EMMEBI IMPIANTI
AEROTEXTILE TECHNOLOGY

FIBRE SEPARATOR

The fibre separator is a static machine that uses the inertial effect to separate the fibre from the dusty air. The air with dust and fibre enters the upper part of the separator and, moving downwards, passes through a nylon sleeve that retains the fibres and larger particles. The air proceeds to the filtration stage while the fibre deposited at the bottom of the separator is taken up by a fibre transport fan. Each separator, at the air inlet, is equipped with a calibration flap whose function is to determine the correct inlet speed to guarantee the inertial effect.
The fibre separator is constructed in different sizes depending on the air handled and there are two models for each size: model A and model C
The letter A indicates the open-type fibre separator, which requires a containment chamber into which the air exiting the separator is fed.
The letter C indicates the closed-type fibre separator, which does not require a closed chamber due to its closing panels. The second, complete with a piping system that transports the dusty air to the filter, can be installed directly in the room.

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TECHNICAL DATA

TYPE	*AIR CAPACITY*
S2/A – S2/C	*from 10.000 m3/h to 20.000 m3/h*
S3/A – S3/C	*from 20.000 m3/h to 30.000 m3/h*
S4/A – S4/C	*from 30.000 m3/h to 40.000 m3/h*
S5/A – S5/C	*from 40.000 m3/h to 50.000 m3/h*

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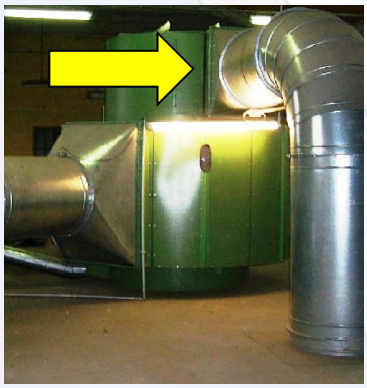
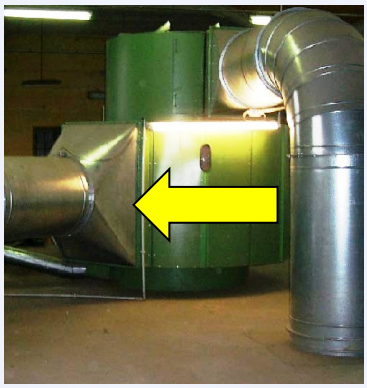
INSTALLATION PROCEDURES

The Fibre Separator can work indifferently in pressure or depressure circuit conditions.

1	Connect the piping at the higher inlet	
2	Connect the piping at the lower outlet and the round emptying box located in the base of the separator	
3	Bag mounting : a) pass through the nylon bag (Pos.5 Drawing N3 C) the two plastified steel cord (Pos. 6) b) put the clamps (Pos.7) on the cords c) release the stretchers (Pos.9) d) wind the bag on the higher flange e) stretch the cord and tight the clamp f) repeat the task d) and e) on the lower flange g) stretch the bag with the stretchers (Pos.9)	

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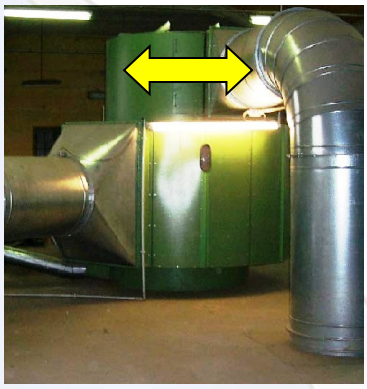
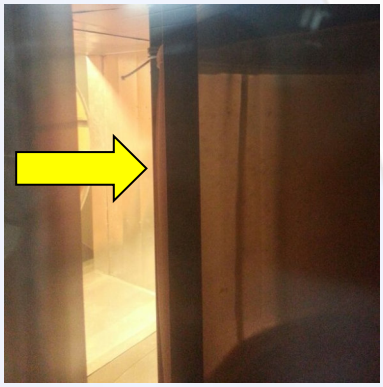
4	Make the adjusting of the inlet gate in order to get the proper tangential speed	
5	After the start-up check that the filtering bag is well stretched.	

