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JAN 07 2011

CONCRETE BATCHING PLANT
AIR GENERAL PERMIT REGISTRATION FORM
Bureau of Air Monitoring & Mobile Sources

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority.

0571263-004

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
Continue operating the facility after a change of ownership.
Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):
No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Commercial Concrete Products, Inc.

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Commercial Concrete - Plant City Facility

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 2705 Sammonds Road

City: Plant City

County: Hillsborough

Zip Code: 33563-4556

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility)

N/A

Vertical stamp: 2011 JAN -5 PM 9:05

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Mark H. Baker, Vice President

Owner/Authorized Representative Mailing Address

Organization/Firm: Commercial Concrete Products, Inc.

Street Address: 2705 Sammonds Road

City: Plant City

County: Hillsborough

Zip Code: 33563 - 4554

Email: mh baker@commercialconcreteproducts.com

Owner/Authorized Representative Telephone Numbers

Telephone: 813-659-3707

Fax: 813-659-3515

Cell phone (optional): 813-340-6868

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Same as Above

Facility Contact Mailing Address

Organization/Firm: Same as Above

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone: Same as Above

Fax:

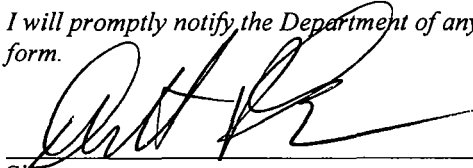
Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.



Signature

1-4-2011
Date

2011 JAN -5 AM 9:35
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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Type of Facility

Check one:

Stationary Facility **Relocatable Facility**

Type(s) of Reasonable Precautions Used to Prevent Unconfined Emissions

Check all precautions to be used for the management of roads, parking areas, stock piles and yards:

<input type="checkbox"/> Pave Roads	<input type="checkbox"/> Pave Parking Areas	<input type="checkbox"/> Pave Yards
<input checked="" type="checkbox"/> Maintain Roads/Parking/Yards	<input checked="" type="checkbox"/> Use Water Application	<input checked="" type="checkbox"/> Use Dust Suppressant
<input checked="" type="checkbox"/> Remove Particulate Matter	<input type="checkbox"/> Reduce Stock Pile Height	<input type="checkbox"/> Install Wind Breaks

Check all precautions to be used for the management of drop points to trucks:

<input type="checkbox"/> Spray Bar	<input type="checkbox"/> Chute	<input type="checkbox"/> Enclosure
	<input checked="" type="checkbox"/> Partial enclosure	

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

Application of water, chemicals or other dust suppressants as necessary to unpaved roads, yards, open stockpiles and similar activities.

Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate matter from becoming airborne.

Landscaping or planting of vegetation.

Use of hoods, fans, filters, and similar equipment as necessary to contain, capture and/or vent particulate matter.

Confining abrasive blasting where possible.

2011 JAN -5 AM 9:35
PHOTOGRAPHY
REVENUE

Description of Facility

Below, or as an attachment to this form, provide a description of the concrete batching plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

This purpose of this Re-Registration Form is to combine the two (2) existing concrete batching plant air general permits: 0571263-002-AG (expiration date: 02/05/2011) and 0571263-003-AG (expiration date: 03/03/2012) into one (1) air GP. The facility batches concrete in 0.5 to 1.0 cubic yard mixers to produce architectural concrete products such as lintels, window sills, and parking lots.

ACTIVE UNITS:

EU 003: Grey Cement Silo No. 3 - This is one (1) compartment of a two (2)-compartment silo comprising EU 003 and EU 004. Each compartment (i.e. Grey Cement Silo No. 3 and White Cement Silo No. 1) are equal in size and each has its own dust filter as deescribed below. Each compartment is capable of holding approximately 40 tons of cement.

EU 004: White Cement Silo No. 1 - Same description as for EU 003, above.

EU 005: Grey Cement Silo No. 4; began operation in 2007; 50.6 ton capacity.

INACTIVE UNITS:

EU 001: Grey Cement Silo No. 1

EU 002: Grey Cement Silo No. 2

} * SEE ATTACHED E-MAILS AS AN ADDENDUM TO THIS FORM FOR EU CONTROL DATA FOR THIS EQUIPMENT, DATED 01/04/11.

CONTROLS:

EU 003: Grey Silo No. 3 - Dust emissions from the silo when air is displaced during pneumatic loading of cement into the silo are controlled by a Mix S.r.l. Model SFCA180H5 cartridge filter with a total filter area of 194 square feet.

EU 004: White Silo No. 1 - Dust emissions from the silo when air is displaced during pneumatic loading of cement into the silo are controlled by a Mix S.r.l. Model SFCA180H5 cartridge filter with a total filter area of 194 square feet.

EU 005: Grey Silo No. 4 - Dust emissions from the silo when air is displaced during pneumatic loading of cement into the silo are controlled by a Mix S.r.l. Model SFCA180H5 cartridge filter with a total filter area of 194 square feet.

Information on the Mix S.r.l. Model SFCA180H5 cartridge filter is attached to this Form.

AL.

2011 JAN -5 AM 9:35
REVENUE

Dibble, Dickson

From: Lynn Robinson [lrobinson@sesfla.com]
Sent: Friday, January 14, 2011 11:57 AM
To: Dibble, Dickson
Cc: Mark Baker
Subject: Filter Details & Status of Silos Fwd: Commercial Concrete Air GP "renewal" - ID 0571263 - DEP "RAI" Fwd: RE: Air permit application - Question from DEP

Dick,

Please revise the status of the 2 older silos from "inactive" to "active, with long-term reserve shutdown" - they are not currently being operated however we understand this "active" category allows that should they be needed for increased production in the future they may be operated without re-permitting them.

It is understood that if plans call for operating them in the future, Commercial Concrete Products or their representative must send an email or other form of written notification to you before beginning their operation.

These 2 silos have the same filter units as on the newer silos, which is as follows:

Dust emissions from the silo when air is displaced during pneumatic loading of cement into the silo are controlled by a Mix S.r.l. Model SFCA180H5 cartridge filter with a total filter area of 194 square feet. Information on the Mix S.r.l. Model SFCA 180H5 cartridge filter was attached to the re-registration Form previously submitted to your office.

If further clarification is needed please call me.

Thank you for your assistance.

Lynn

Lynn Robinson, P.E.
Permitting Manager
Southern Environmental Sciences, Inc.
1204 North Wheeler Street
Plant City, FL 33563
Phone (813) 752-5014
Mobile (813) 957-8804
Fax: (813) 752-2475

----- Original Message -----

Subject: Commercial Concrete Air GP "renewal" - ID 0571263 - DEP "RAI" Fwd: RE: Air permit application - Question from DEP

Date: Fri, 14 Jan 2011 11:04:48 -0500

From: Lynn Robinson <lrobinson@sesfla.com>

To: Dibble, Dickson <Dickson.Dibble@dep.state.fl.us>

CC: Mark Baker <mhbaker@commercialconcreteproducts.com>

Dick,

Can you note that the 2 inactive silos have the same filter units as all other silos?

Thanks.

