

Vent-Axia®

STANDARD RANGE

Fitting, wiring and cleaning instructions for window and roof models

Instructions de montage, de branchement et d'entretien pour les modèles fenêtre et toiture

Montage-, Verdrahtungs- und Reinigungsanleitungen für Fenster- und Dachmodelle

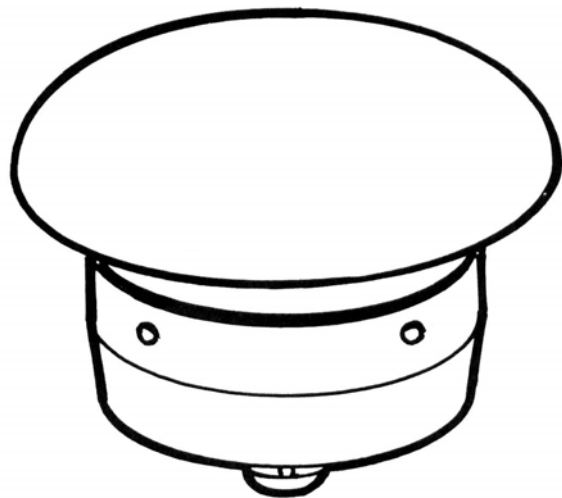
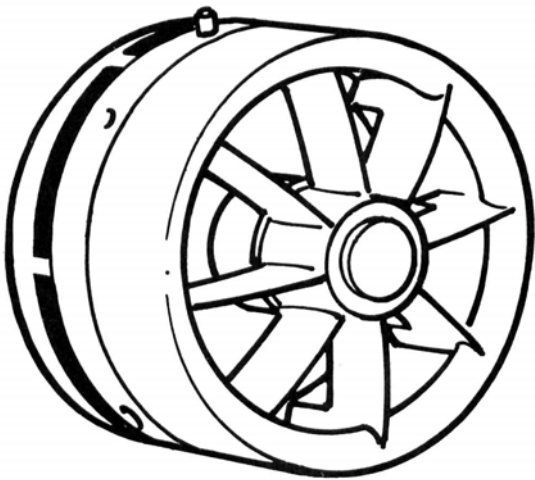
Istruzioni per l'installazione, l'allacciamento elettrico e la manutenzione dei modelli a finestra e a tetto

Installatie- en onderhoudsvoorschriften voor raam- en dakmodellen

Montering, el-tilslutning og vedligeholdelsesvejledning for vindues- og tagventilatorer

Instruções de montagem, instalação eléctrica e limpeza para os modelos de janela e tecto

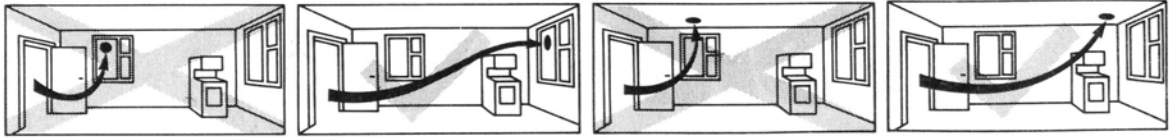
Instrucciones de instalación y mantenimiento de los modelos de ventana y de tejado