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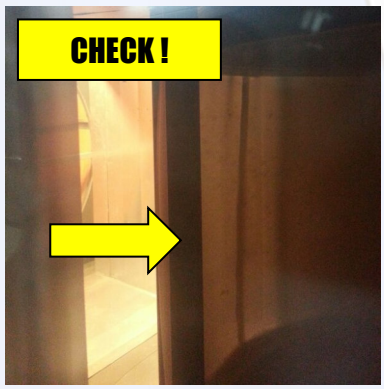
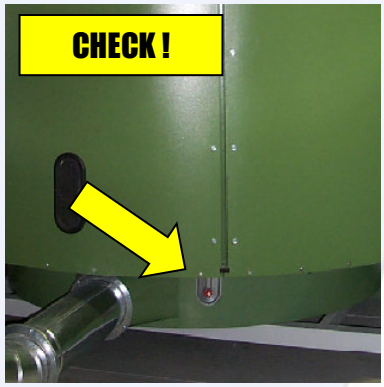
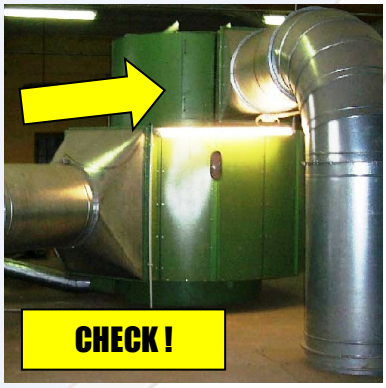
MAINTENANCE PROCEDURES

1	Check in the close type Fibre Separator that the shelter is airtighted	
2	Check periodically that the filtering bag is in a perfect condition without cuts and breakes. Check that the filtering bag is well stretched and is not abnormally shaking. Replace the filtering bag if broken.	
3	Check that the inspection doors are perfectly closed (Pos.12 Drawing N3C) .	
4	Check that the adjusting gate (Pos.4 Drawing N3C) is properly set. If not, set it as initially adjusted.	

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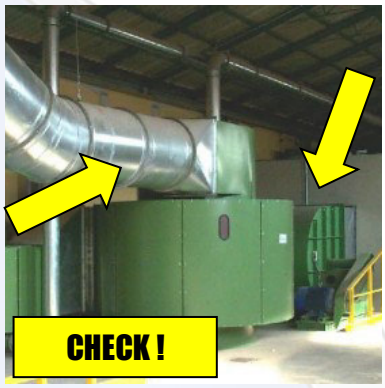
5	In case of large amount of fibre deposits at the bottom, check the damping circuit, the compactor and the associated fan.	

MAINTENANCE LIST

Spare part	Frequence of intervention					
	Weekly	*Monthly*	*Every 3 months*	*Every 6 months*	*Every Year*	*Every 2 years*
Nylon bag		*Clean with compressed air*				

Check the status of the component

Change the component (adviced)

Change the component (max time)

