VENTILATION

Good ventilation on your boat is very important if you have enclosed areas. It can help prevent mildew 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 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 2 types of ventilation systems

1. Natural (passive) ventilation

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.

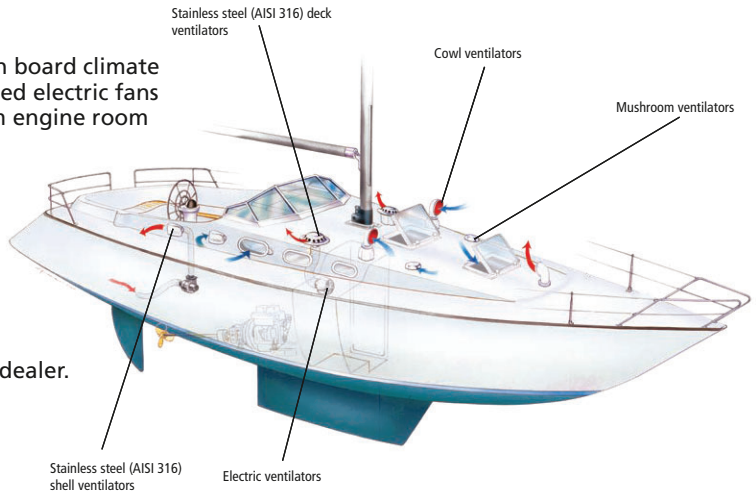
2. Power extraction ventilators

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 closable for the hardest conditions
- VETUS cowl ventilators are available in different designs, sizes and materials; the choice is yours!

For assistance in choosing the proper equipment and defining your ventilation system, please contact your VETUS dealer.



DECK 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, mould and mildew.

Open ventilators type UFO and UFOTRANS

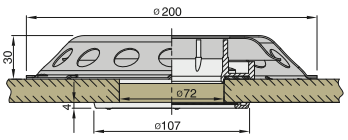
Reliable, easy to maintain and good looking

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 293). For dimensions please see diagram below.

Characteristics
- Free flow area 31,8 cm²
- TRANS (UFOTR) version is translucent
- Supplied with mosquito screen and interior finishing ring

UFO

UFOTR



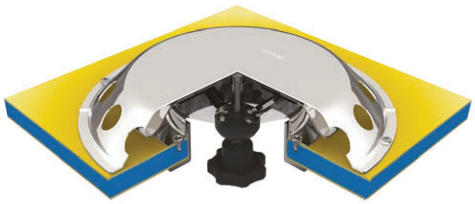
DECK VENTILATORS

Closeable deck ventilator type UFO2

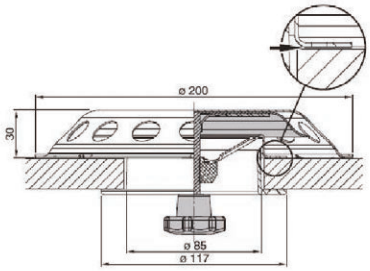
Low profile deck ventilator with integral mushroom ventilator

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. **CE marking: All**

Characteristics
- Free flow area 30 cm²
- Comes with an integral mosquito screen
- A synthetic finishing ring is supplied as standard



UFO2



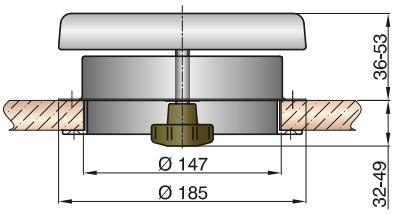
Type	Description	Free flow area cm²
UFO	Deck ventilator (stainless steel AISI 316)	31,8
UFOTR	Deck ventilator (stainless steel AISI 316)	31,8
UFO2	Closable deck ventilator (stainless steel AISI 316)	30

