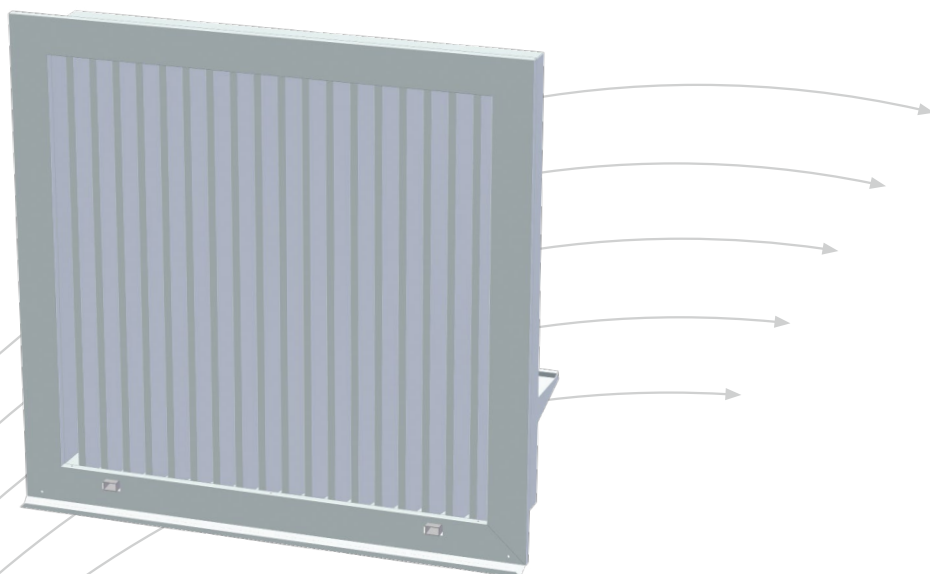


VSR

Waterproof louvre for external wall



- Ideal for adverse weather conditions
- Made with standing lamellae and drainage chamber
- VSR is made of aluminium
- Tested at BSRIA and meets Class A according to ISO EN 13030:2001 for separation of rain

TROX[®] TECHNIK

 **Auranor**

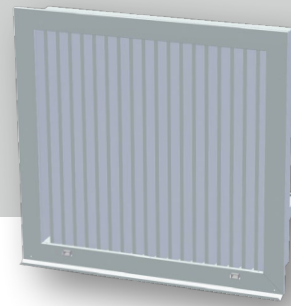
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VSR



APPLICATION

VSR is designed for use as an air inlet unit in areas exposed to adverse weather conditions. Can be installed in external wall or roof unit.

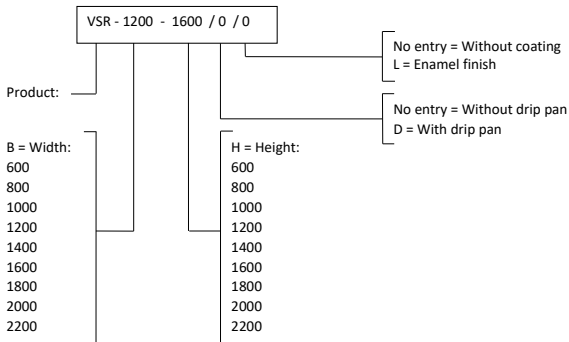
DESIGN

VSR is equipped with vertical blades. The drainage chamber features external drainage, but is available with internal drainage if required. VSR is delivered with the flange unattached.

MATERIALS AND SURFACE COATING

VSR is made of seawater-resistant aluminium. (EN-AW-5052-H34)

ORDER CODE, VSR



Example:
VSR - 1200 - 1600 / D

Explanation:
VSR, 1200 wide and 1600 tall, without coating, with drip pan.

DIMENSIONS AND WEIGHT, VSR

Recommended dimensions: from 600 x 600 to 2200 x 2200.
Module 50 mm. Millimetre adjustment on request.
Weight: approx. 30 kg/m².

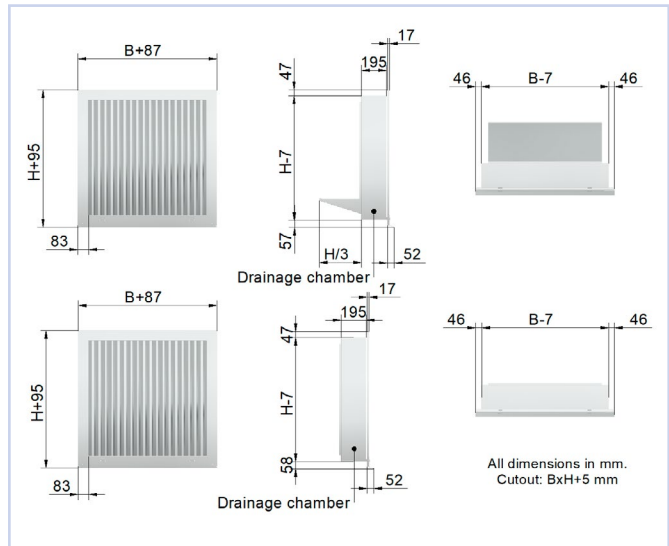
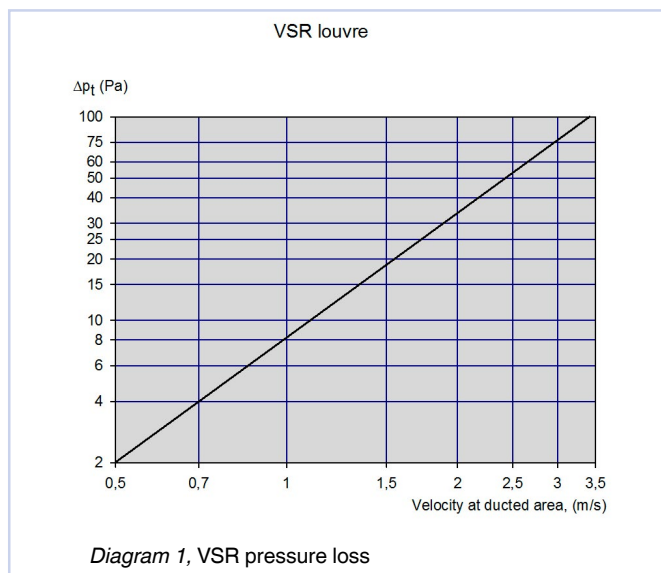