Grease

We advice to keep one piece or set in your storehouse

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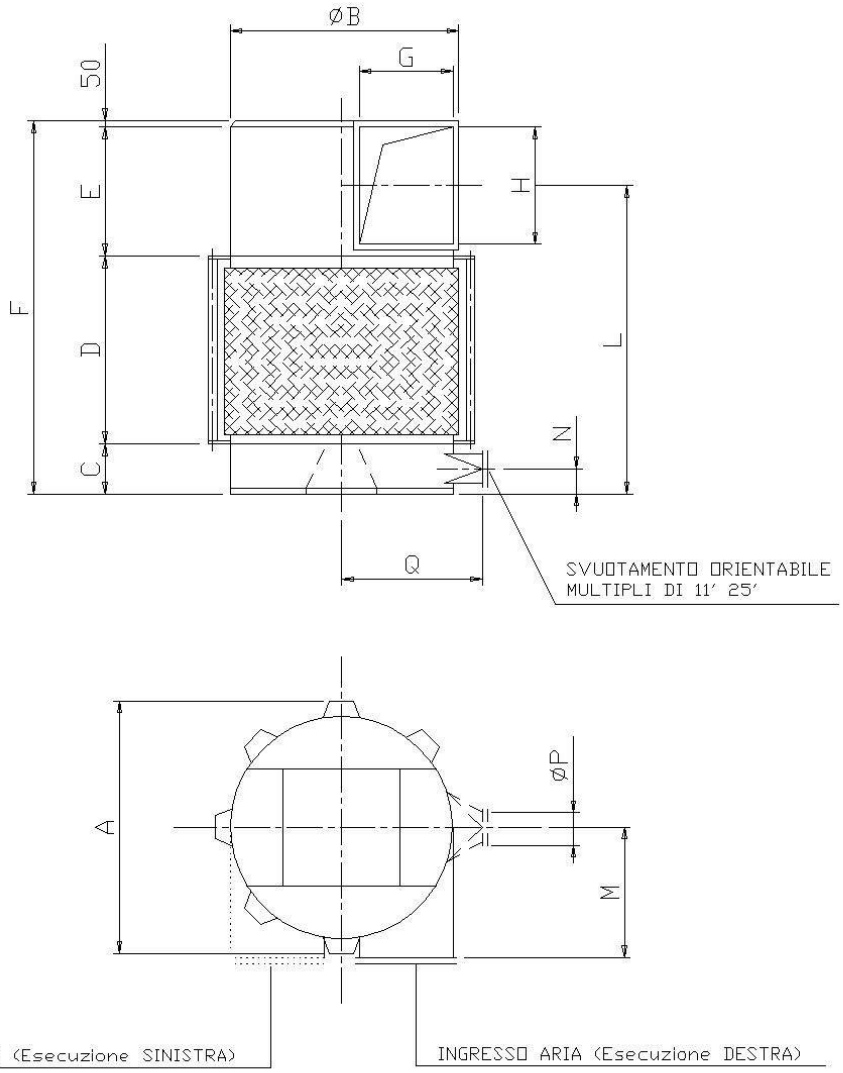
AEROTEXTILE TECHNOLOGY

FIBER SEPARATOR ASSEMBLY DRAWING

EMMEBI IMPIANTI
TECNOLOGIA - AEROTESSILE

N. DISEGNO	DATA ULT. AGG.
NORM. 09	18-09-01

DENOMINAZIONE
SEPARATORE DI FIBRA-APERTO



TIPO	A	B	C	D	E	F	G	H	L	M	N	P	Q
S1-A	1100	850	325	950	670	1900	370	470	1610	575	135	175	675
S2-A	1390	1150	350	1250	750	2400	500	650	2025	725	150	200	825
S3-A	1640	1400	375	1400	900	2725	600	800	2275	850	162	200	950
S4-A	1890	1650	400	1500	1000	2950	700	900	2450	975	175	225	1075
S5-A	2140	1900	425	1600	1100	3175	800	1000	2625	1110	212	225	1200