Lynn

----- Original Message -----

Subject:RE: Air permit application - Question from DEP

Date:Fri, 14 Jan 2011 09:33:48 -0600

From:Mark Baker <mhbaker@commercialconcreteproducts.com>

To:Lynn Robinson <lrobinson@sesfla.com>

Lynn

All the filter units are the same on all the silos

Sent from my HTC

Dibble, Dickson

From: Dibble, Dickson
Sent: Friday, January 14, 2011 3:42 PM
To: 'Lynn Robinson'
Cc: Mark Baker
Subject: RE: Filter Details & Status of Silos Fwd: Commercial Concrete Air GP "renewal" - ID 0571263
- DEP "RAI" Fwd: RE: Air permit application - Question from DEP

Lynn,

Here is a summary of our discussion, and you are correct in your understanding of our discussion.

Due to current economic conditions some AG entitled facilities have temporarily shut-down their facilities, or a portion of their facilities. They desire to keep their entitlement and emission units "ACTIVE", so that when the economic activity picks back up they can get back on line with the least amount of delay. This is when the Emission Unit "Long Term Reserve Shutdown" option in our ARMS database is used. Temporary shutdowns must be requested in writing – a notification form is not required.

Once a date is entered in the "Long Term Reserve Shutdown" field in the ARMS Emission Unit screen it will allow the individual emission unit(s) (*in the case of Commercial Concrete's silos #1 & #2*) to remain "active" in the system and attached to the permit, but they will **not** be flagged for annual VE testing.

Once the "Long Term Reserve Shutdown" date has been removed, if the unit(s) are still within the annual testing cycle period and have not gone beyond the normal annual testing cycle date, then testing won't be required. If the units remained in shutdown and continued in shutdown beyond the normal annual testing date, then testing would be required once the units commenced operation.

To remove the "Long Term Reserve Shutdown" date would be considered as an Administrative Change function and would only require a notification in writing (e-mail, letter, etc.). It **would not** require re-entitlement via the Concrete Batching Plant Air General Permit Notification Form and a processing fee. It also probably wouldn't hurt to copy the District or Local Program office which may have compliance & enforcement jurisdictional authority within the geographic area where the facility is located.

FYI - Below are examples of what the ARMS Emission Unit screen and the Long Term Reserve Shutdown field look like:

EU 001

Florida Department of Environmental Protection - Enterprise Applications

EU Details Emission.pnt Pollutant VE AOR/SIP Con monitor Comp/Assur Help Return exit Window ORACLE

Air Resource Management System - Emissions Unit

POINT AIRS ID 0571263 STATUS A OFFICE SWHI SV: HILLSBOROUGH

SITE NAME COMMERCIAL CONCRETE-PLANT CITY FACILI COUNTY HILLSBOROUGH

OWNER/COMP COMMERCIAL CONCRETE PRODUCTS INC

Description & Status

Emis Unit ID 001 Status A Active Oz SIP Base Yr Unit H

Description CCB Plant-silo#1(greycement)w/sil atop baghouse

EU Class R Regulated Emissions Unit

Type 5.10 Concrete Batch/Block Plan AIRS Desc CCB PLANT-SILO#1(GREYCEME

Maj Group SIC 32 Stone, Clay, Glass And Concrete Products Commence Construction Dt

Gen Rating MW CEMS-Method of Compliance H Startup Dt

Manufacturer MIX SRL Permanent Shutdown Dt

Model No SFCA180HS Long Term Reserve Shutdown Dt 01/31/2007

of Segment 2 A 0 # of Pollutant 2 A 0 # of VE Subtype 1

Comment Long Term Reserve Shutdown - Do Not INACTIVATE; Cartridge filter-194 sq f

Incinerator

Dwell Time Sec Dwell Temp F Afterburner Temp F

Enter the Emission Unit's Long Term Reserve Shutdown Date

Record: 1/1

EU 002

Florida Department of Environmental Protection - Enterprise Applications

EU Details Emission.pnt Pollutant VE AOR/SIP Con monitor Comp/Assur Help Return exit Window ORACLE

Air Resource Management System - Emissions Unit

POINT AIRS ID 0571263 STATUS A OFFICE SWHI SV: HILLSBOROUGH

SITE NAME COMMERCIAL CONCRETE-PLANT CITY FACILI COUNTY HILLSBOROUGH

OWNER/COMP COMMERCIAL CONCRETE PRODUCTS INC

Description & Status

Emis Unit ID 002 Status A Active Oz SIP Base Yr Unit H

Description CCB Plant-silo#2(greycement)w/sil atop baghouse

EU Class R Regulated Emissions Unit

Type 5.10 Concrete Batch/Block Plan AIRS Desc CCB PLANT-SILO#2(GREYCEME

Maj Group SIC 32 Stone, Clay, Glass And Concrete Products Commence Construction Dt

Gen Rating MW CEMS-Method of Compliance H Startup Dt

Manufacturer MIX SRL Permanent Shutdown Dt

Model No SFCA180HS Long Term Reserve Shutdown Dt 01/01/2007

of Segment 2 A 0 # of Pollutant 2 A 0 # of VE Subtype 1

Comment Long Term Reserve Shutdown - Do Not INACTIVATE; Cartridge filter-194 sq f

Incinerator

Dwell Time Sec Dwell Temp F Afterburner Temp F

Enter the Emission Unit's Long Term Reserve Shutdown Date

Record: 1/1

Hope this helps. If you have any questions, comments or concerns please e-mail or call.

Thank you and have a great weekend!

Sincerely yours,

Dick

Dickson E. Dibble, ES III

Air General Permit Program
FL Dept of Environmental Protection
Div. of Air Resource Management
Bureau of Air Monitoring & Mobile Sources
Old Tel. (850) 921-9586
New Tel. (850) 717-9071
Old FAX (850) 922-6979
New FAX (850) 717-9001
GIC -#345
New GIC - #59571

Dickson.Dibble@dep.state.fl.us



Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure

From: Lynn Robinson [mailto:lrobinson@sesfla.com]

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To: Dibble, Dickson

Cc: Mark Baker

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To: Lynn Robinson <lrobinson@sesfla.com>

Lynn

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Sent from my HTC

**CONTROL DEVICE
INFORMATION**

2011 JAN -5 AM 9:35
REVENUE
ACCOUNTING
DEPARTMENT

Cartridge Filter
Patronenfilter
Filtre à Cartouches
Filtro de Cartuchos
Filtro a Cartuccia

MIX



FILTERING DIVISION

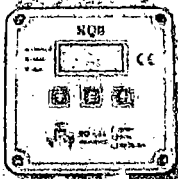
SF4/06

TECHNOLOGY
IN THE
FILTERING



SFCA

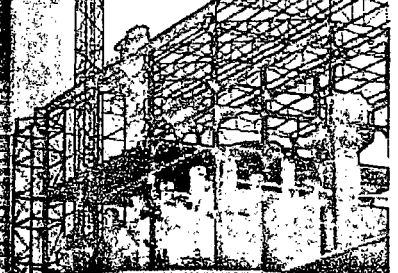
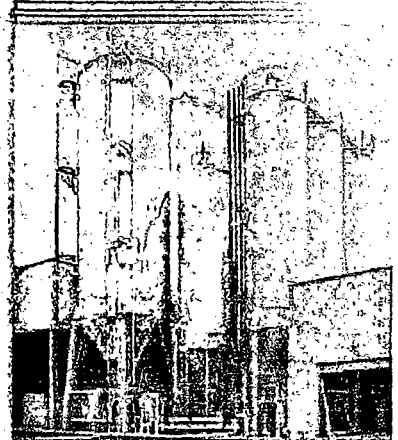
NEW



