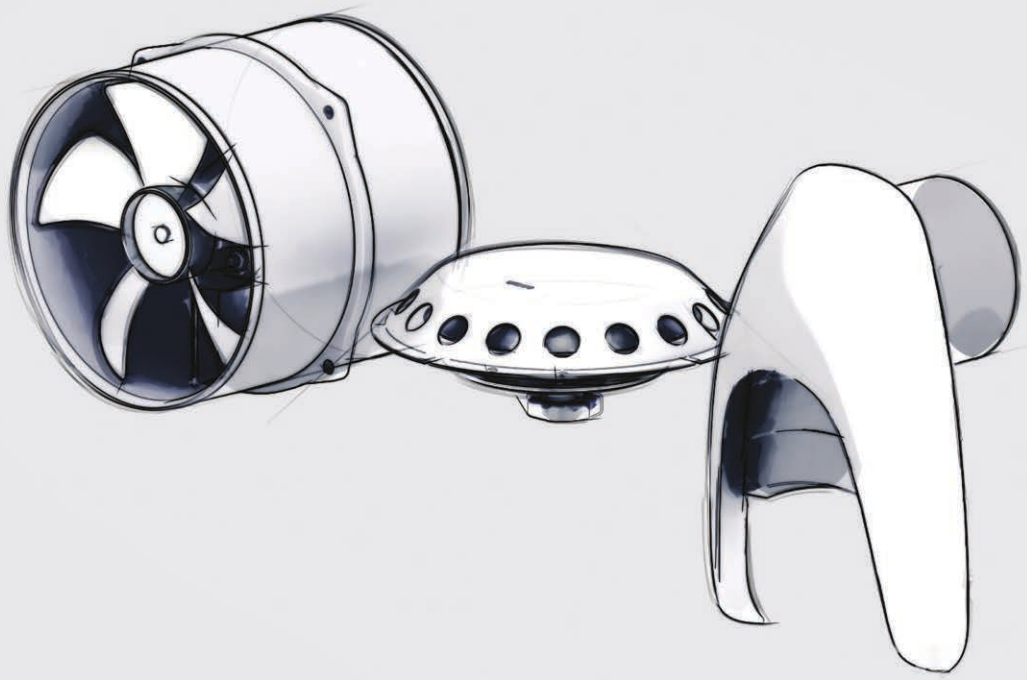
Ventilation



Overview

Deck ventilators see page 334 - 335

UFO

UFOPCB

ATHOS1

PORTOSB

Shell ventilators see page 336

TYPHOON

SCIROCCO

Cowl ventilators see page 337 - 338

SAMOEN

CHINOOKS

YOG316R

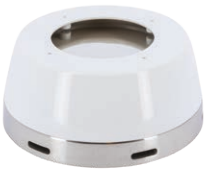
TOM316WR

TRAMON

TRAMONS

DON316R

Accessories see page 338 - 339



BOX

BOXS

YBOX

Louvred air suction vents see page 340 - 341

ASV

SSVL

ASVREC

Extraction ventilators see page 342 - 344

TWINLINE

VENT76A

VENT102

VENTKIT

VENT178B

Ventilation

Sufficient ventilation on your boat is very important if you have enclosed areas. It can help prevent mold and bad odours and can save lives by taking carbon monoxide or petrol fumes out of the boat. When it comes down to making the best choice of a ventilation system, VETUS has a wide range, even for the harshest conditions, both extremely safe and stylish as well. We at VETUS understand that ventilation isn't just a hole in your boat. When done correctly it can be a breath of fresh air!

