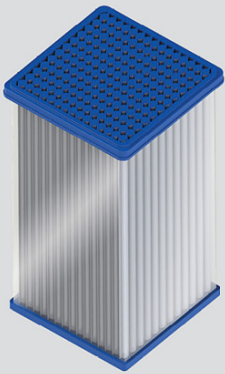


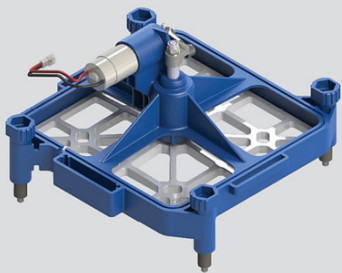
WAMFLO[®] polyTUBE[®]

Flanged Round Dust Collectors

INTERNATIONAL
PATENTS



polyTUBE[®]



MECHANICAL
CLEANING SYSTEM



REDEFINING DUST FILTRATION IN A COMPACT DESIGN WITHOUT COMPRESSED AIR.

WAMFLO® polyTUBE® is a compact dust collector designed for silo venting and suction applications in building and construction and heavy industry. The stainless steel body contains vertically mounted **polyTUBE®** filter elements. The new concept of a sealed plastic top cover allows for quick, safe and easy maintenance.

polyTUBE® filtration technology ensures high filtration efficiency thanks to **zero® nano-fibre** media and an open-profile tubular cell structure for reduced dust residue and high performance over time.

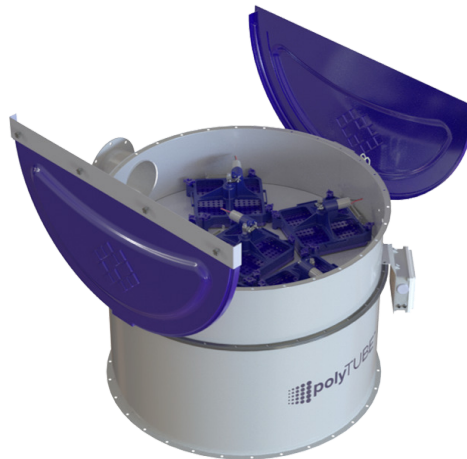
WAMFLO® polyTUBE® enables rapid evacuation of the dust-laden air flow to keep the system at peak performance.

The dust separated from the air flow by special filter elements drops back into the silo after an automatic mechanical cleaning system has removed the dust from the filter media.

polyTUBE® technology offers maximum filtration performance with minimum energy consumption.



WAMFLO® Vent polyTUBE® 400



WAMFLO® Vent polyTUBE® 800-1000



WAMFLO® Fan polyTUBE® 800-1000

The use of **compressed air** can be a challenge in a concrete plant due to:

- ☹️ Moisture
- ☹️ Low temperature
- ☹️ Condensation
- ☹️ Increased operating costs
- ☹️ Safety and operational issues

polyTUBE® technology offers top performance without compressed air and is:

- 🟢 ENERGY-saving
- 🟢 TIME-saving
- 🟢 SPACE-saving
- 🟢 MONEY-saving

....enhancing **EFFICIENCY** and **SAFETY!**

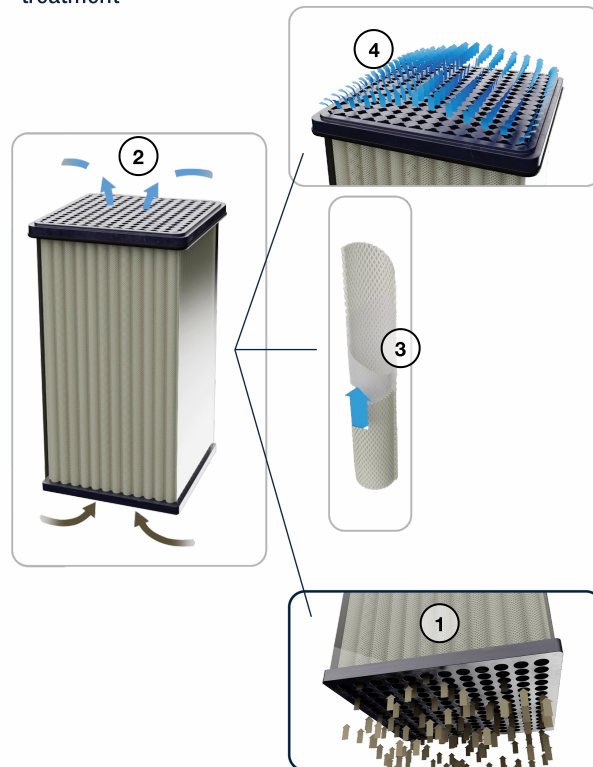
Technical Features

1 DIRTY AIR

2 DUST FILTRATION

3 **zero** NANO-FIBRE
treatment

4 CLEAN AIR



 **polyTUBE®**



polyTUBE® performs 4 times more efficiently than conventional filter elements



High durability due to tubular cell structure

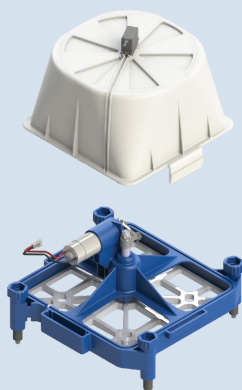


Eco-friendly **zero** filter media ($<1\text{mg}/\text{Nm}^3$ dust emission with cement)