MIX



SKYFILTER™



THE EXCELLENCE
IN THE FILTERING

Seal flange - Cartridge inspection
Abgedichteter Flansch - Sichtprüfung der Patronen
Bride étanche - Inspection des cartouches
Brida de estanqueidad - Inspección de los cartuchos
Flangia a tenuta Ispezione cartucce

Safety padlock
Vorhängeschloss
Cadenas de seguridad
Candado de seguridad
Lucchetto di sicurezza

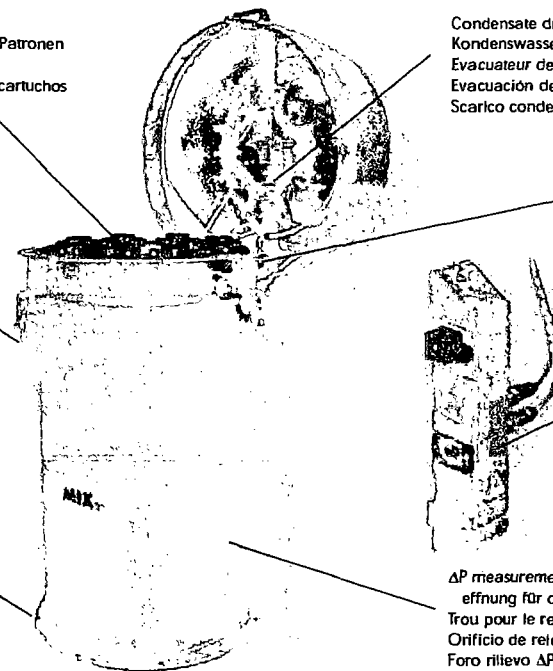
Arrangement for base ring
SFS10C
Vorbereitung für
Einschweisszarge SFS10C
Prédisposition pour anneau
sous-filtre SFS10C
Predisposizione para anillo
bajo filtro SFS10C
Predisposizione per anello
sottofiltro SFC10C

Condensate drainage system
Kondenswasserablauf
Evacuateur de l'eau de condensation
Evacuación del condensado
Scarico condensa

Air Inlet
Luftenfrit
Entrée de l'air
Entrada aire
Entrata aria

Control panel
Steuergerät
Sequencer
Secuenciador
Sequenziatore

ΔP measurement hole
effnung für die ΔP Messung
Trou pour le relevé du ΔP
Orificio de relevamiento ΔP
Foro rilievo ΔP



PRODUCT
PRESENTATION
PRODUKT VORSTELLUNG
PRESENTATION DU
PRODUIT
PRESENTACION DEL
PRODUCTO
PRESENTAZIONE
PRODOTTO

ACCESSORIES/ZUBEHÖR/ACCESSOIRES/ACCESSORIOS/ACCESSORI

KOK **NEW**

CYCLICAL-ELECTRO-PNEUM. ADJUSTABLE CONTROL PANEL
ZYKLISCHES ELEKTROPNEUMATISCHES STEUERGERÄT
SEQUENCEUR CYCLIQUE ELECTRO-PNEUMATIQUE
SECUENCIADOR CICLICO ELECTRONEUMATICO
SEQUENZIATORE CICLICO ELETTRO-PNEUMATICO

**CONTROL PANELS
STEUERGERÄTE
SEQUENCEURS
SECUENCIADORES
SEQUENZIATORI**

VOLTAJE
SPANNUNGEN
TENSIONE
TENSIONES
TENSIONI.

5-23 VAC

For other voltages, please see catalogue filter accessories
Für verschiedene Spannungen: sehen Sie das Katalog Filter Zubehör
Pour tensions différentes, voir catalogue accessoires filtres
Por el tensiones diferentes ver catalogo accesorios filtros
Per tensioni diverse vedi catalogo accessori filtri

KQB

VISUAL PRESSURE DIFFERENTIAL-
VISUELLE DRUCKDIFFERENZANZEIGE
DIFFERENTIAL DE PRESSION VISUEL
DIFERENCIAL DE PRESSION VISUAL
DIFFERENZIALE DI PRESSIONE VISIVO

SKR45G

PRESSURE REDUCER
DRUCKMINDERER
REGULATEUR DE PRESSION
REDUCTOR DE PRESSION
RIDUTTORE DI PRESSIONE

SFS10C

FILTER BASE
EINSCHWEISSZARGE
ANNEAU SOUS FILTRE
ANILLO BAJO FILTRO
ANELLO SOTTOFILTRO

SFT

PRE-SEPARATING HOPPER
VORABSCHNEIDERTRICHTER
TRÉMIE DE PRÉ-SEPARATION
TOLVA PRÉSEPARADORA
TRAMOGGIA PRÉ-SEPARATRICE

SFN

MOBILE DUST COLLECTION TANK
BEWEGLICHER SAMMELBEHÄLTER
CONTENEUR À DÉCROCHAGE RAPIDE
CONTENEDOR DE SEPARACIÓN RÁPIDO
CONTENITORE A DISTACCO RAPIDO

SKV SAMPLER

DUST SAMPLER
ZUR ENTNAHME DER STAUBE
ÉCHANTILLONNEUR POUSSIÈRES
TOMA MAESTRA DE PULVOS
CAMPIONAMENTO POLVERI

NOTE - ANM - NOTE - NOTA - NOTA

GB: All dimensions in the catalogue are expressed in mm, unless stated otherwise. The Company MIX reserve the right to alter product specifications without prior notice. The figures given are mean values with tolerances entailed by the customary production related variations. In any specific case the correctness of any figure must be explicitly confirmed by us. All the quoted filtering surfaces have to be understood as approximate.

D: Alle die dimensionen in mm, wenn nicht anders gegeben. Firma MIX behält sich das Recht vor, Veränderungen ohne Vorankündigung durchzuführen. Die angegebene Daten sind Mittelwerten mit Toleranzen in bezug auf m gleichen Skalenertragsveränderungen. Für Sonderanfrage ist unsere schriftliche Bestätigung notwendig. Alle genannten Filteroberfläche sollen als ungefähre verstanden werden.

F: Toutes les e tes exprimées dans ce catalogue sont en mm, sauf indication contraire. La Société MIX se réserve le droit d'apporter des modifications sans préavis. Les valeurs données doivent tre entendus avec tolérances obtenues par normales fluctuations de production. Dans cas spécifiques el pour valeurs précises est nécessaires avoir notre confirmation écrite. Toutes les surfaces filtrantes citées s'entendent indicatives.

E: Todas las cotas expresadas en mm, si no se especifica otra cosa. La empresa MIX se reserva el derecho de realizar modificaciones sin previo aviso. Los datos son medios en referimiento a las posibles variaciones de producción. Para casos específicos es necesario nuestra confirma escrita. Todas tes superficies filtrantes mencionadas son Indicativas.

I: Tutte le quote del catalogo sono espresse in mm, se non diversamente specificato. La Ditta MIX si riserva di apportare modifiche senza preavviso. I valori dati sono da intendersi con tolleranze risultanti da normali fluttuazioni di produzione. In casi particolari e per valori precisi necessaria la nostra conferma scritta. Tutte le superficiali filtranti citate sono da intendersi indicative.