There are two types of ventilation systems

1. Passive ventilators

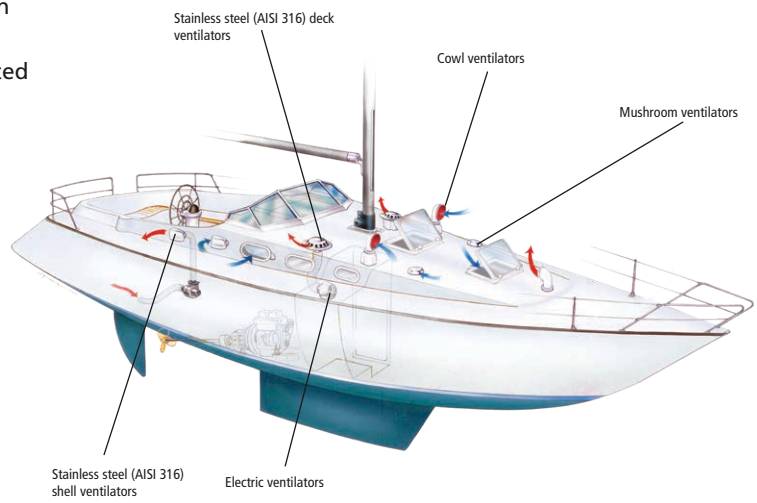
Consists of vents, cowls and other permanent openings in the boat, designed to let air enter or exit using wind power or the boat's motion to move the air. Primarily used for living spaces.

2. Electric (extraction) ventilators

Specifically designed to clear fumes from closed compartments. VETUS power extraction ventilators are ignition protected to prevent sparks and are built to resist overheating and corrosion.

Why choose VETUS ventilation

- One stop shop for a complete range to ensure a healthy on board climate
- We put safety first! Offering only certified ignition protected electric fans
- VETUS has ventilation products for any compartment, from engine room to sleeping quarters, from mushroom ventilators to extraction ventilators for the engine room
- VETUS UFO ventilators provide permanent boat ventilation, day and night, rain and splash proof, but also fully closeable for the hardest conditions
- VETUS cowl ventilators are available in different designs, sizes and materials; the choice is yours!



Passive ventilators

Small cabins aboard boats must be ventilated adequately. It is very important when the temperature drops to keep the air humidity inside and outside as similar as possible to prevent condensation and its consequences, mold.

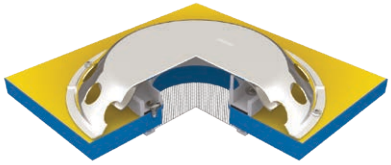
Open ventilators type UFO, UFOTRANS and UFOPCB

Reliable, easy to maintain and good looking

These stainless steel (AISI 316) models with high-gloss polished shell cannot be closed thus ensuring permanent ventilation. They are rain and splash proof and can be used in combination with our electric extraction ventilators (see page 342).

Characteristics

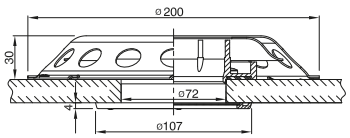
- Free flow area 24 cm^2
- TRANS (UFOTR) version is translucent
- Supplied with mosquito screen and interior finishing ring
- UFOPCB version is black powder coated and mat finished



UFO

UFOTR

UFOPCB



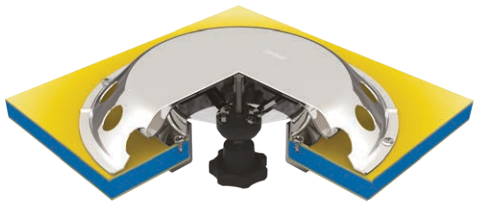
Passive ventilators

Closeable deck ventilator type UFO2

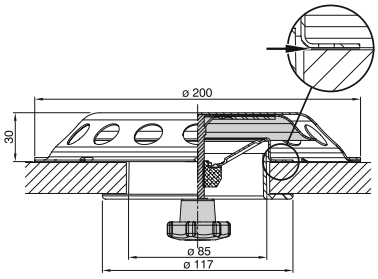
Low profile deck ventilator with integral mushroom ventilator

This deck ventilator can be closed and made absolutely watertight. When opened the UFO2 ensures constant ventilation and still remains rain and splash proof. Its cover is made of high-gloss polished stainless steel (AISI 316) as is the internal mushroom ventilator. ISO 12216, Area AII (for information regarding the location area, see page 306).