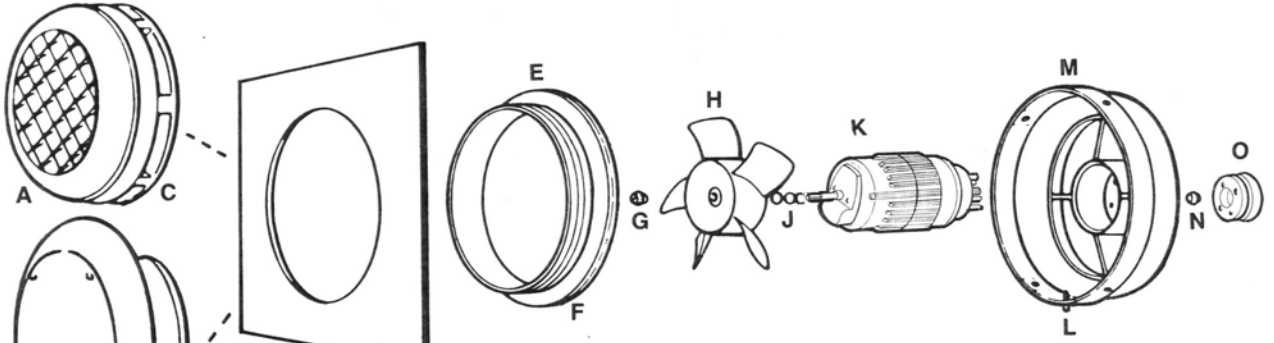
Important note to installer PLEASE LEAVE THIS LEAFLET WITH YOUR CUSTOMER
Note importante aux installateurs REMETTRE CE DOCUMENT A VOTRE CLIENT
Wichtig für den Installateur! BITTE ÜBERGEBEN SIE DIESE DRUCKSCHRIFT IHREM KUNDEN!
Nota importante per l'installatore QUESTO VOLANTINO DEVE VENIRE CONSEGNATO AL CLIENTE
Belangrijk voor de installateur GEEF DIT AAN UW KLANT A.U.B.
Vigtig anmærkning til installatøren: DE BEDES EFTERLADE DENNE BROCHURE-HOS DERES KUNDE
Aviso importante para o Técnico Montador: ESTE FOLHETO É PARA ENTREGAR AO CLIENTE
Nota importante para el instalador ESTE PROSPECTO DEBE ENTREGARSE AL CLIENTE

CE

A1



A5i



A5ii

A HOOD RING AND SEAL ASSEMBLY
ENSEMBLE CAPOT/GRILLE
KAPPE (BESTEHT AUS BEFESTIGUNGS-
RING, HAUBE, GITTER)
COMPLESSIVO CUFFIA E GRIGLIA

B COWL
COUVERCLE
DACHAUBE LUFTRING
CUFFIA
STORMKAP MET DEFLECTOR EN RING
TAGHÆTTE
CASOUILHO
CAZOLETA

C RUBBER SEAL
JOINT CAOUTCHOUC
GUMMIRING
TENUTA DI GOMMA
RUBBERRING (PLAT)
GUMMIPAKNING
JUNTA DE BORRACHA
OBTURADOR DE GOMA

D GLASS OR ROOF PLATE
VITRE OU PLAQUE DE TOITURE
GLAS-ODER DACHPLATTE
VETRO O PIASTRA DEL SOFFITTO
RUIT OF DAKPLAAT
RUDE ELLER TAGPLADE
VIDRO OU PLACA DE TECTO
CRISTAL O PLACA DEL TECHO

E SHROUD
BAGUE FILETEE
SCHRAUBRING
ANELLO ESTERNO
AL VENTILATORE
BEVESTIGINGSRING
SPÆNDERING
ANEL DE ENCAIXE
ANILLO EXTERNO

F RUBBER GASKET
GARNITURE CAOUTCHOUC
GUMMINOCKENRING
GUARNIZIONE DI GOMMA
RUBBERRING (PROFIEL)
GUMMIPAKNING
ANEL DE BORRACHA
JUNTA DE GOMA