SFCA

SFP

DIMENSIONI
FILTRAZIONE

140 14 m² *Nominal Filtering Surface area*

180 18 m² *Nominalen Filterfläche*

240 24 m² *Surface de filtration nominale*

Superficie filtrante nominal

Superficie filtrante nominale

Filtering media

Werkstoff der Filterelemente

Matière des éléments filtrants

Material elementos filtrantes

Materiale elementi filtranti

G Super polyester (white), top flange/bottom in plastic (type "SKYFILTER")

Super Polyester (weiss), Flansche aus Kunststoff (Typ "SKYFILTER")

Super polyester (blanc), brides en plastique (type "SKYFILTER")

Poliester super (blanco), brida en plástico (tipo "SKYFILTER")

Poliestere super (bianco), flange in plastica (tipo "SKYFILTER")

H Super polyester (white), top flange/bottom in zinc plated mild steel

Super Polyester (weiss), Flansche in Verzinktem Stahl

Super polyester (blanc), brides en acier zingué

Poliester super (blanco), brida en acero zincado

Poliestere super (bianco), flange in acciaio zincato

Material of construction

Werkstoff

Matière de construction

Material de construcción

Materiale di costruzione

5 Central body in AISI 304, cover in aluminium, cartridges mounting plate zinc plated mild steel.

Zentrales Teil aus Edelstahl 1.4301, Deckel aus Aluminium, Patronenträgerscheibe in Verzinktem Stahl.

Corps central en acier Inox 304, couvercle en aluminium, disque pour cartouches en acier au carbone zingué.

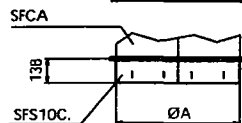
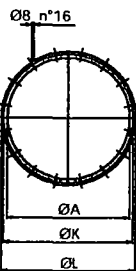
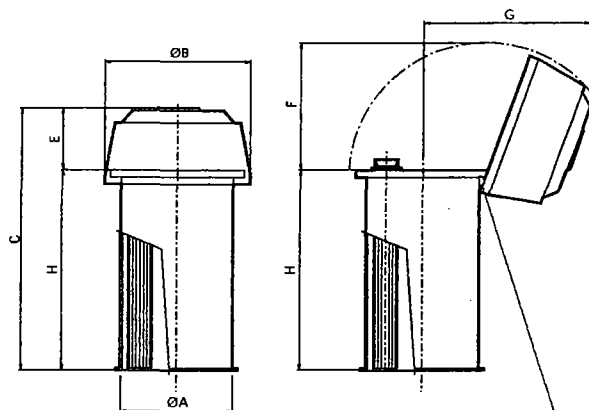
Cuerpo central en AISI 304, tapa en aluminio, disco patacartuchos en acero al carbono zincado.

Corpo centrale in AISI 304, coperchio in alluminio, disco porta cartucce in acciaio carbonio zincato.

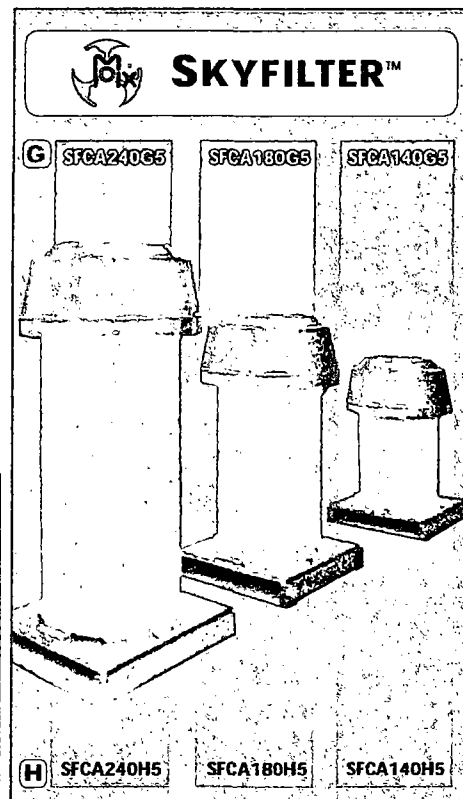
CODE OPTIONS
MÖGLICHE CODE
TABLE DES TYPES
TABELLA DEI TIPOLOGIA
TAVOLA TIPOLOGIE

SFCA140G5	SFCA140H5
SFCA180G5	SFCA180H5
SFCA240G5	SFCA240H5

KEY TO CODE
PRODUKT-CODE
CLEF DU CODE
CLAVES DEL CODIGO
CHIAVE DI CODICE



Air inlet 3/8" GAS or pipe 12x1
Luftleitritzt 3/8" GAS oder Rohr 12x1
Entrée de l'air 3/8" GAS ou tube 12x1
Entrada alr 3/8" GAS o tubo 12x1
Entrata aria 3/8" GAS o tubo 12x1



DIMENSIONS
DIMENSIONEN
DIMENSIONS
MEDIDAS
DIMENSIONI

Type	Nominal m ²	ØA	ØB	ØC	E	F	G	H	ØK	ØL	L ₁
SFCA140G5	14	539	700	1020	300	610	830	720	570	590	55
SFCA140H5	14	539	700	1020	300	610	830	720	570	590	55
SFCA180G5	18	539	700	1270	300	610	830	970	570	590	60
SFCA180H5	18	539	700	1270	300	610	830	970	570	590	60
SFCA240G5	24	539	700	1520	300	610	830	1220	570	590	65
SFCA240H5	24	539	700	1520	300	610	830	1220	570	590	65



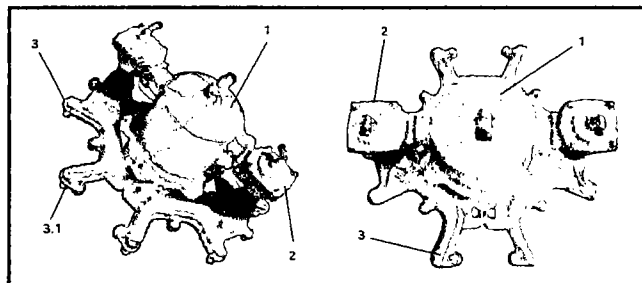
MIX S.r.l. has always based the efficiency of its products on a particular care to the details in order to achieve a good ratio between purchasing costs and operational costs.

Die Firma MIX S.r.l. glaubt, daß die Sorgfalt bei der Auswahl der Einzelkomponenten für die Vervollständigung einer Maschine eine bedeutende Voraussetzung für die letztlich überlegene Funktionalität der Maschine entscheidend ist. Auf diese Weise kann man einen Vergleich zwischen Anschaffungskosten und folgenden Betriebskosten erstellen.

La société MIX S.r.l. est convaincu que la recherche et l'évolution des produits permet un meilleur rapport qualité-prix-exploitation.

La empresa MIX S.r.l. siempre ha considerado que el atención de los detalles es de extrema importancia para el perfeccionamiento de una maquina que tenga una buena relación precio de compra y sucesivos costos de explotación.

La società MIX S.r.l. da sempre ritiene che la cura dei particolari sia vincente per il completamento di una macchina con un buon rapporto costo d'acquisto e successivo costo d'esercizio.



Quality and innovation

- 1 Aluminium modular tank
- 2 Aluminium impulse valve
- 3 Aluminium distributions manifolds
- 3.1 Manifold end section with the function of a jet
A canalization with homogeneous sections and connected lines links the tank (Pos.1) and the jet (Pos. 3.1), in order to optimize the discharge power and get the best cleaning using the least air quantity.