Characteristics
- Free flow area 20 cm²
- Comes with an integral mosquito screen
- A synthetic finishing ring is supplied as standard



UFO2



Type	Description	Free flow area (cm²)
UFO	Deck ventilator (stainless steel AISI 316)	24
UFOTR	Deck ventilator (stainless steel AISI 316)	24
UFOPCB	Deck ventilator (stainless steel AISI 316 black powder coated)	24
UFO2	Closeable deck ventilator (stainless steel AISI 316)	20

Mushroom ventilators type DARTAGN1, ATHOS1 and PORTOS1

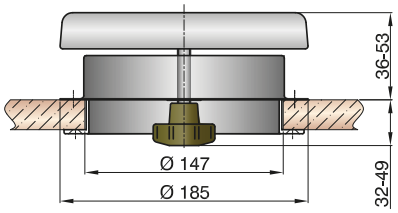
High polished stainless steel (AISI 316) ventilators

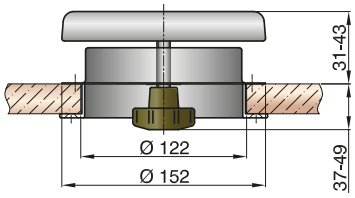
These mushroom ventilators can be opened from the outside or from the inside using an integral knob. They include a mosquito screen and counter flange, both made of synthetic material. ISO 12216, Area AII (for information regarding the location area, see page 306).

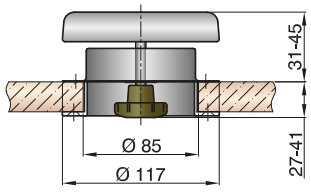
DARTAGN1 **DARTAGNB**

ATHOS1 **ATHOSB**

PORTOS1 **PORTOSB**







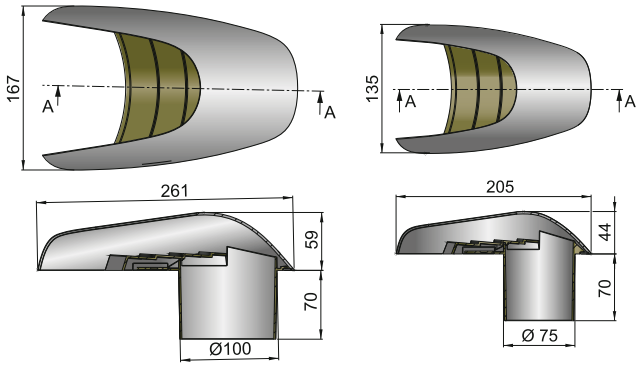
Type	Description	Free flow area (cm²)
DARTAGN1	Mushroom ventilator (stainless steel AISI 316)	83
DARTAGNB	Mushroom ventilator (stainless steel AISI 316 black powder coated)	83
ATHOS1	Mushroom ventilator (stainless steel AISI 316)	52
ATHOSB	Mushroom ventilator (stainless steel AISI 316 black powder coated)	52
PORTOS1	Mushroom ventilator (stainless steel AISI 316)	21
PORTOSB	Mushroom ventilator (stainless steel AISI 316 black powder coated)	21

Passive ventilators

Shell ventilator type TYPHOON

A redefined and updated 'traditional' shell ventilator

The outer cover of this shell ventilator is made of high-gloss polished stainless steel (AISI 316) and all other parts are of synthetic materials. When installed, no screws are visible. This intake or outlet ventilator is available in two sizes and suitable for horizontal or vertical use.



TYP75

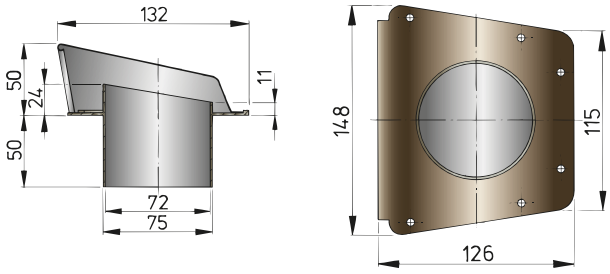
TYP100

Type	Description	Free flow area (cm²)	Hose connection Ø (mm)
TYP75	Shell ventilator	30	75
TYP100	Shell ventilator	41	100

Ventilator type SCIROCCO

The ideal solution for ventilation openings to the engine room

This stainless steel (AISI 316) intake or outlet ventilator can be screwed directly on to hull or superstructure. A synthetic base plate with water guard and hose connection is standard supply. This type can be installed horizontally or vertically.



SCIROCCO

Type	Description	Free flow area (cm²)	Hose connection Ø (mm)
SCIROCCO	Shell ventilator	38,5	75

Passive ventilators

Silicone cowl ventilators

Guaranteed to withstand the test of time!

