DUST COLLECTOR
DATA SHEET

Type	WAMFLO® ZERO™
Model	FNW4J48C_PH
Filtering Elements	CARTRIDGE (POLYPLEAT™)

PROJECT DATA (customer responsibility)

Application	Silo-Venting for concrete batching plant
Operational Duty	Discontinuos (approx. 40 minutes loading time)
Type of Dust	CEMENT
Dust Features	1,06 A015 2 6 L (see WAM code classification for powder)
Dust Granulometry	> 70 µm
Airflow normal/peak	1500 / 2600 Nm3/h
Inlet Dust Concentration	< 15000 mg/Nm3

* Dust Granulometry is defined as D80, i.e. a distribution in which at least 80% of the particles fall within the distribution.

MACHINE DATA

Filtering Element Section	450 x 45 mm
Filtering Element Height	920 mm
Filtering Elements Q.ty	14
Totale Filtering Surface	48 m²
Cleaning System Type	Air pulse jet (suggested 4bar and maximum 6bar)
Filter Media Type	PH - Spunbonded + Nano-Fibre technology
Filter Media Weight	170 g/m²
Media Efficiency class according to EN 60335-2-69	Class M - (99,9% with quartz powder 0.2-2.0 µm)
Maximum airflow temperatures admitted	-20°C +80°C
Maximum static pressure admitted	+750 (0,075) ; -500 (-0,05) mmH2O - (bar)

PERFORMANCE DATA

Airflow normal/peak	1500 / 2600 Nm3/h
Filtration Velocity normal/peak	0,52 / 0,90 m/min
Pressure Drop (nominal value)	70 - 100 mmH2O
Dust Granulometry D80 *	> 70 µm
Dust Emission	< 1 mg/Nm3
Filtration Efficiency	99,9%

WAMGROUP® certifies that the level of "dust emissions" will not exceed the value stated above, provided that the dust collector and the filter elements operate within the parameters stated above, that they are installed, operated and maintained in accordance with the operating and maintenance instructions and finally that the silo is not over pressurized or over filled. Moreover the filter elements and the other components installed (when replaced) has to be manufactured by WAMGROUP®.

The dust collector must not be used in environments and areas with vapours, fumes or dust with highly corrosive and/or abrasive features. It must not be used in presence of flames and/or heat exceeding the permitted temperatures, with risks of fire or explosion.
For further technical details or limitations of use, please refer to the technical and operating/maintenance manual.

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MAJOR CLASS	MATERIAL CHARACTERISTICS			CODE
DENSITY	Bulkdensity, Loose			Actual (kg/ dm_3)
SIZE provides by the preponderance of one size over the others.	Very fine	≤ No. 200 sieve (0.0029")	≤ 0.07 mm....(70 µm)	A007
		≤ No. 100 sieve (0.0059")	≤ 0.1 5 mm....(150 µm)	A015
		≤ No. 40 sieve (0.016")	≤ 0.406mm.....(406µm)	A0406
	Fine	≤ No. 6 sieve (0.132")	≤ 3.3mm	B33
	Granular	≤ ½" (6 Sieve to ½")	≤12.7 mm	C13
		≤ 3" (½" Sieve to 3")	≤ 76.2 mm	D75
		≤ 7" (3" to 7")	≤177.8mm	D180
	Lumpy	≤ 16" (0" to 16")	≤ 406.4 mm	D400
		Over 16"	Dx	Dx
	Irregular	≤ No. 200 sieve (0.0029")	Stringy, Fibrous, Cylindrical, Slabs, etc.	E
FLOWABILITY	Verv free flowing	Angle of slide ≤ 15°		1
	Free flowing	15 < Angle of slide ≤ 30°		2
	Average flowability	30 < Angle of slide ≤ 45°		3
	Sluggish	Angle of slide > 45°		4
ABRASIVENESS	Mildly abrasive			5
	Moderatety abrasive			6
	Extremely abrasive			7
MISCELLANEOUS PROPERITES OR HAZARDS	Builds up and hardens			F
	Generates static electricity			G
	Decomposes - deteriorates in storage			H
	Flammable			J
	Plasticizes or tends to soften			K
	Very dusty			L
	Aerates and becomes a fluid			M
	Explosive			N
	Sticky, adhesive			O
	Contaminable, affecting use			P
	Degradable, affecting use			Q
	Gives off harmful or toxic gas or fume			R
	Highly corrosive			S
	Mildly corrosive			T
	Hygroscopic			U
	Interlocks, mats or agglomerates			V
	Oil present			W
	Packs under pressure			X
	Very light and fluffy			Y
	Elevated temperature			Z