Qualität und Forschung

- 1 Maßeinheitlicher Lufttank aus Aluminium
- 2 Pneumatische Schlußmagnetventil aus Aluminium
- 3 Endteil des Luftverteilerarmes als Düse geformt
- 3.1 Eine Luftverteilung mit einer Kanalisation, die durch konstante Querschnitte besticht, verbindet den Behälter (Pos.1) und die Düse (Pos. 3.1), damit die Abreinigungsleistung vergrößert wird und die beste Reinigung mit der geringsten Luftmenge erreicht werden kann.

Qualité et innovation

- 1 Réservoir modulaire en aluminium
- 2 Vanne pneumatique de décolmatage en aluminium
- 3 Collecteur d'air de décolmatage en aluminium
- 3.1 Injecteurs en bout collecteur
Une canalisation avec sections et lignes raccordées joint le réservoir (Pos.1) et le collecteur (Pos. 3.1) afin d'obtenir le meilleur nettoyage en utilisant la moindre quantité d'air.

Calidad y innovación

- 1 Tanque modular en aluminio
- 2 Válvula de disparo neumática en aluminio
- 3 Colectores de disparo en aluminio.
- 3.1 Parte terminal del colector con función de boquilla
Entre el tanque (Pos.1) y la boquilla (Pos. 3.1) hay una canalización con secciones homogéneas y alineadas para que se optimice la potencia de disparo y se obtenga la máxima limpieza con la mínima cantidad de aire.

Qualità ed innovazione

- 1 Serbatoio modulare in alluminio
- 2 Valvola di sparo pneumatica in alluminio
- 3 Collettori sparo in alluminio
- 3.1 Parte terminale del collettore con funzione di ugello. Dal serbatoio (pos. 1) all'ugello (pos. 3.1) si ha una canalizzazione con sezioni omogenee e linee raccordate al fine di ottimizzare la potenza di sparo, ottenendo la massima pulizia con la quantità minima d'aria.

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	Safety lock
	Hängeschloss
	Cadenas de sécurité
	Candado de seguridad
	Lucchetto di sicurezza

	Cartridges Inspection System	
	Inspektion der Patronen	
	System d'inspection cartouches	
	Sistema de inspección	
	Sistema d'ispezione cartucce	

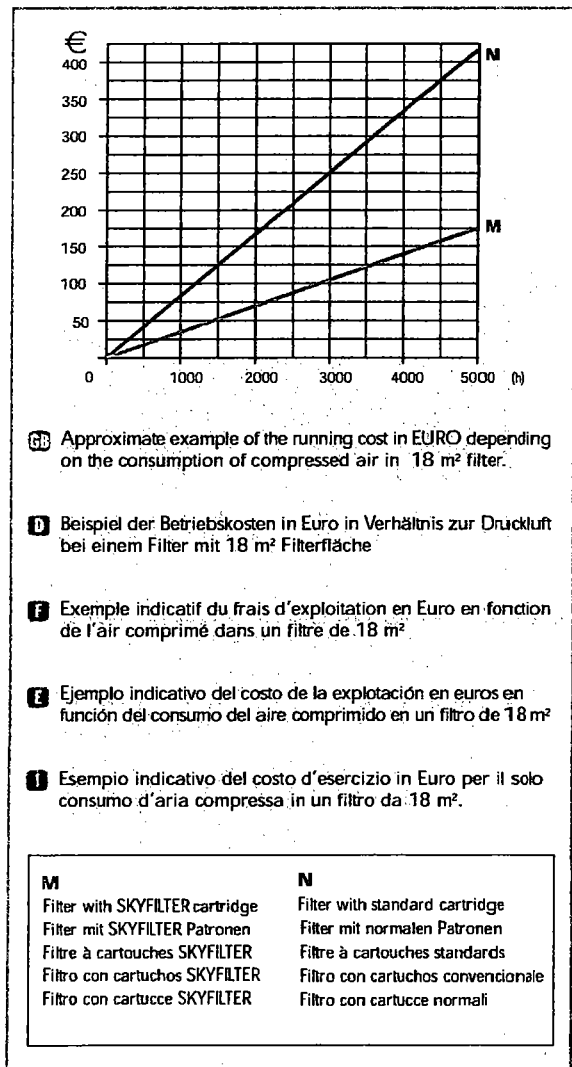
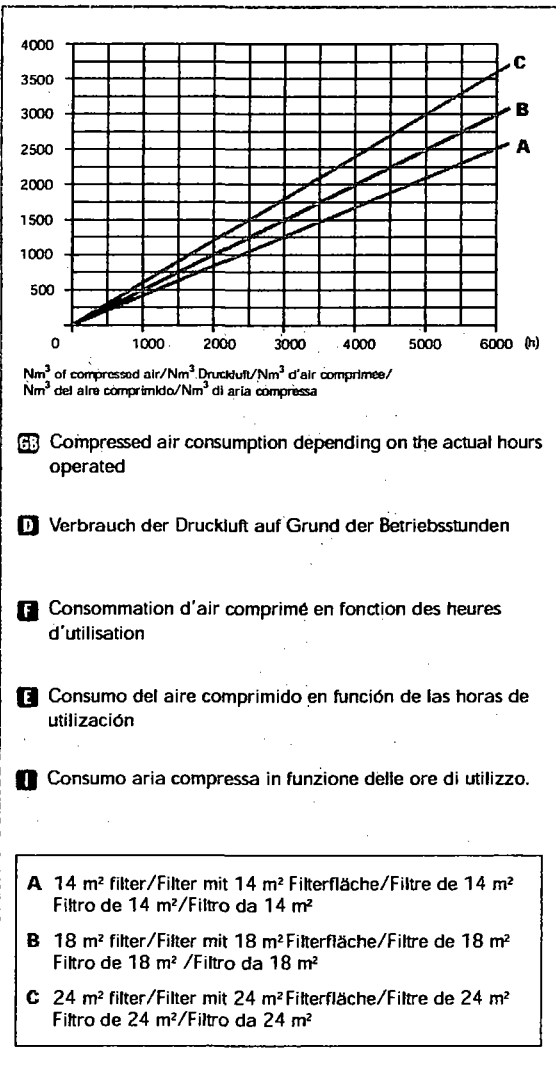
	Fast maintenance system	
	Schnelle Wartungssystem	
	System rapide de maintenance	
	Sistema rapido de manutención	
	Sistema rapido di manutenzione	

	Safety block
	Sicherheitsvorrichtung
	Bloc de sécurité
	Bloque de seguridad
	Blocco antinfortunistico