These cowl ventilators are made of silicone. Silicone rubber is a very flexible synthetic material with a service temperature range between -100°C and +200°C. It is resistant to UV light and does not discolour, so it will always looks like it's brand new. The cowl ventilators are removable. The ring and deck flange are made of a rigid synthetic material. The internal colour is red (RAL 3020). A mosquito screen and a stainless steel (AISI 316) cover plate for closing off the cowl ventilator can be supplied as an option. Available in three sizes with a vertical opening and one with a horizontal opening.

Models with the suffix 'S' feature a synthetic ring that is securely fastened to the deck using fasteners.

Optionally, a RING set can be supplied. These models can be upgraded by replacing their synthetic deck flange and/or ring with a stainless steel (AISI 316) version. Different sizes are available.

SAMOENS

CHINOOKS

LIBECS

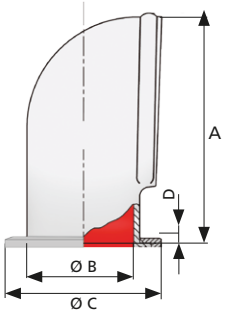
SAMOEN

CHINOOK

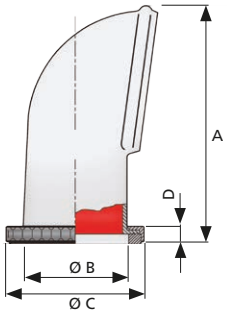
LIBEC

TRAMONS

TRAMON



Fixed



Removable and rotatable

Type	Replaces	Dimensions (mm) A	B	C	D	Free flow area (cm²)	Material	Ring* stainless steel (AISI 316)	Mosquito screen and cover plate* stainless steel (AISI 316)
TRAMON	DONALD2	115	75	125	25	44,2	Silicone	RING75	SET75
TRAMONS	DONALDS	100	75	127	11	44,2	Silicone	RING75	SET75
LIBEC	JERRY2	205	75	125	25	44,2	Silicone	RING75	SET75
LIBECS	JERRYS	192	75	127	11	44,2	Silicone	RING75	SET75
CHINOOK	TOM2	244	100	152	25	78,6	Silicone	RING100	SET100
CHINOOKS	TOMS	230	100	152	11	78,6	Silicone	RING100	SET100
SAMOEN	YOGI2	295	125	176	25	122,8	Silicone	RING125	SET125
SAMOENS	YOGIS	282	125	179	11	122,8	Silicone	RING125	SET125

* Optional parts see page 338

Passive ventilators

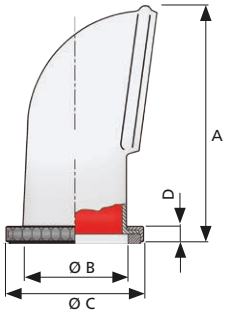
Stainless steel (AISI 316) cowl ventilators

Stylish appearance

Both the cowls and rings are made of cast stainless steel (AISI 316). The cowls rotate and are removable and the clamping ring can be tightened by hand. A threaded ring nut and deck ring are supplied as standard. A mosquito screen and a stainless steel (AISI 316) cover plate for closing off the cowl ventilator are optional. Available in three sizes with a vertical opening and one with a horizontal opening and with red or white interior.

YOG316R
TOM316R
JER316R

YOG316WR
TOM316WR
JER316WR



Removable and rotatable

DON316R

DON316WR

	Dimensions (mm)					
Type	**A**	**B**	**C**	**D**	**Free flow area (cm²)**	**Material**
DON316R	111	75	123	22	44,2	Stainless steel (AISI 316)
DON316WR	111	75	123	22	44,2	Stainless steel (AISI 316)
JER316R	205	75	123	22	44,2	Stainless steel (AISI 316)
JER316WR	205	75	123	22	44,2	Stainless steel (AISI 316)
TOM316R	250	100	153	22	78,6	Stainless steel (AISI 316)
TOM316WR	250	100	153	22	78,6	Stainless steel (AISI 316)
YOG316R	296	125	181	22	122,8	Stainless steel (AISI 316)
YOG316WR	296	125	181	22	122,8	Stainless steel (AISI 316)

Accessories for cowl ventilators

Ring and nut type RING

Complete set

This set consists of a stainless steel (AISI 316) ring nut, a male deck ring and fastening key. A ring nut set is available for each size of synthetic cowl ventilator and can be retrofitted to existing cowls.