G CONE NUT
ECROU CONIQUE
KEGELMUTTER
DADO CONICO
WAAIERMOER
KONISK MØTRIK
PORCA CONICA
TUERCA CONICA

H IMPELLER
HELICE
FLÜGEL
VENTILATORE
WAAIER
VINGE
HELICE
HELICE

J WASHERS
RONDELLES
UNTERLEGSCHHEIBEN
RONDELLE
TUSSENRINGETJES
UNDERLAGSSKIVER
ANILHAS
ARANDELHAS

K MOTOR
MOTEUR
MOTOR
MOTORINO
MOTOR
MOTOR
MOTOR

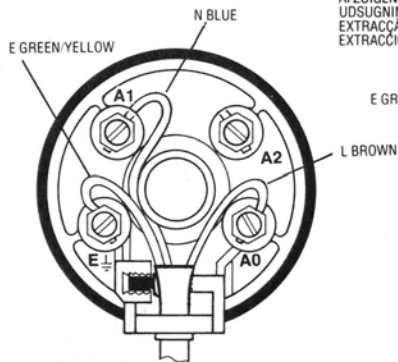
L CAPTIVE LOCKING BOLT
VIS CAPTIVE DE BLOCAGE
BEFESTIGUNGSBOLZEN
VITE DI BLOCCAGGIO
BORGBOUTJE
SIKRINGSPAL
PERNE
PERNO ESCLAVO DE BLOQUEO

M HOUSING
CARTER
GEHAUSE
SCATOLA
HUIS
INDVENDIG HUS
CARCAÇA
ALOJAMIENTO

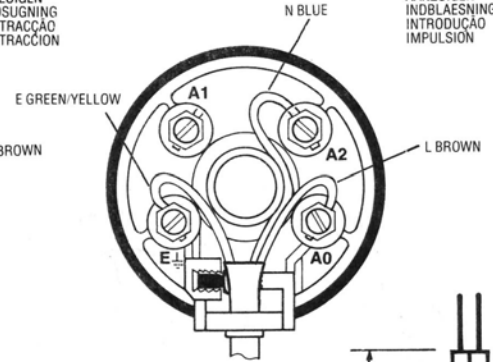
N CONE NUT
ECROU CONIQUE
KEGELMUTTER
DADO CONICO
MOTORBEVESTIGINGSMOER
KONISK MØTRIK
PORCA CONICA
TUERCA CONICA

O CONNECTOR SOCKET
DOUILLE DE CONTACT
STECKER
PRESA DI COLLEGAMENTO
AANSLUITDOOS
STIKDÅSE
FICHA FEMEA
HEMBRA DE ENCHUFE

A6 (a) EXTRACT ONLY

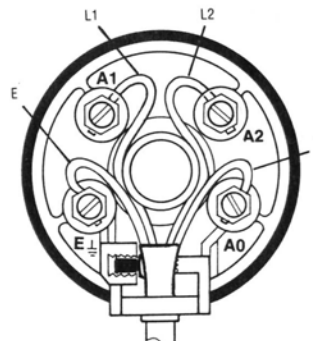


A6 (a) INTAKE ONLY

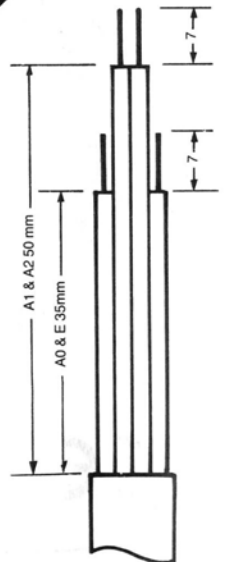


ASPIRATION
EINBLASEN
ASPIRARE
AANZUIGEN
INDBLÆSNING
INTRODUÇÃO
IMPULSION

**A6 (b) WITH RANGEMASTER OR
MULTI-UNIT CONTROLLERS**



AVEC RÉGULATEUR
MIT REGELSCHALTER
CON REGOLATORE
MET SCHAKELAAR
MED REGULATOR
COM CONTROLADOR
CON CONTROL



READ INSTRUCTIONS IN CONJUNCTION WITH THE ILLUSTRATIONS

IMPORTANT

1. THE FAN MUST BE SITED AND CONNECTED IN ACCORDANCE WITH CURRENT IEE REGULATIONS(UK) OR THE APPROPRIATE STANDARDS IN YOUR COUNTRY.