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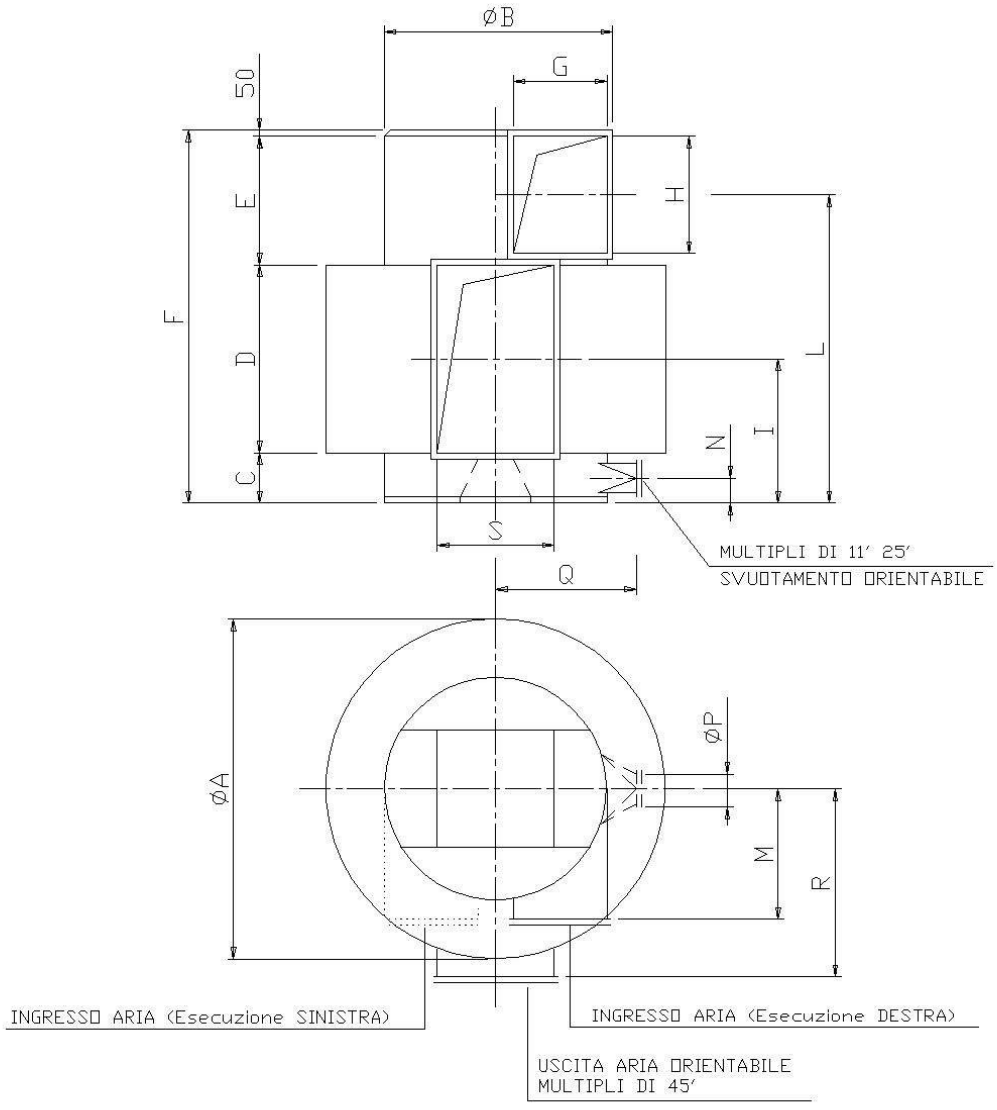
EMMEBI IMPIANTI
TECNOLOGIA - AEROTESSILE

N. DISEGNO	DATA ULT. AGG.
NORM. 08	19-2-2001

DENOMINAZIONE
SEPARATORE DI FIBRA-CHIUSO



TIPO	A	B	C	D	E	F	G	H	I	L	M	N	P	Q	R	S
S1-C	1650	850	325	950	570	1995	370	470	800	1710	575	128	175	675	950	730
S2-C	1950	1150	350	1250	750	2400	500	650	975	2025	725	150	200	825	1075	650
S3-C	2300	1400	375	1400	900	2725	600	800	1075	2275	850	162	200	950	1250	785
S4-C	2650	1650	400	1500	1000	2950	700	900	1150	2450	975	175	225	1075	1425	920
S5-C	2900	1900	425	1600	1100	3175	800	1000	1225	2625	1110	212	225	1200	1600	1050