Mushroom ventilators type DARTAGN1, ATHOS1 and PORTOS1

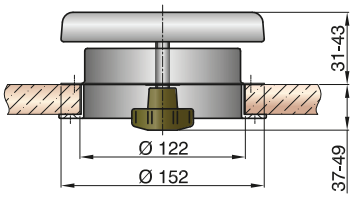
High polished stainless steel (AISI 316) ventilators

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. **CE marking All**

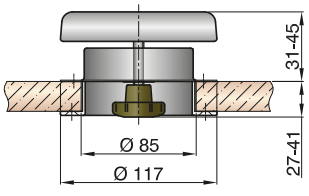
DARTAGN1



ATHOS1



PORTOS1



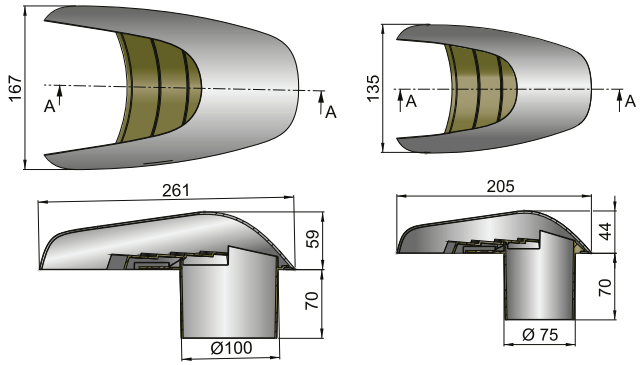
Type	Description	Free flow area cm²
DARTAGN1	Mushroom ventilator	76
ATHOS1	Mushroom ventilator	45
PORTOS1	Mushroom ventilator	30

SHELL VENTILATORS

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 2 sizes and suitable for horizontal or vertical use.



TYP75

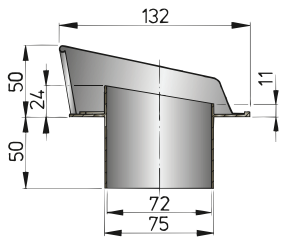
TYP100

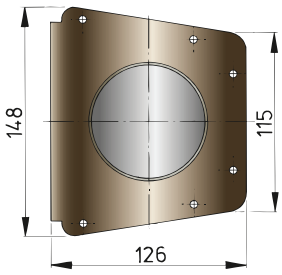
Type	Description	Free flow area cm²	Hose connection Ø
TYP75	Shell ventilator	30	75
TYP100	Shell ventilator	41	100

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 plastic base plate with water guard and hose connection is standard supply. This type can be installed horizontally or vertically.





SCIROCCO

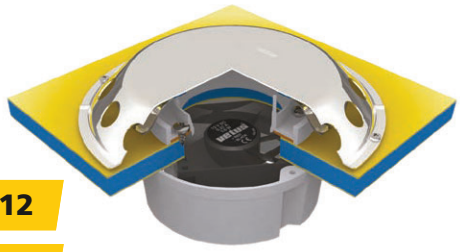
Type	Description	Free flow area cm²	Hose connection Ø
SCIROCCO	Shell ventilator	38,5	76

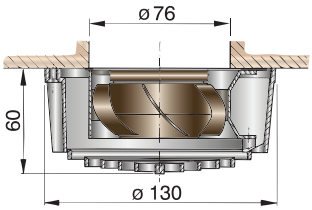
ELECTRIC VENTILATORS

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 and UFOTR (see page 290). 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 3 to 4 times per hour.





