



The ultimate 3D CAD & BIM platform for HVAC industry professionals

Design and optimize HVAC systems, configure and purchase components, manage your projects and collaborate with your team through the cloud

Supported platforms: AutoCAD 2018-2020
BricsCAD V19-V20 Pro/BIM

Standalone version available since 2020!

Reasons why people are enthusiastic about Ventpack

Six main drawing functions

Element connection

Design ducts while maintaining a desired constant distance...

[Read more...](#) [See movie...](#)

Insert element

Insert a fan or other fitting from the library into an existing straight duct...

[Read more...](#) [See movie...](#)

Continuous drawing

Design ducts turn-by-turn, specifying points on the drawing...

[Read more...](#) [See movie...](#)

Continuous drawing with offset

Design ducts while maintaining a desired constant distance...

[Read more...](#) [See movie...](#)

Cross section

Create cross section views of selected elements...

[Read more...](#) [See movie...](#)

Auxiliary cross section

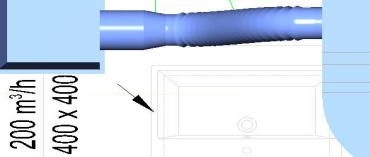
Transform selected elements to a temporary cross section view...

[Read more...](#) [See movie...](#)

A comprehensive suite of engineering functions

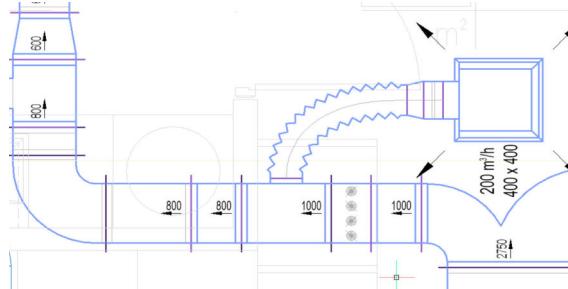
Flexible numbering

General
SRD1*+PBS
400 x 400
MD -1.46 m
0.35 m/s
P _t = 77 Pa
H = 6 Pa



[See movie...](#)

Pressure loss calculations



[See movie...](#)

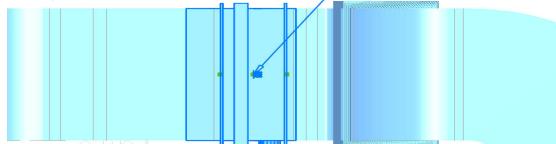
Labeling

Ventpack - Numbering and Dimensioning

- Place convictions
- Place infoframes
- Specify numbers
- Dimension "L"
- Dimension "a x b"

Renumber | Reset numbers | Help

GRYFIT LX-5G, LxH=800x500,, KP,
WT72C + FDG-WT-8-24
MD -1.03 m



[See movie...](#)

Filter and isolate

Multiple types (1020) Multiple produces (1020) Multiple categories (1020) others (1020)

X Position:

Z Position:

Properties:

- Width (W): 300
- Height (H): 300
- Material: STAL
- Color: White

Placing:

- Planar plane: F00 (2 kleinere bochtig)
- Diameter (D): 160
- Rectangular height (H): 250
- Box depth (B): 160

Assembly frame (MF): No

Dimensions (D): No

Damper (DA): No

Actuator (A): No

Surface area - Aeff = 0.060

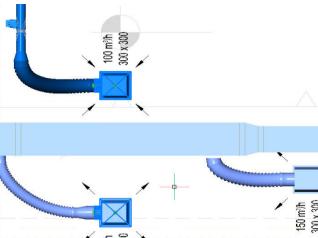
Geometric Percent: 100

Minimum velocity - Veff = 0.005

zeta n = 22

Yield pressure loss - P = 744Pa

Pressure reduction - H = 744Pa



[See movie...](#)

Acoustic calculations

PLM - Element Properties

Type	KSR-KSR-L-KSR-L-F-KSR/D	Manufacturer	FARPOL																																																												
Name	Rectangular silencer	Datasheet	Product Datasheet																																																												
Systems	(WxL) - Extract	Comments	Comment																																																												
Number	Elevation [m] MD [-] 7.470	Properties	Insulation Airflow Acoustics Errors																																																												
<table border="1"> <thead> <tr> <th>Variable</th> <th>0ftwatt</th> <th>1ftwatt</th> <th>2ftwatt</th> <th>3ftwatt</th> <th>4ftwatt</th> <th>5ftwatt</th> <th>6ftwatt</th> <th>7ftwatt</th> <th>8ftwatt</th> <th>9ftwatt</th> <th>10ftwatt</th> </tr> </thead> <tbody> <tr> <td>R - noise reduction</td> <td>44.3</td> <td>44.2</td> <td>44.1</td> <td>44.0</td> <td>45.0</td> <td>47.0</td> <td>48.0</td> <td>46.0</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>H - self noise power level</td> <td>3.3</td> <td>6.9</td> <td>6.3</td> <td>12.7</td> <td>19.7</td> <td>27.1</td> <td>34.7</td> <td>42.4</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Lw - sound power level</td> <td>22.4</td> <td>21.6</td> <td>11.9</td> <td>25.9</td> <td>28.9</td> <td>30.9</td> <td>31.9</td> <td>37.2</td> <td>36.8</td> <td>-</td> <td>-</td> </tr> <tr> <td>La - sound pressure level</td> <td>5.3</td> <td>7.8</td> <td>0.3</td> <td>14.2</td> <td>16.4</td> <td>17.4</td> <td>19.4</td> <td>20.4</td> <td>25.5</td> <td>25.4</td> <td>-</td> </tr> </tbody> </table>				Variable	0ftwatt	1ftwatt	2ftwatt	3ftwatt	4ftwatt	5ftwatt	6ftwatt	7ftwatt	8ftwatt	9ftwatt	10ftwatt	R - noise reduction	44.3	44.2	44.1	44.0	45.0	47.0	48.0	46.0	-	-	-	H - self noise power level	3.3	6.9	6.3	12.7	19.7	27.1	34.7	42.4	-	-	-	Lw - sound power level	22.4	21.6	11.9	25.9	28.9	30.9	31.9	37.2	36.8	-	-	La - sound pressure level	5.3	7.8	0.3	14.2	16.4	17.4	19.4	20.4	25.5	25.4	-
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3D View | 2D View | Photo | Include in catalog

[See movie...](#)

Multi-edit

Multiple types (1020) Multiple produces (1020) Multiple categories (1020) others (1020)

X Position:

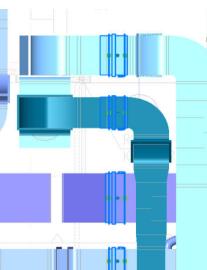
Z Position:

Properties:

- Width (W): 300
- Height (H): 300
- Material: C-BN 175-2000
- Color: White

Convection:

- Damper casing tightness class:
- Installation opening (W):
- Diameter (D):
- Installation opening (H):
- Length (P):
- Length (Q):
- Length (R):
- Length (S):
- Assembly in light wall: Isolated sheet
- Dimensions as 5 mm in the standard: 200
- Width as 5 mm (S):
- Height as 5 mm (H):
- Installation Brackets:
- Application in mixed systems (SM): No
- EMI module: No
- Fastener:
- Actuator type:
- Actuator voltage:



[See movie...](#)

Proficient use within one working day

Contact our team, schedule your training session and see for yourself:

E-mail: support@fluid-desk.com Tel: +48 609 85 98 62 Skype: FLUID DESK SUPPORT