2. THIS APPLIANCE IS NOT SUITABLE FOR INSTALLATION IN A SHOWER CUBICLE OR ENCLOSURE AND MUST BE SITED AWAY FROM ANY SOURCE OF WATER SPRAY, AND MUST BE OUT OF REACH OF A PERSON USING A FIXED BATH OR SHOWER.

3. SITE AWAY FROM DIRECT SOURCES OF HEAT IN EXCESS OF 50°C.

4. WHEN THE FAN IS INSTALLED IN A ROOM CONTAINING A FUEL BURNING APPLIANCE, THE INSTALLER MUST ENSURE THAT AIR REPLACEMENT IS ADEQUATE FOR BOTH THE FAN AND THE FUEL BURNING APPLIANCE. IF THE FAN CAN BE USED TO SUPPLY AIR INTO THE ROOM THE INSTALLER MUST ENSURE THAT THE FAN INTAKE IS LOCATED AT LEAST 600mm AWAY FROM ANY FLUE OUTLET.

5. WIRING SHOULD BE VIA A SWITCHED SPUR WITH A 3 AMP FUSE. (UK ONLY)

6. DOUBLE POLE SWITCH OR PLUG AND SOCKET SHOULD BE LOCATED OUTSIDE THE ROOM CONTAINING A FIXED BATH OR SHOWER.

7. THIS APPLIANCE MUST BE EARTHED.

8. READ THESE INSTRUCTIONS FULLY BEFORE COMMENCING INSTALLATION.

A1 WHERE TO FIT YOUR VENT-AXIA

Note: We always recommend that, in the interests of safety, a qualified electrical contractor should install your Vent-Axia equipment.

Always remember to fit your Vent-Axia directly above, if possible, any local source of smells or steam. A short circuit of the airflow should always be avoided by siting the unit as far away as possible from the main source of air replacement.

Protective Grilles

If your Standard Flange fan is to be mounted less than 2.5 metres from the floor or ground level and is accessible, protective grilles must be fitted to the fan unit.

Internal and external grilles are available from Vent-Axia Ltd., for all fan sizes.

For details of protective grilles, see below:

Internal Grille		External Grille	
Protective Grille	Shutter Frame*	Protective Grille	
Window/Roof/ Panel/Wall models		Window models only	
Size	Ref.No.	Ref.No.	Ref.No.
6	563106	430146	563406
7	563107	430147	563407
9	563109	430148	563409
12	563112	430149	563412

* Only required for fans without shutter.

A2 WEIGHT OF GLASS REQUIRED

Units can be fitted to all types of glass up to 10mm thick for sizes 6, 7 & 9 and 13mm thick for size 12. Extended Shroud model can be fitted into glass up to 29mm thick.

Minimum glass weights are:

Guide to Thickness of Glass – Vertical Panes		
Type of Area	Normal Conditions	Exposed country, Coastal, Tower
Pane Size	Glass Thickness (mm)	
m ²		
0.5	3	4
1.0	4	5
1.5	5	6
2.0	6	10

For more exposed situations and for installations in non-vertical glass consult your nearest Vent-Axia office.

A3 SIZE OF HOLE REQUIRED

The following table gives dimensions of the hole required for each unit:

Size 6	– 184mm dia.
Size 7	– 222mm dia.
Size 9	– 260mm dia.
Size 12	– 337mm dia.

Where the unit is fitted in a sloping or horizontal surface the cowl should be bedded in a suitable sealing compound.

Note: When units are fitted in opening lights these should be made secure. For sash windows a stop should be fixed on each side of the upper sash in positions below the lowest part of the unit.

A4 HOW TO REMOVE THE VENT-AXIA FROM ITS CARTON

(a) Disengage the captive locking bolt by unscrewing the knurled portion which projects from the side of the housing.

(b) Turn the unit slightly in an anti-clockwise direction until the concealed bayonet lugs are disengaged. Withdraw the unit, which contains the motor and impeller.