FAN12

FAN24

Specifications
- Available in 12 or 24 Volt (consumption 0,19 A or 0,11 A)
- Capacity 72 m³/hour (42 cfm)
- Provided with a 2-speed switch

Type	Description	Volt
FAN12	Electric ventilator	12
FAN24	Electric ventilator	24

EXTRACTION VENTILATORS

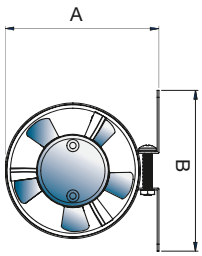
Type TWINLINE

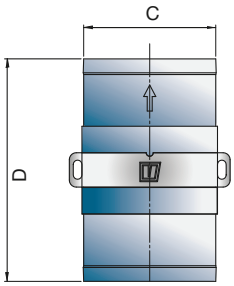
The perfect heat extractor

The purpose of these ignition protected (IP67) 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)	Volt - Amp*
TWINLINEA	88,5	92,5	76	128	5	76	12 V - 2,8 A max.
TWINLINEB	116	119	101,6	180	7	102	12 V - 8,0 A max.
TWINLINEC	88,5	92,5	76	128	5	76	24 V - 1,6 A max.
TWINLINED	116	119	101,6	180	7	102	24 V - 5,0 A max.

* When using hose 10 mtr.

EXTRACTION VENTILATORS

Type VENT76A

Ideal for gallery, toilet and engine room

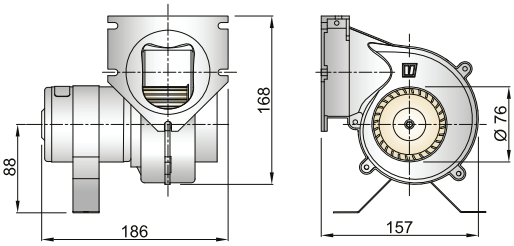
This extraction ventilator with Delrin Impeller is ignition protected (IP67) and complies with the ISO 9097 Marine Standard.
It includes a mounting bracket and connection flange for in-line installation.

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

Specifications
- Available in 12 or 24 Volt (consumption 8 A or 4 A)
- Capacity 4 m³ per minute
- Suitable for Ø 76 mm I.D. hose

VENT7612A

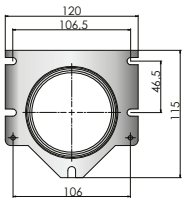
VENT7624A

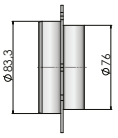


Type	Decription	Volt	I.D.hose Ø (mm)
VENT7612A	Extraction ventilator	12	76
VENT7624A	Extraction ventilator	24	76

Connection flange

Type	Decription
VENTKITA	Spare in-line hose connection flange for VENT76A





VENTKITA

Type VENT178A

Suitable for bulkhead mounting and receiving air ducting hose

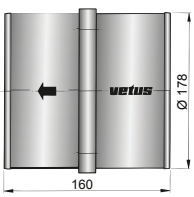
This extraction ventilator is ignition protected (IP67) and complies with the ISO 9097 Marine Standard.

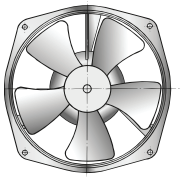
Note
VETUS does NOT recommend using extraction ventilators to provide air to the main engine(s)!

Specifications
- Available in 12 or 24 Volt (consumption 6 A or 3 A)
- Capacity 12,2 m³ at 12 Volt or 12,5 m³ at 24 Volt D.C. per minute
- Suitable for receiving Ø 178 mm internal air ducting hose

VENT17812A

VENT17824A





Type	Decription	Volt	I.D.hose Ø (mm)
VENT17812A	Extraction ventilator	12	178
VENT17824A	Extraction ventilator	24	178

COWL VENTILATORS

Flexible PVC cowl ventilators

Excellent UV resistance

These cowl ventilators are made of Polyvinylchloride and the ring nuts and matching deck flanges are made of hard synthetic. The cowl ventilators are removable. 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 3 sizes with a vertical opening and one with a horizontal opening. **Models with suffix S have a screwed down synthetic ring.**

YOGIS

TOMS

JERRYS

DONALDS

YOGI2

TOM2

JERRY2

DONALD2

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 and can be rotated after loosening the knurled base ring by hand. The ring nuts and mating deck flanges are made of hard plastic and the internal colour is red (RAL3020). A Monel mosquito screen and a stainless steel (AISI 316) cover plate for closing off the cowl ventilator can be supplied as an option.
Available in 3 sizes with a vertical opening and one with a horizontal opening. **Models with suffix S have a screwed down synthetic ring.**

SAMOENS

CHINOOKS

LIBECS

TRAMONS

SAMOEN

CHINOOK

LIBEC

TRAMON

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 3 sizes with a vertical opening and one with a horizontal opening and with red or white interior.