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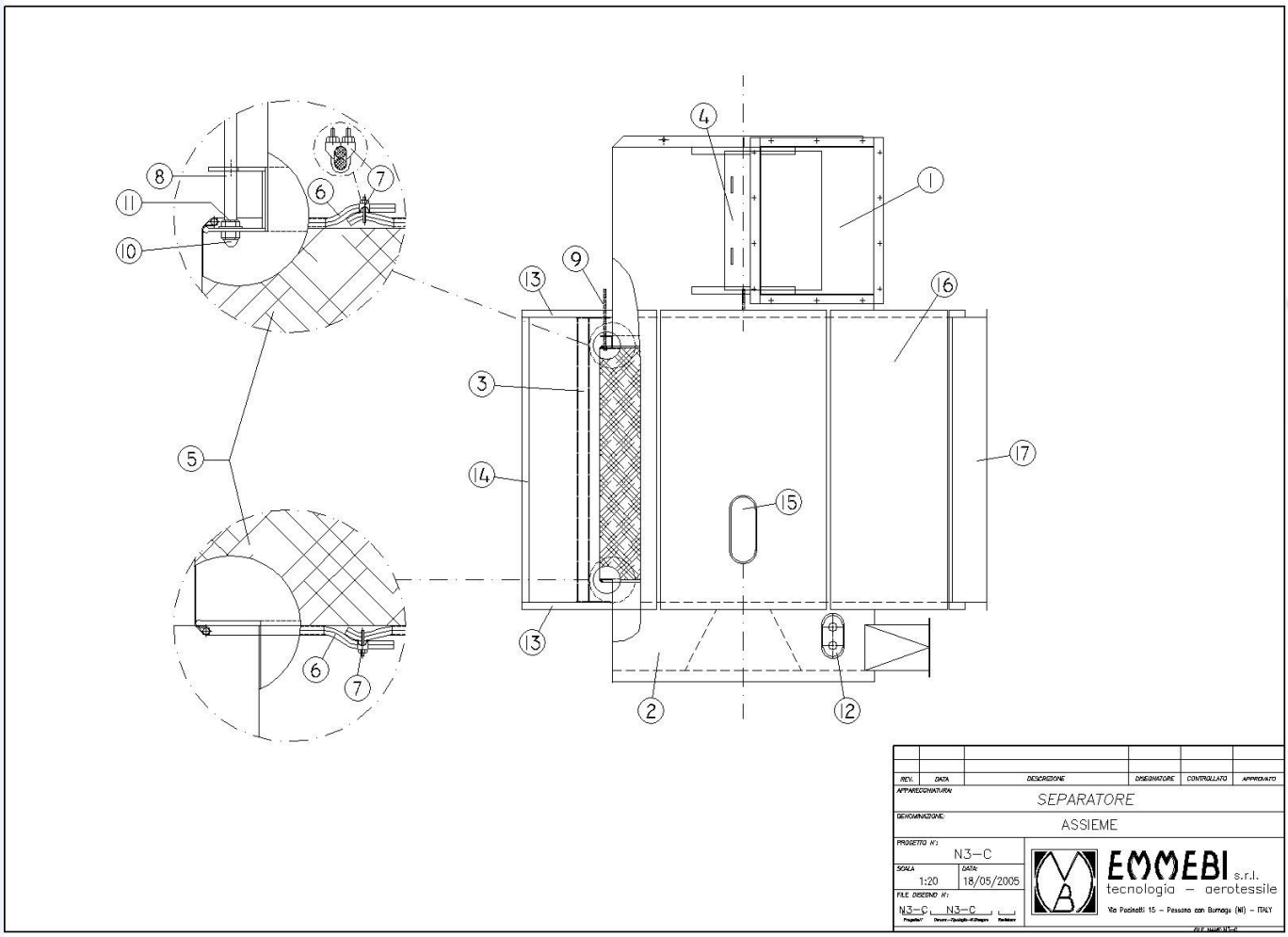
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REV.
DATA
DESCRIZIONE
DISEGNATORE
CONTROLLATO
APPROVATO
APPARECCHIATURA
SEPARATORE
DENOMINAZIONE
ASSIEME
PROGETTO N°:
N3-C
SCALA
1:20
DATA
18/05/2005
FILE DISEGNO N°:
N3-C
N3-C
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Via Pedretti 15 – Pessano con Bornago (MI) – ITALY

SPARE PARTS LIST

pos	ITEM	S2	S3	S4	S5
1	Nylon bag 	n.1	n.1	n.1	n.1
2	Inspection door 	n.1	n.1	n.1	n.1