

Halton TVA, transfer unit - Technical description

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1 Introduction

1.1 About this document

The purpose of this document is to give technical information and design examples for salespersons, technical support and designers.

1.2 Copyright and disclaimers

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1.3 Summary of changes

Release	Date	Description
1.0	12-10-2026	First published version from Heretto (Content transferred from WordPress)

2 Product description

2.1 Overview



Fig. 1. Halton TVA, Overview

- Transfer grille for partition wall installations
- Adjustable casing depth adapts to the thickness of the wall
- Large free area, minimal pressure drop
- Detachable front panel allows cleaning of the unit
- Effective sound attenuation; reduced noise propagation between the adjacent rooms
- No visibility through the transfer grille

Product models

- Model with front panels only

2.2 Operating principle

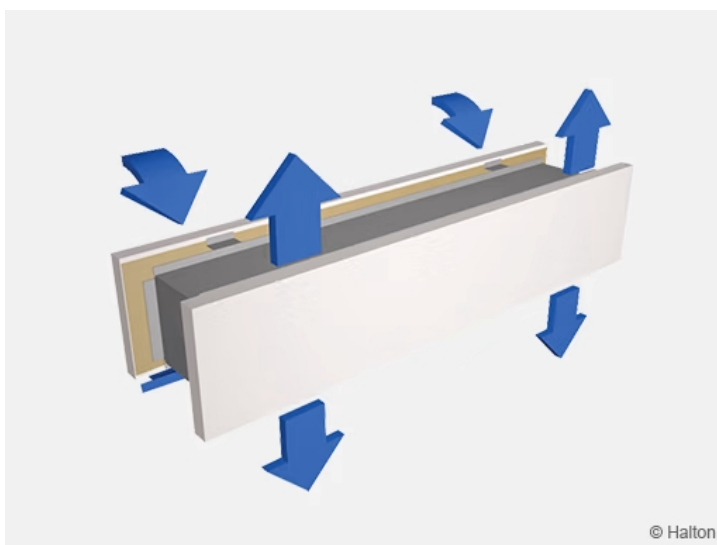


Fig. 2. Halton TVA, operating principle

Air moves to adjoining rooms through the transfer grille due to pressure difference.

The transfer unit attenuates sound and reduces air-borne noise between rooms.

The transfer unit distributes air evenly in different directions.

The transfer unit does not permit vision from room to room.

2.3 Dimensions and weight

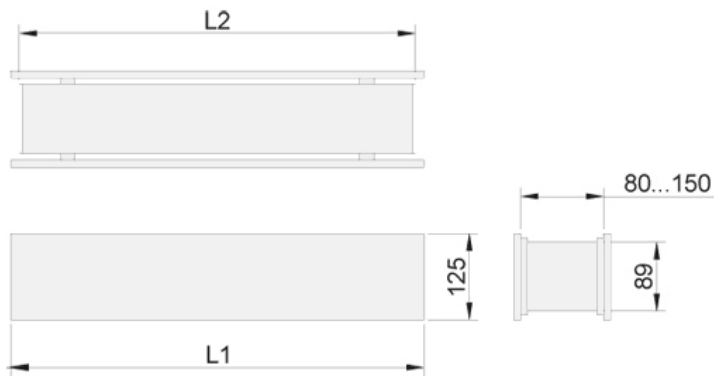
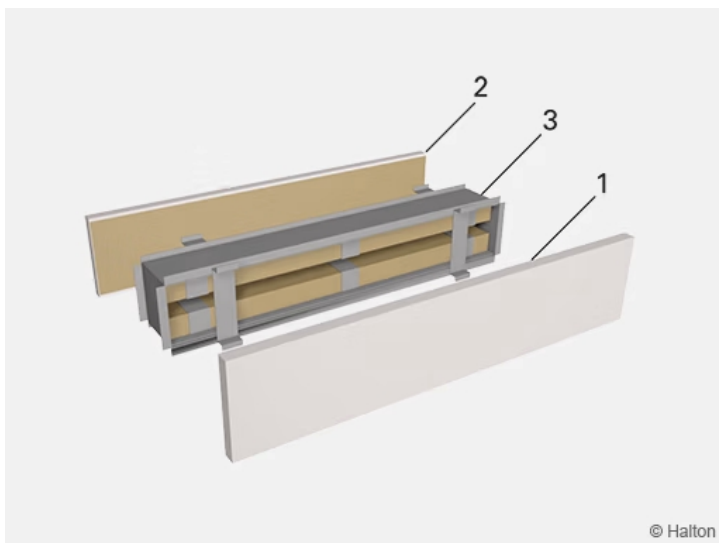