YOG316R

TOM316R

JER316R

DON316R

YOG316WR

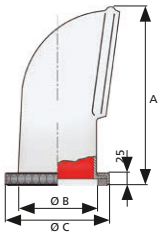
TOM316WR

JER316WR

DON316WR

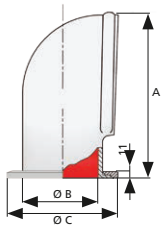
For specifications see next page.

COWL VENTILATORS



Removable and rotatable

Dimensions (mm)				Free flow area (cm²)	Material	Type: Removable and rotatable [1]	Type: Fixed [2]
A	B	C 1)	C 2)				
110	75	125	127	44.2	Silicone	TRAMON	TRAMONS
					PVC	DONALD2	DONALDS
111	75	123		44.2	Stainless steel - Red interior	DON316R	n.a.
					Stainless steel - White interior	DON316WR	n.a.
205	75	125	127	44.2	Silicone	LIBEC	LIBECS
					PVC	JERRY2	JERRYS
205	75	123		44.2	Stainless steel - Red interior	JER316R	n.a.
					Stainless steel - White interior	JER316WR	n.a.



Fixed

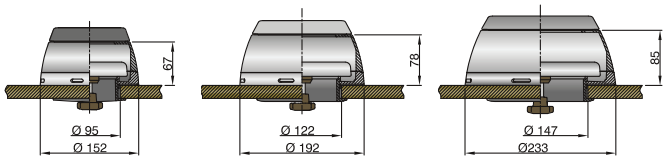
A	B	C 1)	C 2)				
230	100	152	152	78.6	Silicone	CHINOOK	CHINOOKS
					PVC	TOM2	TOMS
230	100	153		78.6	Stainless steel - Red interior	TOM316R	n.a.
					Stainless steel - White interior	TOM316WR	n.a.
300	125	167	179	122.8	Silicone	SAMOEN	SAMOENS
					PVC	YOGI2	YOGIS
300	125	167		122.8	Stainless steel - Red interior	YOG316R	n.a.
					Stainless steel - White interior	YOG316WR	n.a.

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. For thicker decks use adaptor BOXAD. Choose the same size BOX as the diameter (B) of the cowl ventilator. A mosquito screen and a stainless steel (AISI 316) cover plate for closing off the cowl ventilator can be supplied as an option.



Type	Ø (mm)	Max. deck thickness	Material
BOX75	75	25	Synthetic
BOX100	100	25	Synthetic
BOX125	125	25	Synthetic
BOXS75	75	25	Stainless steel (AISI316)
BOXS100	100	25	Stainless steel (AISI316)
BOXS125	125	25	Stainless steel (AISI316)

Bottom

Top

BOX

BOXS

CE marking: All

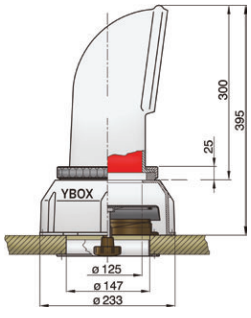
ACCESSORIES FOR COWL VENTILATORS

Dorade box type DJBOX, TBOX and YBOX

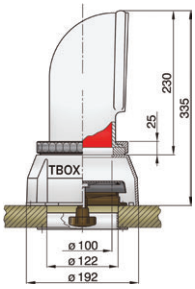
Synthetic boxes

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. A mosquito screen and a stainless steel (AISI 316) cover plate for closing off the cowl ventilator can be supplied as an option.
Note These boxes are not suitable for cowl ventilator type S.