(c) Remove the hood and shroud from the carton by withdrawing the cardboard support linings, using the handholes provided.

(d) Unscrew the shroud from the hood assembly by turning the shroud in an anti-clockwise direction.

A5i HOW TO ASSEMBLE THE VENT-AXIA WINDOW MODEL

(a) From inside, place the shroud through the hole in the glass, ensuring that the rubber gasket is located properly on the shroud and that the lip of the gasket has passed through the hole in the glass all round its circumference. Hold the shroud in position against the glass with the arrow 1 at the bottom when cable entry is required from below the housing, or the arrow 1 to the right hand side, left hand side or top when cable entry is required from these positions.

(b) From outside, screw the hood assembly on to the shroud by turning it in a clockwise direction ensuring that the rubber seal remains properly seated and that the shroud is held securely in position against the glass.

(c) From inside, release the three catches which retain the grille by turning them to one side. Then adjust the grille in the hood so that the word 'BASE' can be read from inside and is positioned at the bottom (this ensures proper weather protection). Then return the catches to their former position to lock the grille in place. If a shutter is required this should now be fitted into the housing, instructions being contained in the shutter carton.

(d) Position the housing so that when it is turned slightly in a clockwise direction the locking bolt is located against arrow 1 on the shroud. Then replace the housing which contains the motor and impeller (and the shutter if fitted), and turn it in a clockwise direction until it meets the stop.

(e) Screw up the captive locking bolt until the knurled portion is in contact with the housing and ensure that it is fully engaged by checking that the housing is securely bolted to the shroud.

A5ii HOW TO ASSEMBLE THE VENT-AXIA ROOF MODEL

(a) From inside, place the shroud through the hole, ensuring that the rubber gasket is located properly on the shroud and that the lip of the gasket has passed through the hole all round its circumference. Hold the shroud in position with the arrow 1 where the cable entry is required.

(b) From outside, screw the cowl on to the shroud by turning it in a clockwise direction, ensuring that the rubber seal remains properly seated and that the shroud is held securely in position. If a shutter is required this should now be fitted into the housing, instructions being contained in the shutter carton.

• Where the unit is fitted in a plate or material less than 3mm (1/8") thick, the cowl should be bedded in a suitable sealing compound.

(c) Position the housing so that when it is turned slightly in a clockwise direction the locking bolt is located against arrow 1 on the shroud. Then replace the housing which contains the motor, and impeller (and the shutter if fitted), and turn it in a clockwise direction until it meets the stop.

(d) Screw up the captive locking bolt until the knurled portion is in contact with the housing and ensure that it is fully engaged by checking that the housing is securely bolted to the shroud.

A6 VENT-AXIA WIRING INSTRUCTIONS

WARNING THIS EQUIPMENT MUST BE EARTHED

First ensure that the unit is installed so that the cable entry on the housing is in the required position (see assembly instructions) and check that the equipment supplied is for the correct voltage. (See carton).

(a) Without Controller

Where speed control is not required, the unit may be connected to any suitable socket outlet, or, if permanently wired, a double-pole switch, having a contact separation of not less than 3mm, must be used.

- Loosen the connector retaining screw and pull off the connector. Unscrew the retaining ring at the rear of the connector using a coin, screwdriver or other suitable tool and lift off the cap. Feed the supply cable through the grommet and strip wires to length (see diag. A6).
- Connect the LINE conductor from the supply to terminal AO.
- Connect EARTH to terminal E \oplus which is bright plated for easy identification.

4. If the Vent-Axia is required for:

EXTRACT, connect NEUTRAL to A1
INTAKE, connect NEUTRAL to A2.

5. Place the cable grip into the appropriate groove and press the supply cable fully down into the cable grip. Ensure cable is firmly restrained – adjust cable grip if necessary.

6. Replace the cap and tighten down the retaining ring. Plug the connector onto the motor terminals and tighten the retaining screw (DO NOT OVERTIGHTEN).