Type	Description
RING75	Ring and nut, AISI 316, for cowl ventilator TRAMON / LIBEC
RING100	Ring and nut, AISI 316, for cowl ventilator CHINOOK
RING125	Ring and nut, AISI 316, for cowl ventilator SAMOEN

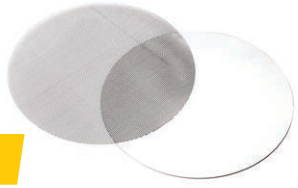
RING...

Cover plate and mosquito screen type SET

This set contains the cover plate and mosquito screen for all cowl ventilators.

Type	Description
SET75	Cover plate and mosquito screen, AISI 316, for all cowl ventilators Ø 75 mm
SET100	Cover plate and mosquito screen, AISI 316, for all cowl ventilators Ø 100 mm
SET125	Cover plate and mosquito screen, AISI 316, for all cowl ventilators Ø 125 mm

SET...

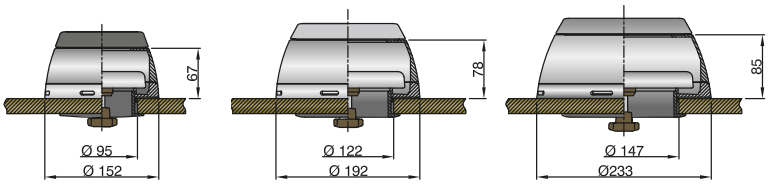


Accessories for cowl ventilators

Dorade box type BOX and BOXS

Prevents water from entering the ventilator

This box drains off any water entering the interior of the boat from the cowl ventilator and can be closed off entirely by means of the incorporated stainless steel (AISI 316) mushroom ventilator. Available in synthetic material or stainless steel (AISI 316), maximum deck thickness 25 mm. Choose the same size BOX as the diameter (B) of the cowl ventilator.
CE marking: Area AII (for information regarding the location area, see page 306).



BOX

Type	Ø (mm)	Max. deck thickness (mm)	Material
BOX75	75	25	Synthetic
BOX100	100	25	Synthetic
BOX125	125	25	Synthetic
BOXS75	75	25	Stainless steel (AISI 316)
BOXS100	100	25	Stainless steel (AISI 316)

BOXS

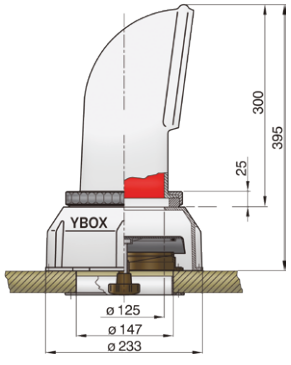
Dorade box type DJBOX, TBOX and YBOX

Synthetic boxes

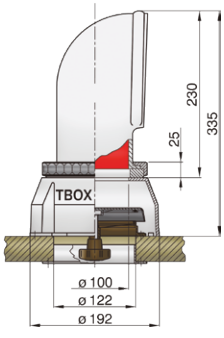
This synthetic box drains off any water entering the ventilator and can be closed off entirely by means of the incorporated stainless steel (AISI 316) mushroom ventilator. The screw down deck ring supplied with the cowl ventilator can be easily fitted to the dorade box using the supplied nuts and bolts.

Note: These boxes are not suitable for cowl ventilator type S.

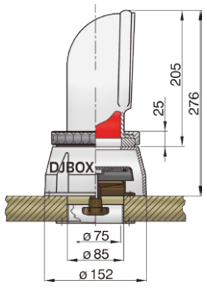
Type	Description
YBOX	Dorade box for YOGI / SAMOEN, including mushroom ventilator
TBOX	Dorade box for TOM / CHINOOK, including mushroom ventilator
DJBOX	Dorade box for DONALD / JERRY / TRAMON / LIBEC, including mushroom ventilator