- Gli elementi filtranti tradizionali per cartucce sono in nontessuto saldato a punti.
- Δ Il materiale filtrante SKYFILTER è un nontessuto termolegato su tutta la superficie che conferisce: maggior omogeneità / maggior superficie disponibile per la filtrazione.
- Gli elementi filtranti tradizionali sono composti da un intreccio di fibre (di solito poliestere per poter resistere con cemento caldo) e hanno il compito di fermare le particelle di polvere. La permeabilità all'aria viene stabilita con prove BIA secondo DIN 53887 e normalmente i comuni elementi filtranti (utilizzati in questo settore) non superano la permeabilità di 600 m³/m²/h.
- Δ Lo SKYFILTER è costruito con fibre in poliestere di dimensioni superiori a quelle standard e lo stesso reticolo è con maglie più grandi: questo gli conferisce una permeabilità all'aria (prove BIA secondo DIN 53887) di 3.400 m³/m²/h, cioè ben 6 volte superiore a quella dei tradizionali elementi filtranti. L'effetto filtrante avviene tramite una pellicola formata dalle particelle più grandi che fermano anche le particelle minori. I vantaggi sono:
- Δ Elemento filtrante molto resistente, grazie alle fibre di maggior dimensione, quindi maggior durata.
- Δ A parità di superficie filtrante si ha un maggior attraversamento quindi una minore perdita di carico. In definitiva un filtro con SKYFILTER esegue il lavoro circa doppio di un filtro con elemento filtrante tradizionale. Questa considerazione si può applicare solo al cemento ed altre polveri con gli stessi range granulometrici: non si può utilizzare lo SKYFILTER con miscele polverose con alta percentuale di polveri submicroniche.
- Δ Lo SKYFILTER, grazie alla sua particolare struttura con maglia più grande, necessita di una minore pressione di lavaggio (3+4 bar anziché i 5+6 bar normalmente utilizzati), ed anche i tempi di pausa fra uno sparo ed il successivo vengono aumentati del 50%. Se ipotizziamo che per la pulizia di un filtro con elementi tradizionali occorrono 100 Ni di aria compressa, per la pulizia di un filtro con SKYFILTER occorrono solo 42 Ni.

More advantages of the new filter with SKYFILTER filtering material
Offensichtliche Vorteile des neuen Filters bei Gebrauch von SKYFILTER Patronen
Les avantages les plus évidentes du nouveau filtre en utilisant l'élément filtrant SKYFILTER
Vantajas más evidentes del nuevo filtro con el material filtrante SKYFILTER
Principali vantaggi del nuovo filtro con l'utilizzo dello SKYFILTER



Cartridge filter operation with reverse air jet cleaning
Arbeitsweise eines Patronenfilters mit stromaufwärts gerichteter Reinigung
Fonctionnement du filtre à cartouches avec nettoyage à contre courant
Funcionamiento de un filtro de cartuchos con limpieza en contracorriente
Funzionamento di un filtro a cartuccia con lavaggio in controcorrente

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The technical characteristics and the quality of the filtering element (cartridge fabric) are important for: the efficiency, the flow resistance and the duration/life of the filter.

This filter unit is fitted with cartridges called SKYFILTER. These cartridges are made using a new media with incredible performance characteristics.

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Die technischen Daten und die Materialqualität des filtrierenden Bestandteiles (Patronengewebe) sind für den Belastungsverlust, die Leistungsfähigkeit und die Lebensdauer des Filters entscheidend.

Dieser Filter ist mit Patronen versehen, die den Namen SKYFILTER tragen. Diese Patronen sind aus einem filtrierenden Gewebe gebaut, das unglaubliche Eigenschaften besitzt.

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Les caractéristiques techniques et la qualité de l'élément filtrant (tissu de la cartouche) sont déterminants pour: l'efficacité, la perte de charge et la durée du filtre.

Cette série de filtres est munie de cartouches SKYFILTER. Ces cartouches sont construites avec un tissu filtrant ayant des caractéristiques extraordinaires.

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Las características técnicas y la calidad del material del elemento filtrante (tejido del cartucho) son determinantes por: el buen funcionamiento, la pérdida de carga y la duración del filtro.

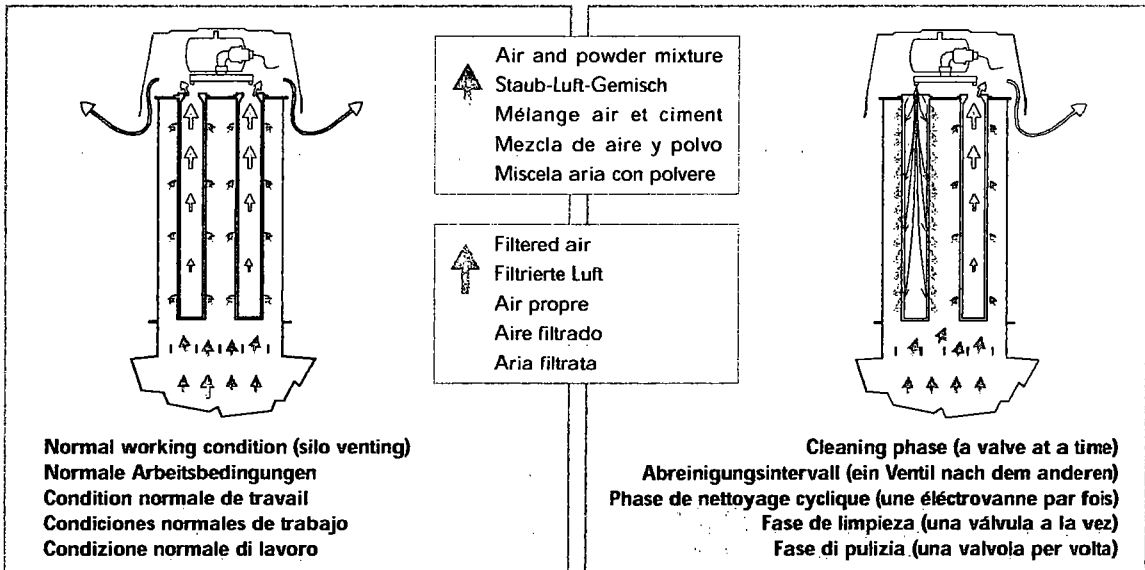
Este grupo de filtros está equipado de cartuchos que se llaman SKYFILTER. Con estos cartuchos se utiliza un tejido filtrante que tiene características extraordinarias.

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Le caratteristiche tecniche e la qualità del materiale dell'elemento filtrante (tessuto della cartuccia) sono determinanti per: l'efficienza, la perdita di carico, la durata del filtro.

Questa serie di filtri è corredata di cartucce denominate SKYFILTER, costruite con un tessuto filtrante dalle caratteristiche veramente uniche.

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• The standard cartridge filtering elements are made by normal pressure bonded cartridge media.

△ The SKYFILTER cartridge filtering media is heat bonded. This feature gives: more homogeneity and much more effective filtration surface.

• The standard filtering elements are made up of an interlacement of fibres (usually polyester fibres also for hot cement), whose task is to stop the powder particles entering the atmosphere. The air permeability is regulated by the BIA's tests in accordance with DIN 53887. Usually the standard filtering elements (used in this sector) do not exceed the permeability of 600 m³/m²/h.

△ The SKYFILTER filtering material consists of larger polyester fibres than the standard ones, the network itself has a larger mesh. This difference gives an air permeability (in accordance with DIN 53887 rule) of 3.400 m³/m²/h, which is 6 times higher than the air permeability of the standard filtering elements. The filtering effect takes place through a film made up of bigger particles that also stop smaller particles. Its advantages are:

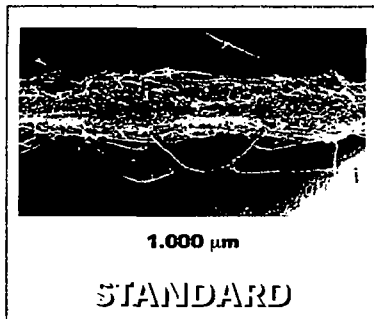
△ Thanks to the larger fibre dimensions we have a very durable filtering element with a longer operational life time.