7. Press the cable into the retaining clip so that it is held neatly at the outer circumference of the housing.

(b) With Vent-Axia Controller

See instructions for electrical connection in controller carton.

Note:- 4-core cable is required.

A7 POWER CONSUMPTION

S	6	7	9	12
Watts	32	34	53	84

FOR THE USER

CLEANING

NOTE:- UNDER NO CIRCUMSTANCES SHOULD THE MOTOR COME INTO CONTACT WITH WATER.

Apart from removing odours, your Vent-Axia fan also extracts airborne impurities such as dirt, dust and grease. These gradually build up and detract from the efficiency and appearance of your fan. Vent-Axia fans are designed for easy cleaning and maintenance. Therefore, to ensure peak performance of your fan it should be regularly cleaned.

IMPORTANT: SWITCH OFF AND ISOLATE UNIT FROM MAINS SUPPLY.

B1 Switch off/isolate the fan. Loosen the connector socket retaining screw and pull off the connector. Unscrew the captive locking bolt and turn the unit slightly anti-clockwise to release.

B2 Release the three catches to remove the grille.

B3 Unscrew both cone nuts and remove the impeller and motor.

N.B. Note order of washers for re-assembly.

B4 If a shutter is fitted - unscrew the two blanks and two sleeves, slide out the retainers, and lift out the shutter.

B5 Wash all the plastic parts (BUT NOT THE MOTOR) in warm water with soap or detergent.

B6 If a shutter is fitted - replace the cords as shown.

Automatic Shutter: Replace the shutter in the housing, ensuring that the word 'BASE' is visible and is at the bottom when fitted in the window. In sloping roofs, ensure that the word 'BASE' is visible and is at the bottom when fitted. In horizontal roofs position the word 'BASE' next to the captive locking bolt.

B7 Replace the motor, washers and impeller in the housing and screw up the two cone nuts. Replace the complete unit (positioned so that when it is turned clockwise the captive locking bolt is located against the arrow 1 on the shroud) and turn it in a clockwise direction until it meets the stop. Screw up the captive locking bolt so that it is fully engaged and the knurled portion screwed up tightly.

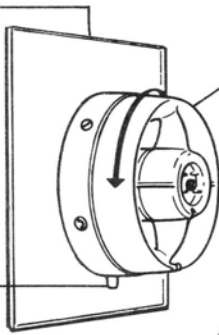
B8 Plug the connector onto the motor terminals and tighten the retaining screw (DO NOT OVERTIGHTEN).

C DIMENSIONS

B1

GLASS OR FIXING PLATE
VITRE OU PLAQUE DE FIXATION
GLAS-oder BEFESTIGUNGSPLATTE
VETRO O LAMIERA DI SOSTEGNO
RUIT OF BEVESTIGINGSPLAAT
RUDE ELLER MONTAGEPLADE
VIDRO OU PLACA DE FIXAÇÃO
CRISTAL O PLACA DE FIJACION

CAPTIVE LOCKING BOLT
VIS CAPTIVE DE BLOCAGE
BEFESTIGUNGSBOLZEN
VITE DI BLOCCAGGIO
BORGBOUTJE
SIKRINGSPAL
FICHA FEMEA
PERINO ESCLAVO DE BLOQUEO