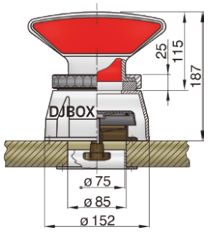


YBOX



TBOX





DJBOX

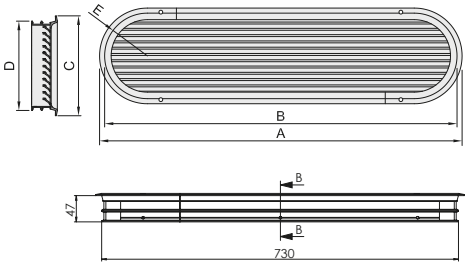
Passive ventilators

Louvred air suction vents

In addition to combustion air, an engine also requires sufficient ventilation air to dissipate the residual heat. The required volume of ventilation air is about the same as the combustion air needed which is approximately 6.1 m³ per kW (4.5 m³ per hp) per hour based on a maximum air velocity of 3 m/sec. The design of these VETUS air suction vents is based on these principles. The model numbers (see the tables below) relate to the engine horsepower for which they are suitable. So for example, a 40HP engine could use 1 x type 40, or 2 x type 20 vents.

Type ASV

This type has a polished anodised aluminium frame with grilles of anodised aluminium.

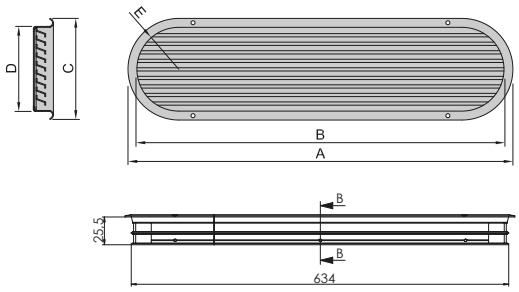


ASV

Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	E = Cutout radius (mm)	Free flow area (cm²)
ASV020A	300	280	117	97	R 48,5	83
ASV025A	350	330	117	97	R 48,5	100
ASV030A	360	340	130	110	R 55	122
ASV040A	450	430	130	110	R 55	159
ASV050A	490	470	146	126	R 63	202
ASV060A	570	550	146	126	R 63	241
ASV070A	590	570	159	139	R 69,5	283
ASV080A	660	640	159	139	R 69,5	321
ASV090A	670	650	172	152	R 76	363
ASV100A	730	710	172	152	R 76	400
ASV125A	750	730	198	178	R 89	503
ASV150A	890	870	198	178	R 89	603

Type SSVL

The frame and grilles of this type are made of high gloss polished stainless steel (AISI 316).



SSVL

Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	E = Cutout radius (mm)	Free flow area (cm²)
SSVL030	360	340	159	139	R 69,5	158
SSVL070	590	570	159	139	R 69,5	283
SSVL080	660	640	159	139	R 69,5	321
SSVL090	670	650	172	152	R 76	363
SSVL100	730	710	172	152	R 76	400
SSVL125	750	730	198	178	R 89	503
SSVL150	890	870	198	178	R 89	608

Dorade boxes

Type DBOX for louvered air suction vents

All standard air suction vents can be supplied with a synthetic dorade box as an option (except type ASVREC).

DBOX

Type	Description
DBOX020	Dorade box for ASV020A
DBOX025	Dorade box for ASV025A
DBOX030	Dorade box for ASV030A
DBOX040	Dorade box for ASV040A
DBOX050	Dorade box for ASV050A
DBOX060	Dorade box for ASV060A

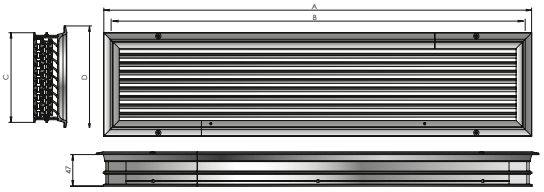
Type	Description
DBOX070	Dorade box for ASV070A and SSVL070
DBOX080	Dorade box for ASV080A and SSVL080
DBOX090	Dorade box for ASV090A and SSVL090
DBOX100	Dorade box for ASV100A and SSVL100
DBOX125	Dorade box for ASV125A and SSVL125
DBOX150	Dorade box for ASV150A and SSVL150

Louvred air suction vents

Type ASVREC

Rectangular louvred air suction vent

The frames of this type are made of polished anodised aluminium and the grilles of anodised aluminium.