△ With equal filtering surface we have a bigger air passage and as a result a smaller flow resistance (less pressure build up). In short, a filter with SKYFILTER filtering material is twice as effective as a filter made up with standard filtering element. This only refers to the cement and to all those powders that have the same particle size range. SKYFILTER filtering material can not be used with powder mixtures with high submicron powder percentage.

△ Thanks to its special structure with larger meshes the SKYFILTER filter cartridge needs less cleaning pressure (from 3 to 4 bar instead of 5-6 bars generally used) and even the pause time increases by 50%. If we suppose that for the cleaning of a standard element filter 100 Ni of compressed air is needed, for the cleaning of the SKYFILTER filtering material only 42 Ni of compressed air is required.



Comparison of two BONDED filter media to be used for cement powder filtration
Vergleich von zwei filtrierenden Mitteln aus Vlies für die Zementfiltration
Comparaison de deux moyens de filtration en TISSU NON TISSE pour la filtration de ciment
Comparación de dos medios filtrantes que no son de tejido para la filtración de cemento en polvo
Comparazione tra due media filtranti TNT per filtrazione polveri in cemento



Standard pressure BONDED cartridge media

Low air permeability: < 600 m³/m²h
 Filtration Speed: < 1 m/min'
 High flow resistance: > 1.000 Pa (100 mm H₂O)
 Utilization time of the filter media:
 < 10.000 working hours

- Increase in cleaning cycles
- High consumption of compressed air
- High structural stress (ΔP)
- High working costs

Herkömmliches punktverschweißtes Vlies

Niedrige Luftdurchlässigkeit: < 600 m³/m²h
 Filtriergeschwindigkeit: < 1 m/min'
 Hohes Energiegefälle: > 1.000 Pa (100 mm H₂O)
 Lebensdauer des filtrierenden Mittels:
 < 10.000 Betriebsstunden

- Zunahme der Reinigungsperioden
- Hoher Verbrauch von Druckluft
- Hohe Strukturbeanspruchung (ΔP)
- Hohe Betriebskosten

Tissu non tissé traditionnel à soudage par points

Basse perméabilité à l'air: < 600 m³/m²h
 Vitesse de filtration: < 1 m/min'
 Perte de charge élevée: > 1.000 Pa (100 mm H₂O)
 Durée du moyen de filtration: < 10.000 heures de travail

- Accroissement des cycles de nettoyage
- Consommation élevée d'air comprimé
- Elevé stress de la structure (ΔP)
- Elevés coûts d'exploitation

Tejido convencional soldado por puntos

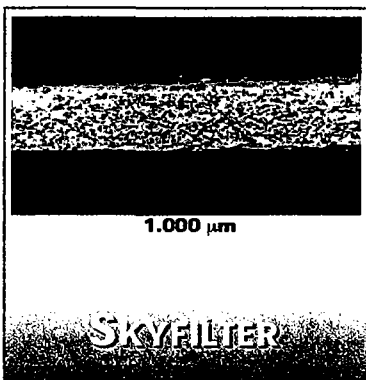
Baja permeabilidad del aire: < 600 m³/m²h
 Velocidad de filtración: < 1 m/min'
 Elevada pérdida de carga: > 1.000 Pa (100 mm H₂O)
 Duración del medio filtrante: < 10.000 horas operativas

- Aumento de los ciclos de limpieza
- Elevado consumo de aire comprimido
- Elevado estrés estructural (ΔP)
- Elevados costos de explotación

TNT tradizionale saldato a punti

Bassa Permeabilità: < 600 m³/m²h
 Velocità di filtrazione: < 1 m/min'
 Elevate perdite di carico: > 1.000 Pa (100 mm H₂O)
 Durata: < 10.000 ore operative

- Incremento dei cicli di pulizia
- Elevato consumo di Aria Compressa
- Elevato stress strutturale (ΔP)
- Elevati costi di gestione



Heat BONDED filter media

used for the manufacturing of the SKYFILTER

Filtering capacity: 3.400 m³/m²h
 Filtration Speed: > 1 m/min'
 Low flow resistance: < 700 Pa (70 mmH₂O)
 Utilization time of the filter media:
 > 30.000 working hours

- Reduction of the cleaning cycles
- Saving of compressed air
- Low structural stress (ΔP)
- Saving of the working costs

Thermisch verfestigtes Vlies

das für die Herstellung der SKYFILTER benutzt wird

Filterungsleistung: 3.400 m³/m²h
 Filterungsgeschwindigkeit: > 1 m/min'
 Niedriges Energiegefälle: < 700 Pa (70 mmH₂O)
 Lebensdauer des filtrierenden Mittels:
 > 30.000 Betriebsstunden

- Herabsetzung der Reinigungsperioden
- Einsparung von Druckluft
- Niedrige Strukturbeanspruchung (ΔP)
- Einsparung Betriebskosten

Tissu non tissé avec fibres collées thermiquement

utilisé pour la construction des cartouches SKYFILTER

Capacité de filtration: 3.400 m³/m²h
 Vitesse de filtration: > 1 m/min'
 Basse perte de charge: < 700 Pa (70 mmH₂O)
 Durée du moyen de filtration: > 30.000 heures de travail

- Réduction des cycles de nettoyage
- Economie d'air comprimé
- Bas stress de la structure (ΔP)
- Economie des coûts d'exploitation

Tejido con unión térmica

utilizado para la producción de los cartuchos SKYFILTER

Capacidad de filtración: 3.400 m³/m²h
 Velocidad de filtración: > 1 m/min'
 Baja pérdida de carga: < 700 Pa (70 mmH₂O)
 Duración del medio filtrante: > 30.000 horas operativas

- Reducción de los ciclos de limpieza
- Ahorro de aire comprimido
- Bajo estrés estructural (ΔP)
- Ahorro de los costos de explotación

TNT Termolegato

utilizzato per la costruzione dello SKYFILTER

Capacità di filtrazione: 3.400 m³/m²h
 Velocità di filtrazione: > 1 m/min'
 Basse perdite di carico: < 700 Pa (70 mmH₂O)
 Durata: > 30.000 ore operative

- Riduzione dei cicli di pulizia
- Risparmio di Aria Compressa
- Basso stress strutturale (ΔP)
- Risparmio sui costi di gestione

PRODUCT PRESENTATION
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1) Data determined by our supplier of heat bonded filter media in comparison with the average of some of the more widespread standard pressure bonded cartridge.
 2) Von unserem Lieferant von thermisch verfestigtem Vlies bestimmte Angaben im Vergleich mit dem Mittelwert einiger von den verbreitetsten herkömmlichen punktverschweißten Vlies.
 3) Données déterminées par notre fournisseur de tissu non tissé avec fibres collées thermiquement en comparaison avec le moyenne des quelques des plus connus tissu non tissé traditionnel à soudage par points.
 4) Datos determinados por nuestro proveedor de tejido con unión térmica en comparación con la media de algunos de los más difundidos tejidos convencionales soldado por puntos.
 5) Dati determinati dal nostro fornitore di TNT (Tessuto Non Tessuto) termolegato in confronto alla media di alcuni dei più diffusi TNT tradizionali saldati a punti.