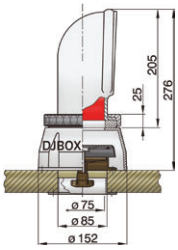
Type	Description
YBOX	Dorado box for YOGI / SAMOEN, including mushroom ventilator
TBOX	Dorado box for TOM / CHINOOK, including mushroom ventilator
DJBOX	Dorado box for DONALD / JERRY / TRAMON / LIBEC, including mushroom ventilator

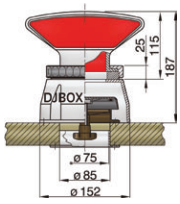


YBOX



TBOX





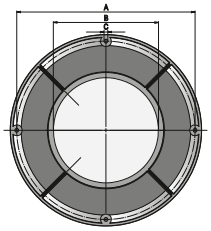
DJBOX

Adaptor to fit dorade box type BOX

For use with thicker decks

The type BOX and BOXS dorade boxes can be mounted invisibly to any deck up to 25 mm thickness. For larger deck thicknesses VETUS offers the BOXAD adapter flange. This flange can be mounted to the dorade box using the counter flange, after which the adapter can be screwed down to the deck.
The adapter flanges are made of high gloss polished stainless steel (AISI 316) to match the stainless steel (AISI 316) cowl ventilators and dorade boxes.

BOXAD



Type	Suitable for	A Ø mm	B Ø mm	C Ø mm	Thickness mm
BOXAD75	BOX75, BOXS75	167	95	5.2	6
BOXAD100	BOX100, BOXS100	202	118.5	5.2	6
BOXAD125	BOX125, BOXS125	245	144.5	5.2	6

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 plastic cowl ventilator and can be retrofitted to existing cowls.

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

RING

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

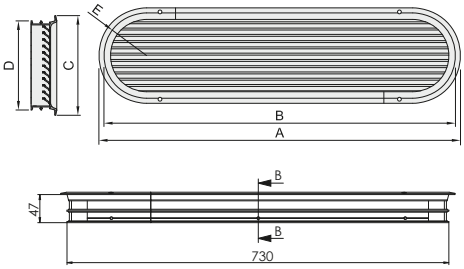
LOUVRED AIR SUCTION VENTS

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 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 naturally anodised aluminium.

ASV



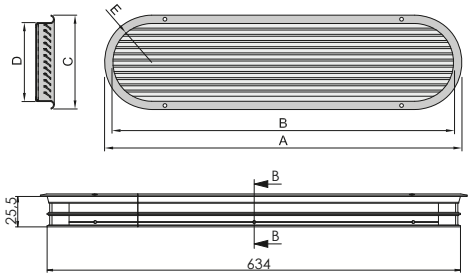
Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	E = Cutout radius (mm)	Free flow area in dm²*
ASV020A	300	280	117	97	R 48,5	0,83
ASV025A	350	330	117	97	R 48,5	1,00
ASV030A	360	340	130	110	R 55	1,22
ASV040A	450	430	130	110	R 55	1,59
ASV050A	490	470	146	126	R 63	2,02
ASV060A	570	550	146	126	R 63	2,41
ASV070A	590	570	159	139	R 69,5	2,83
ASV080A	660	640	159	139	R 69,5	3,21
ASV090A	670	650	172	152	R 76	3,63
ASV100A	730	710	172	152	R 76	4,00
ASV125A	750	730	198	178	R 89	5,03
ASV150A	890	870	198	178	R 89	6,03

* 1 dm² = 100 cm²

Type SSV

Type SSV is made of high gloss stainless steel (AISI 316) and has anodised aluminium louvres.