ASVREC

Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	Free flow area (cm²)
ASVREC20	300	280	117	97	83
ASVREC30	360	340	130	110	125
ASVREC40	450	430	130	110	162
ASVREC50	490	470	146	126	205
ASVREC60	570	550	146	126	245
ASVREC70	590	570	159	139	285
ASVREC80	660	640	159	139	325

Note: VETUS can supply louvred air vents in other shapes and sizes to special order.

Round air suction vents

Type ERV

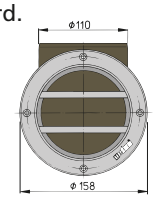
Air suction vent with rotating connector

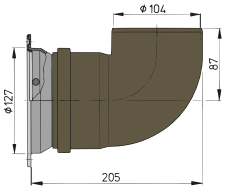
Type ERV is made of stainless steel (AISI 316) and has a synthetic rotating connector which functions as a watertight dorade box. The free flow area is 66 cm². A matching hose must be ordered separately.
Rule of thumb: Use one ERV110A for every 16 horsepower (hp) of engine output.

This vent is suitable for up to 16 hp of engine power. For a 60 hp engine you would need four of these air suction vents of which two should be fitted to port and two to starboard.

ERV110A

Type	Description
ERV110A	Round air suction vent type 110, with stainless steel (AISI 316) grille and synthetic housing





Electric ventilators

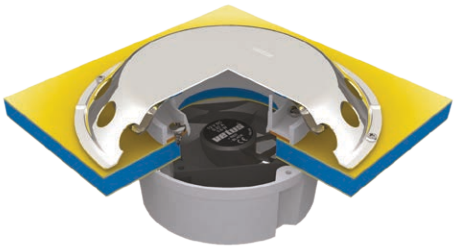
Type FAN

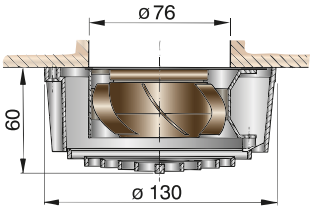
Extremely low energy consumption and noise level

This barely audible electric ventilator is specified for saloons, cabins, galleys and toilets and is also ideal for heat extraction near a refrigerator. It can be installed in both ceilings and bulkheads. It can be used in combination with VETUS deck ventilators UFO, UFOTR and UFOPCB (see page 334). With its long-life motor it can operate for at least 50.000 hours. VETUS recommends that every area should have an air-exchange rate of three to four times per hour.

FAN12

FAN24





Specifications
- Available in 12 or 24 VDC
- Capacity 72 m³/hour (42 cfm)
- Provided with a 2-speed switch

Type	Description	Voltage (DC)
FAN12	Electric ventilator	12 V - 0,15A
FAN24	Electric ventilator	24 V - 0,073A

Electric extraction ventilators

Type TWINLINE

The perfect heat extractor

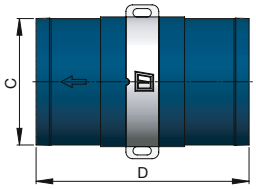
The purpose of these ignition protected (ISO 8846) extraction ventilators is to extract the heat from the engine room when the engine is not running or, when a petrol/gasoline engine is installed, to extract any possible petrol/gasoline fumes prior to starting the engine(s).

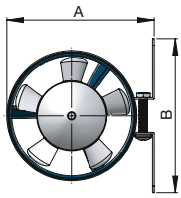
Specifications
- Complies with ISO 9097 Marine Standard
- Hose may be connected to Scirocco or Typhoon Shell ventilators

Note: VETUS does NOT recommend using extraction ventilators to provide air to the main engine(s)!

TWINLINEA **TWINLINEB**

TWINLINEC **TWINLINED**





Type	A (mm)	B (mm)	C (mm)	D (mm)	Capacity (m³/min)	I.D.hose Ø (mm)	Voltage (DC) - Amp*
TWINLINEA	88,5	92,5	76	128	5	76	12 - 2,8 A max.
TWINLINEB	116	119	101,6	180	7	102	12 - 8,0 A max.
TWINLINEC	88,5	92,5	76	128	5	76	24 - 1,6 A max.
TWINLINED	116	119	101,6	180	7	102	24 - 5,0 A max.

* When using hose 10 mtr.