Sturdy yet lightweight

MECHANICAL CLEANING SYSTEM



Low energy consumption

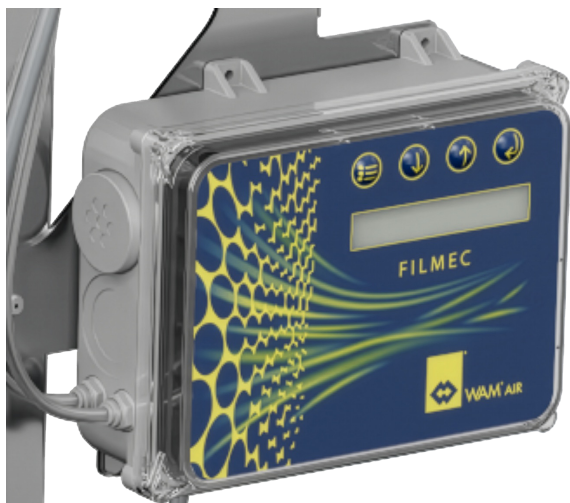


3 times lower noise level than air pulse-jet cleaning



Maximum performance at minimum stress on filter media

FILMEC™ Electronic Controller



Fully automated function management and control
with work-step recording



Plug&Play



Differential Pressure Meter



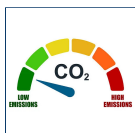
Modbus RS485



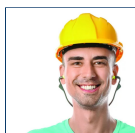
Monitoring Diagram

Power Supply	Frequency (Hz)	Maximum Power (W)	Energy Consumption (Wh)
90/260 V (AC)	50/60	100	<10
24 V (DC) +/- 8 %	-		