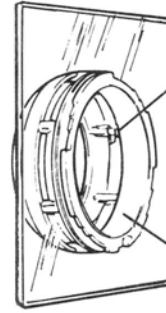


UNIT
AERATEUR
GERAT
COMPLESSIVO
VENTILATOR
VENTILATOR
EXAUSTOR
APARATO

CONNECTOR SOCKET
DOUILLE DE CONTACT
STECKER
PRESA DI COLLEGAMENTO
AANSLUITDOOS
STIKDASE
PERNE
HEMBRA DE ENCHUFE

B2

CATCH
CLIQUET
RIEGEL
FERMO
KLEM
RISTHOLDER
PERNE
RETN



GRILLE
GRILLE
GITTER
GRIGLIA
ROOSTER
RIST
GRELHA
REJILLA DE PASO AJUSTABLE

SHROUD
CAPOT
SCHRAUBRING
ANELLO ESTERNO
BEVESTIGINGSRING
SPÆNDERING
ANEL DE ENCAIXE
COBERTURA

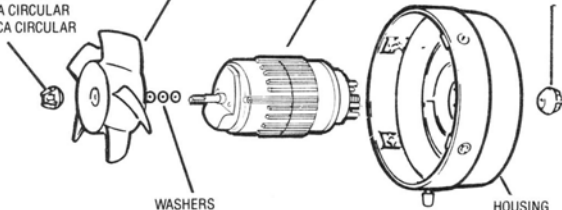
B3

CONE NUT
ECROU CONIQUE
KEGELMUTTER
DADO CONICO
WAAIERMOER
VINGEMØTRIK
PORCA CIRCULAR
TUERCA CIRCULAR

IMPELLER
HELICE
FLÜGEL
VENTILATORE
WAAIER
VINGE
HELICE
HELICE

MOTOR
MOTEUR
MOTOR
MOTORINO
MOTOR
MOTOR
MOTOR
MOTOR

CONE NUT
ECROU CONIQUE
KEGELMUTTER
DADO CONICO
MOTORBEVESTIGINGSMOER
KONISK MØTRIK
PORCA CONICA
TUERCA CONICA

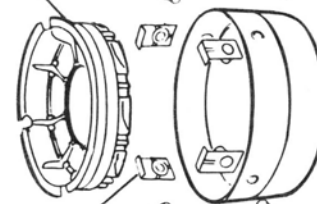


WASHERS
RONDELLES
UNTERLEGSCHIBEN
RONDELLE
CONUSSET
UNDRLAGSSKIVER
ANILHAS
ARANDELAS

HOUSING
CARTER
GEHÄUSE
CARCASSA
HUIS
INDVENDIGT HUS
CARÇAÇA
ALOJAMIENTO

B4

SHUTTER
OBTURATEUR
VERSCHLUB
PERSIANA
AFSLUITER
LUKKER
ANEL DIAFRAGMA
PERSIANA DE PASO AJUSTABLE



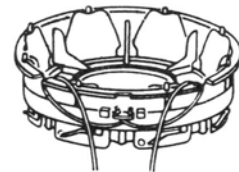
SLEEVE
VIS CREUSE
GESCHLOSSENE
SCHRAUBEN
MANICOTTO
HOLLE SCHROEF
SKRUE
CALCE
MANGUITO

RETAINER
CALES
GEGENHALTER
FERMO
BEVESTIGINGSKLEM
KOBLINGSHOLDER
PARAFUSO DE CABEÇA
OCA
RETN

BLANK
FENDUE CREUSE
OFFENE SCHRAUBEN
TAPPO FILETATO
GEVINDBØSNING
PARAFUSO LISO
TAPON

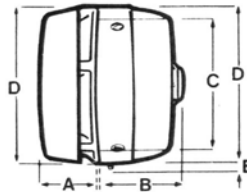
B6

AUTOMATIC SHUTTER
OBTURATEUR AUTOMATIQUE
AUTOM. VERSCHLUB
PERSIANA AUTOMATICA
AUTOMATISCHE AFSLUITER
AUTOMATISK LUKKER
DIAFRAGMA AUTOMÁTICO
PERSIANA DE AJUSTE AUTOMATICO



C

S	6	7	9	12
A mm	83	83	92	105
B mm	133	140	159	194
C mm	184	222	260	337
D mm	216	254	295	381
E mm	28	28	28	28



S	6	7	9	12
A mm	95	108	121	146
B mm	133	140	159	194
C mm	184	222	260	337
D mm	216	254	295	381
E mm	21	21	21	21
F mm	267	330	394	508