SSV



Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	E = Cutout radius (mm)	Free flow area in dm²*
SSV070	590	570	159	139	R 69,5	2,83
SSV080	660	640	159	139	R 69,5	3,21
SSV090	670	650	172	152	R 76	3,63
SSV100	730	710	172	152	R 76	4,00
SSV125	750	730	198	178	R 89	5,03
SSV150	890	870	198	178	R 89	6,08

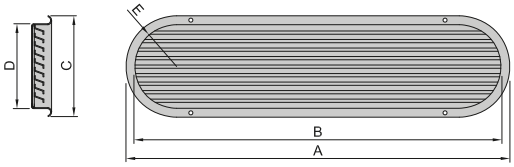
* 1 dm² = 100 cm²

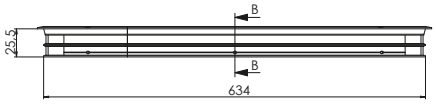
LOUVRED AIR SUCTION VENTS

Type SSVL

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

SSVL





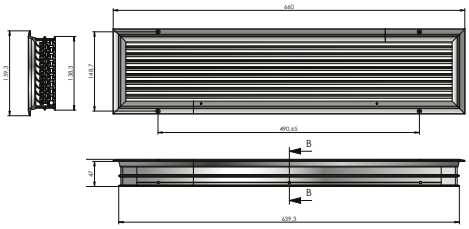
Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	E = Cutout radius (mm)	Free flow area in dm²*
SSVL070	590	570	159	139	R 69,5	2,83
SSVL080	660	640	159	139	R 69,5	3,21
SSVL090	670	650	172	152	R 76	3,63
SSVL100	730	710	172	152	R 76	4,00
SSVL125	750	730	198	178	R 89	5,03
SSVL150	890	870	198	178	R 89	6,08

* 1 dm² = 100 cm²

Type ASVREC

Rectangular louvred air suction vent

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



ASVREC

Type	A (mm)	B = Cutout (mm)	C (mm)	D = Cutout (mm)	Free flow area in dm²*
ASVREC20	300	280	117	97	0,83
ASVREC30	360	340	130	110	1,25
ASVREC40	450	430	130	110	1,62
ASVREC50	490	470	146	126	2,05
ASVREC60	570	550	146	126	2,45
ASVREC70	590	570	159	139	2,85
ASVREC80	660	640	159	139	3,25

* 1 dm² = 100 cm²

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

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).

Type	Specifications
DBOX020	Dorade box for ASV, SSV, SSVL, type 20
DBOX025	Dorade box for ASV, SSV, SSVL, type 25
DBOX030	Dorade box for ASV, SSV, SSVL, type 30
DBOX040	Dorade box for ASV, SSV, SSVL, type 40
DBOX050	Dorade box for ASV, SSV, SSVL, type 50
DBOX060	Dorade box for ASV, SSV, SSVL, type 60

Type	Specifications
DBOX070	Dorade box for ASV, SSV, SSVL, type 70
DBOX080	Dorade box for ASV, SSV, SSVL, type 80
DBOX090	Dorade box for ASV, SSV, SSVL, type 90
DBOX100	Dorade box for ASV, SSV, SSVL, type 100
DBOX125	Dorade box for ASV, SSV, SSVL, type 125
DBOX150	Dorade box for ASV, SSV, SSVL, type 150

DBOX

ROUND AIR SUCTION VENTS

Type ERV

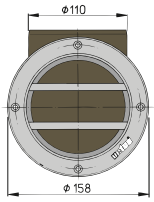
Air suction vent with rotating connector

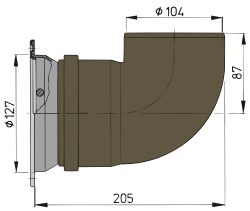
This vent is suitable for up to 16 hp of engine power. For a 60 hp engine you would need 4 of these air suction vents of which 2 should be fitted to port and 2 to starboard.

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 0,66 dm^2.
No matching hose is supplied.

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

ERV110A





ACCESSORIES

Hose for blowers (ventilators)

Suitable for VETUS shell ventilators and extraction ventilators.
For a complete overview of hoses and available sizes see page 404.

BLHOSE