft²



WHY SHAPE IS IMPORTANT

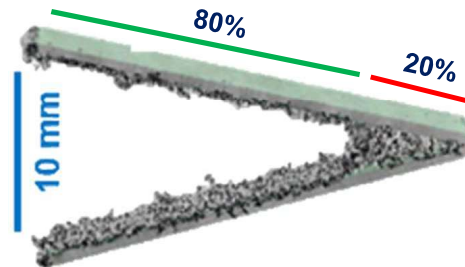
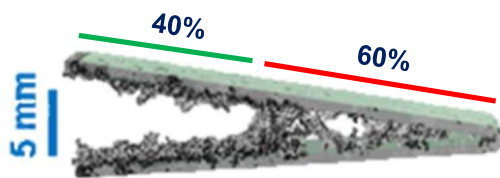
DIFFERENT GEOMETRIES = DIFFERENT PERFORMANCES

- **THEORETICAL FILTER AREA:**

represents the area of the filtering matrix calculated considering the geometric dimensions

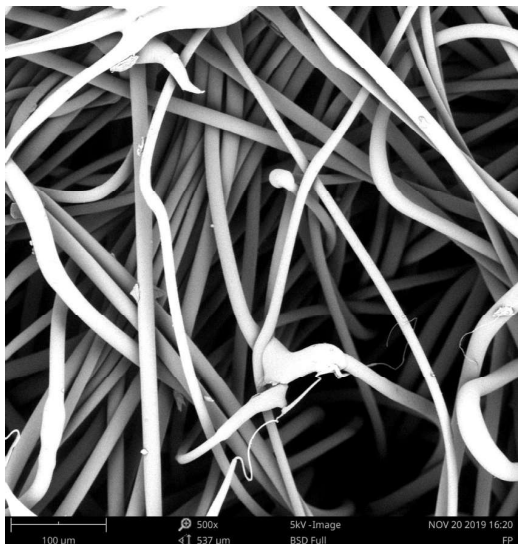
- **USEFUL FILTER AREA** (or effective filter area):

represents the area actually available for the filtration process, i.e. the area that will not be affected by permanent dust agglomerates during operation.

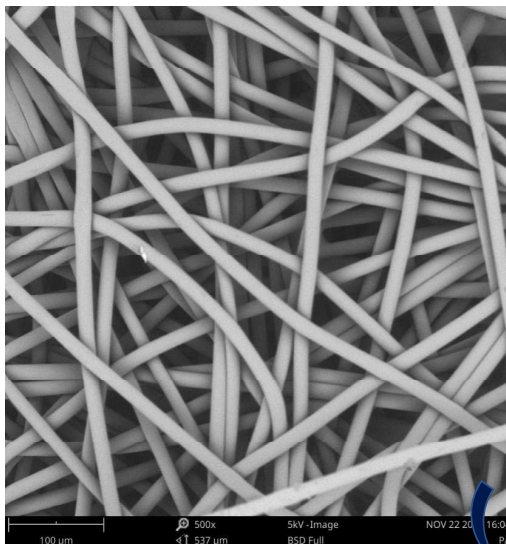


FILTER MEDIA

NEEDLE FELT



NON WOVEN (spun bond)



The free passages between the fibers of the needle felt are 10 to 20 times larger than dust of a few microns. Only dust > 50 µm has a chance of being **stopped superficially** by a sieving effect produced by the filter media.

We observe that a new filter media does not have good efficiency filtration, why?

- ✓ HIGH PERFORMANCES ALONG TIME
- ✓ HIGH FILTRATION EFFICIENCY (low dust emissions)
- ✓ EASIER AUTOMATIC CLEANING (surface filtration)

WAM® NANO-FIBRE