Fig. 3. Halton TVA, dimensions

L x H [mm]	L1 [mm]	L2 [mm]	Weight [kg]	
			TVA/N	TVA/B
600 x 100	600	545	3.5	1.5
700 x 100	700	660	4.1	1.7
800 x 100	800	760	4.7	1.9
900 x 100	900	860	5.1	2.1
1000 x 100	1000	960	5.6	2.4

2.4 Structure and Materials



No.	Part	Material	Description	Note
1, 2	Front panel	Galvanised steel	Epoxy-painted/ White (RAL 9003/ 30%)	Special colours available
3	Casing	Galvanised steel	-	-
4	Attenuation material	Mineral wool	-	-

2.5 Specification

Material

- The transfer unit is manufactured from galvanised steel with a white (RAL 9003) colour.
- Sound attenuation material is coated mineral wool.

Structure

- The transfer unit has a sound attenuating casing and two exposed front panels with side openings.
- The depth of the casing is adjustable according to the thickness of the wall.

Option

- The transfer unit can have two exposed front panels without casing.

2.6 Order code

TVA-S-W-H; CO-ZT

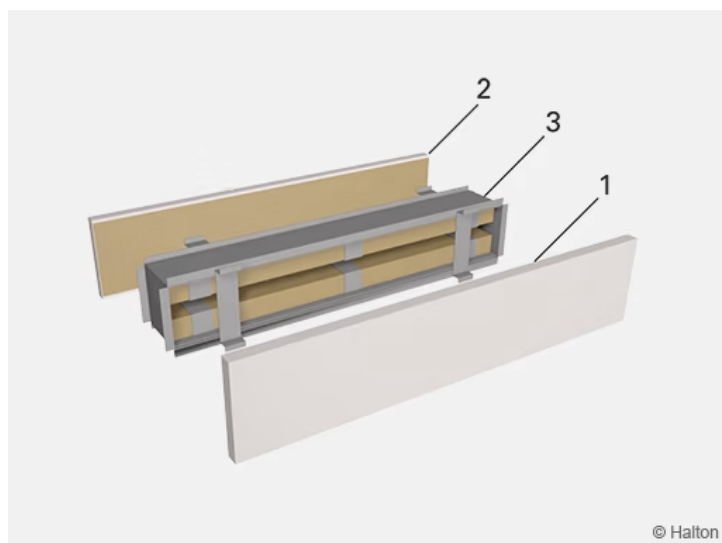
Main options	
W = Width [mm]	300, 400, 500, 600, 700, 800, 900, 1000
H = Height [mm]	100

Other options and accessories	
CO = Colour	
SW	White (RAL 9003)
X	Special colour (RAL xxxx)
ZT = Tailored product	
N	No
Y	Yes (ETO)

Order code example
TVA-N-600-100; CO=SW, ZT=N

3 Design information

3.1 Installation



Key	Description
1, 2	Front panels
3	Casing

The transfer unit is installed in an opening made in a wall.

The dimensions for installation hole are:

Description	TVA/N	TVA/B
Installation hole	(L2+5) x 95 mm	(L2+5) x (30... 60) mm
Wall thickness	80...150 mm	80...150 mm

3.2 Maintenance

1. Detach the front panels for cleaning.
2. Clean the unit using a vacuum cleaner.
3. Wipe the front panels with a damp cloth instead of immersing into water.