GB

Pneumatic load system for powder cement silo

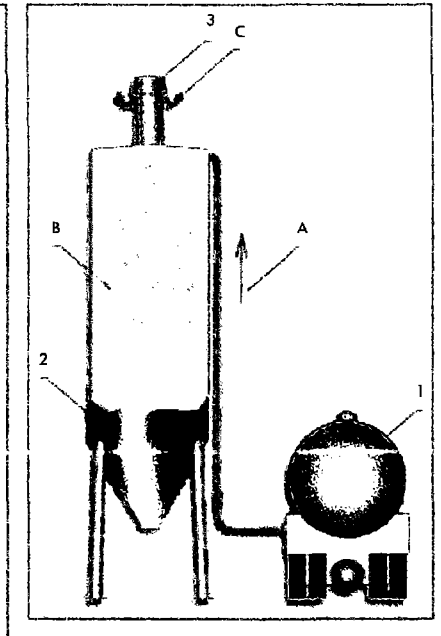
(The drawing is schematic and it only represents the below-mentioned parts).

- 1 Tank truck for pneumatic load
- 2 Cement stock silo
- 3 Dust collector filter

A Air and cement powder mixture pumped with a pressure range varying from 1 to 2 bars (equivalent to 10.000+20.000 mm H₂O, equivalent to 10.000+20.000 daPa), and a delivery range varying from 500 to 2.000 Nm³/h.

B The air and cement powder mixture enters the silo and it disperses. Through a downwards rotation flow the biggest and heavier particles come down while the air drives the thinner particles upwards.

C The air comes out through the filter while the powder particles are kept by the SKYFILTER cartridges. The pressure within the silo is determined by the air volume let into the silo [Nm³/1'], by the pump of the tank truck and by the filter characteristics that must offer a low flow resistance.



D

System der pneumatischen Befüllung eines Silos mit Zement

(Schematische Abbildung, nur mit der Darstellung der unten genannten Teile).

- 1 Tankwagen für die pneumatische Befüllung
- 2 Silo für Zementlagerung
- 3 Entstaubungsfilter

A Gemisch von Luft und Zement mit hohem Staubanteil bei einem Förderdruck von 1 bis 2 bar (was mit folgenden Werten übereinstimmt: 10.000 bis 20.000 mm H₂O und 10.000 bis 20.000 daPa) und einer Menge von 500 bis 2000 Nm³/h.

B Das Gemisch von Luft und Zement strömt ins Silo ein und dehnt sich aus.

Durch eine nach unten gewandte Wirbelströmung fallen die größeren und schwereren Teilchen nach unten, während die Luft mit dem Staub nach oben steigt.

C Die Luft strömt durch den Filter hinaus, während die Staubteilchen durch die SKYFILTER Patronen zurückgehalten werden. Der Druck innerhalb des Silos wird durch die Menge der Luft, die man ins Silo [Nm³/1'] eingeblasen hat, die Tankwagenpumpe und die Eigenschaften des Filters,

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F

Système de remplissage pneumatique d'un silo avec du ciment en vrac

(Le dessin est schématique et représente seulement les parties indiquées ci-dessous).

- 1 Dépotage pneumatique vers le silo
- 2 Silo de stockage ciment
- 3 Filtre de dépoussiérage

A Le mélange d'air et de ciment poussé par une pression de 1 à 2 bars (équivalent à 10.000+20.000 mm H₂O, équivalent à 10.000+20.000 daPa) avec une quantité d'air de 500 à 2.000 Nm³/h.

B Le mélange d'air et de ciment rentre dans le silo et se répand sous forme d'un flux tournant vers le bas. Les particules les plus lourdes descendent pendant que l'air entraîne les particules les plus légères vers le haut.

C L'air passe à travers le filtre, alors que les poussières sont retenues par les cartouches SKYFILTER. La pression dans le silo est déterminée par le volume d'air introduit dans le silo [Nm³/1'] par le compresseur du camion citerne et par la perte de charge du filtre.

E

Sistema de carga neumática de un silo con cemento en polvo

(La representación es esquemática y representa sólo las partes mencionadas)

- 1 Autotanque/camión cisterna para carga neumática.
- 2 Silo para almacenamiento del cemento.
- 3 Filtro despolvador.

A Mezcla de aire y cemento en polvo bombeada a la presión de 1 a 2 bar (equivalente a 10.000 + 20.000 mmH₂O, equivalente a 10.000 + 20.000 daPa) y una carga en un rango comprendido entre 500 y 2000 Nm³/h.

B La mezcla de aire y cemento en polvo entra y se expande en el silo. Por medio de un flujo de mezcla con un sentido de rotación hacia abajo las partes más grandes y pesadas bajan mientras el aire arrastra las partículas más pequeñas hacia arriba.

C El aire sale por medio del filtro mientras los cartuchos SKYFILTER retienen las partículas de polvo. La presión en el interior del filtro es determinada por el volumen de aire que se ha introducido en el silo [Nm³/1'] por la bomba del autotanque/camión cisterna y por las características del filtro que debe oponer una baja pérdida de carga.

I

Sistema carico pneumatico di un silo con cemento in polvere

(La rappresentazione è schematica e raffigura solo le parti citate).

- 1 Autocisternato per carico pneumatico
- 2 Silo stoccaggio cemento
- 3 Filtro depolveratore

A Miscela d'aria e polvere di cemento, pompata alla pressione compresa fra 1+2 bar (pari a 10.000+20.000 mm H₂O, pari a 10.000+20.000 daPa), portata compresa fra 500+2.000 Nm³/h.

B La miscela aria e polvere entra nel silo espandendosi con un flusso in rotazione verso il basso, le parti più grandi e pesanti scendono, l'aria trascina le particelle più fini verso l'alto.

C L'aria esce tramite il filtro, mentre le particelle di polvere vengono trattenute dalle cartucce SKYFILTER. La pressione all'interno del silo viene determinata dal volume d'aria immessa nel silo [Nm³/1'], dalla pompa dell'autocisternato e dalle caratteristiche del filtro che deve opporre una bassa perdita di carico.



Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □(813) 752-5014, Fax (813) 752-2475

January 4, 2010 Via FedEx overnight delivery

FDEP
3800 COMMONWEALTH BOULEVARD, MS-77
Tallahassee, Florida
32399
Phone: (850) 921-9586

Re: Air General Permit Re-Registration for "Concrete Batching Plant"
Combining Existing Permit Nos. 0571263-002-AG and 0571263-003-AG into One AGP
Facility Location: Commercial Concrete Products, Inc.
2705 Sammonds Road, Plant City, FL 33563

Ladies and Gentlemen:

On behalf of Commercial Concrete Products, Inc., Southern Environmental Sciences, Inc. (SES) is pleased to submit the enclosed re-registration form with attached Control Device Information for the above referenced existing, previously permitted facility with five (5) cement silos. Also enclosed is the \$100.00 fee check.

If you have any questions concerning the permit application please contact me at office phone (813) 752-5014 or email at: lrobinson@sesfla.com.

Sincerely,

SOUTHERN ENVIRONMENTAL
SCIENCES, INC.



Lynn Robinson, P.E.
Permitting Manager

Encl: CBP AGP Re-Registration Form w/Attachment \$100.00 fee check

Cc: Mark H. Baker, Vice President, Commercial Concrete Products, Inc.
mhbaker@commercialconcreteproducts.com

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