Fig. 1

VSR

DIMENSIONING

Air velocity and pressure loss for gross connection area



SEPARATION LEVEL OF WIND DRIVEN RAIN

VSR has been tested for the degree of separation of water from wind-treated rainfall according to NS EN 13030:2001.

The test criterion is 13m/s in wind velocity against the louvre, while the airflow through the louvre is varied from 0 to 3.5m/s.

The amount of water in the louvre is kept at 99 l/h.

Tests have been carried out at independent laboratory at BSRIA in England. The result shows that the VSR louvre holds 100% degree of separation.

Classification according to NS EN 13030:2001 is carried out with a VSR with an attached drip plate. Without the drip plate, the product is currently unclassified according to NS EN 13030:2001.

VSR	Widht: (Volume flow rates in m ³ /h at 2,5m/s in connection area)								
Height	600	800	1000	1200	1400	1600	1800	2000	2200
600	3240	4320	5400	6480	7560	8640	9720	10800	11880
800	4320	5760	7200	8640	10080	11520	12960	14400	15840
1000	5400	7200	9000	10800	12600	14400	16200	18000	19800
1200	6480	8640	10800	12960	15120	17280	19440	21600	23760
1400	7560	10080	12600	15120	17640	20160	22680	25200	27720
1600	8640	11520	14400	17280	20160	23040	25920	28800	31680
1800	9720	12960	16200	19440	22680	25920	29160	32400	35640
2000	10800	14400	18000	21600	25200	28800	32400	36000	39600
2200	11880	15840	19800	23760	27720	31680	35640	39600	43560

Table 1, the table shows volume flow rates in m³/h at 2,5 m/s in gross connection area. Larger dimensions than 2200 x 2200 are produced as modules.

VSR

INSTALLATION

VSR is delivered with welded lugs as shown in fig. 2. The flange, as shown in fig. 3, is attached to the unit by means of screws. It is important not to use the flange as a mounting frame. Sealing between wall and top edge is recommended in order to prevent rainwater along the facade from penetrating the grille.

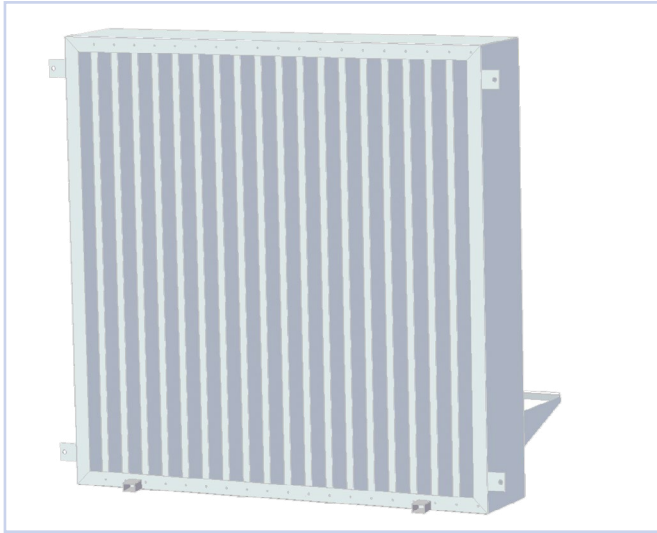


Fig. 2: Installation

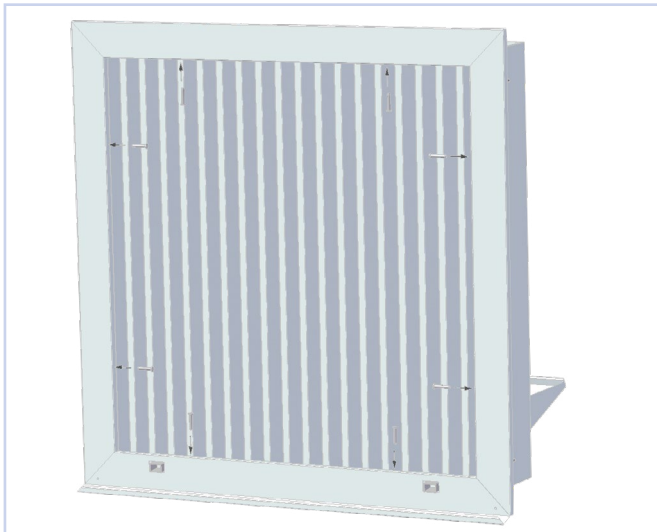


Fig. 3: Installation

MAINTENANCE

It is important to keep the louvre clean. Vacuuming from both the inside and the outside is recommended.

VSR is developed and manufactured by:



Fig. 4: Installation

ENVIRONMENT

Enquiries regarding product declaration can be directed to our sales team, or information can be found at our website: www.trox.no

The company reserves the right to make amendments without prior notice.