Electric extraction ventilators

Type VENT76A and VENT102

Ideal for galley, toilet and engine room

These extraction ventilators are ignition protected (ISO 8846) and complies with the ISO 9097 Marine Standard. They include a mounting bracket.

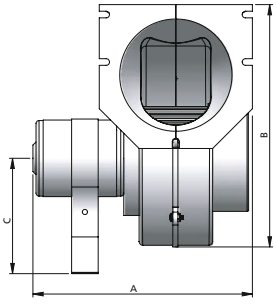
Note: VETUS does NOT recommend using extraction ventilators to provide air to the main engine(s)!

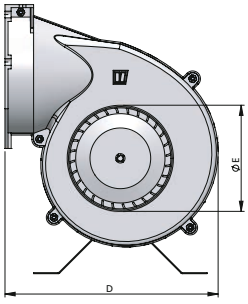
VENT7612A

VENT7624A

VENT10212

VENT10224



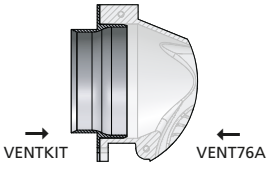


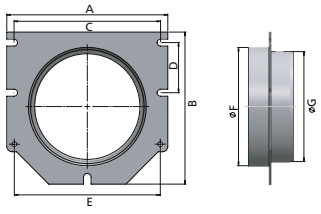
Type	Dimensions (mm)				Voltage (DC)	I.D.hose Ø (mm) (E)	Capacity per minute
	A	B	C	D			
VENT7612A	186	168	88	157	12 - 8 A	76	4 m³
VENT7624A	186	168	88	157	24 - 4 A	76	4 m³
VENT10212	215	237	113	209	12 - 9 A	102	8 m³
VENT10224	215	237	113	209	24 - 4,5 A	102	8 m³

Connection flange

Connection flanges for VENT76A and VENT102.

VENTKIT





Type	Dimensions (mm)						
	A	B	C	D	E	I.D.hose Ø (mm) (F)	Ø G
VENTKITA	120	115	106.5	46.5	106	83.3	76
VENTKITB	150	141	136.5	46.5	136	109.7	102

Electric extraction ventilators

Type VENT178B

Suitable for bulkhead mounting and receiving air ducting hose

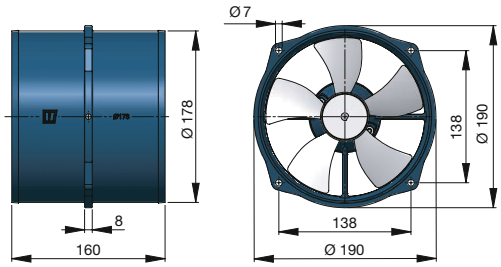
This extraction ventilator with NAVIDURIN®(*) housing is ignition protected (ISO 8846) and complies with the ISO 9097 Marine Standard.

Specifications
- Available in 12 VDC (6 A) or 24 VDC (3 A)
- Capacity 12,2 m³ per minute
- Suitable for receiving Ø 178 mm internal air ducting hose

VENT178B2

VENT178B4

Type	Description	Voltage (DC)	I.D.hose Ø (mm)
VENT178B2	Extraction ventilator	12	178
VENT178B4	Extraction ventilator	24	178



Note: VETUS does NOT recommend using extraction ventilators to provide air to the main engine(s)!

(*) For information regarding NAVIDURIN®, see page 122.

Ventilation hose

Type BLHOSE

For shell and extraction ventilators

Type BLHOSE is made from PVC coated polyester, reinforced with a steel wire. Temperature resistant between -20° and +100°C. Available with internal diameters of 76 or 102 mm.

BLHOSE

Type	Internal (Ø mm)	External (Ø mm)	Weight(kg/m)	Bending radius (mm)	Roll length (m)
BLHOSE310A	76	85	0,2	47	10
BLHOSE410A	102	108	0,2	61	10

Type CCHOSE

Excellent for fluids in air conditioning and central heating systems

Type CCHOSE is made of EPDM rubber with inlay of woven reinforcement fabric. Temperature resistant between +3° and 80°C. Suitable for fluids in closed heating and/or cooling systems.

CCHOSE

Type	Internal (Ø mm)	External (Ø mm)	Weight (kg/m)	Bending radius (mm)	Roll length (m)
CCHOSE16	16	30	0,54	112	20