Benefits



**Minimum dust emissions
(ISO 16890 ePM1 55%)**



**Reduced noise impact (3 x lower
noise than air pulse-jet cleaning)
[-9 dB(A)]**



**Minimised energy consumption
< 80 kWh/year**



**Safe plant thanks to low differential
pressure and data monitoring**

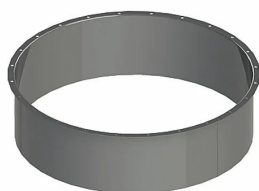


**Lower installation and operating
costs**



**Maximum performance over time
without dust residue**

Accessories



Weld-on bottom ring

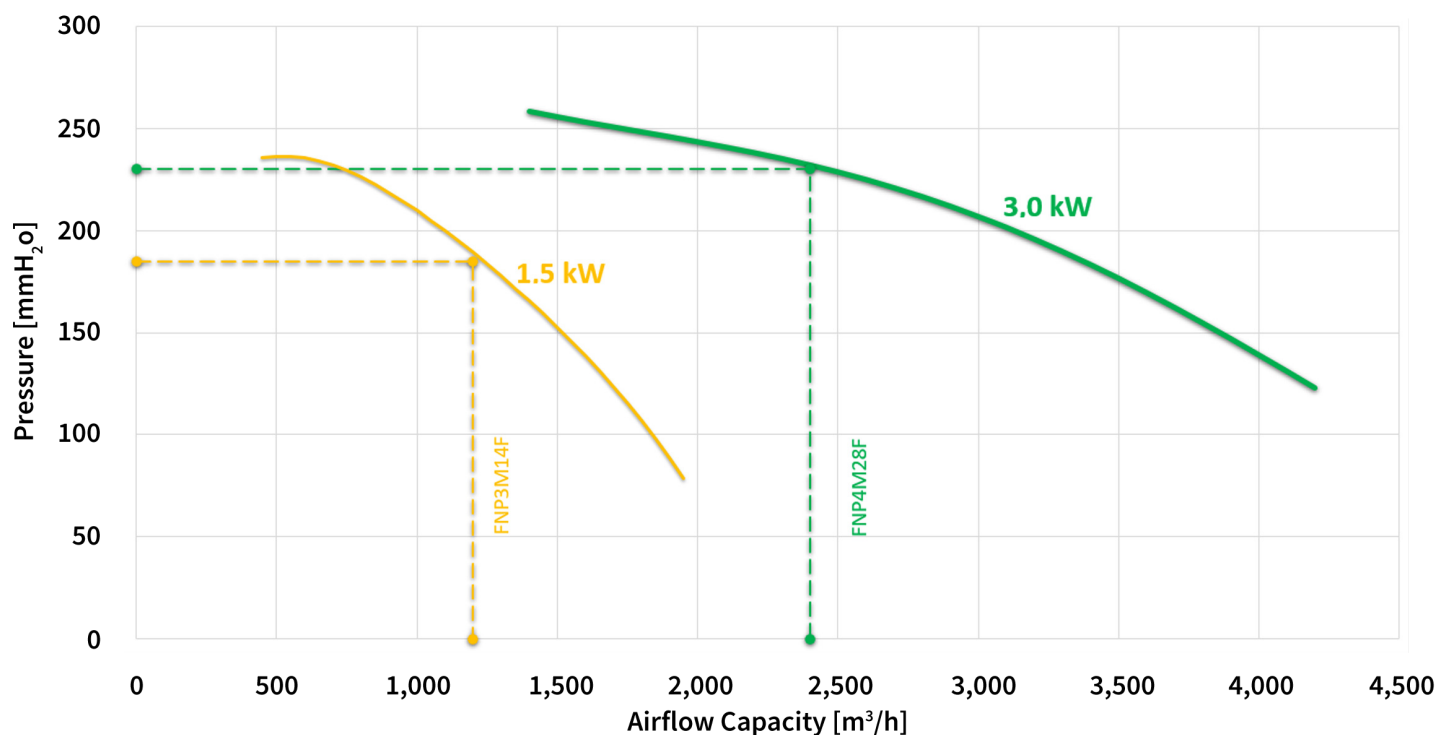


DK Filter Hopper



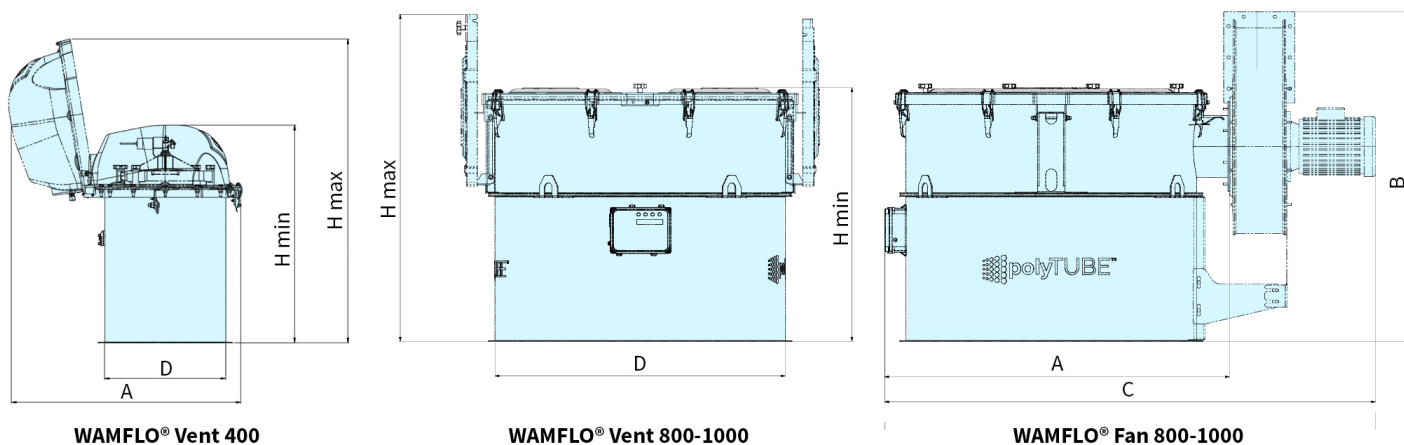
Choke valve

Performances - Airflow & Pressure



This chart compares the performances of WAMFLO® Fan polyTUBE® 800 and 1,000.

Overall Dimensions



CODE	TYPE	SIZE	NOMINAL AIRFLOW CAPACITY (Nm ³ /h)	H min (mm)	H max (mm)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)
FNP1M04C	VENT	400	500	850	1,050	780	-	-	40
FNP3M14R		800	1,500	900	1,170	940			100
FNP4M28R		1,000	3,000			1,160			140
FNP3M14F	FAN	800	1,200	900	1,170	940	1,190	1,500	155
FNP4M28F		1,000	2,400			1,160		1,700	260

Approximate dimensions



Shaping a **greener** future



WAM®



MAP®



TOREX®



EXTRAC®



WAM® AIR



WAM® VALVES



SILOFAB®



SAVECO®



WAM® AIR



UNI EN ISO 14001
Certified Company



UNI EN ISO 9001
Certified Company

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