



7 Air Top quality


 Excellent housing properties

 Thermal insulation up to «T1/TB1»

 High-performance insulating material SEVEN-PIR®
 $\lambda = 0.021 \text{ W/mK}$

 Pressure resistant and dimensionally stable «D1»

 Highest density «L1»


 Sound insulation for all requirements
Details page 7


 Meets the standards/guidelines


 SIA 382/1 2014


 MuKEN

 SWKI VA 104-1, VDI 6022

 VKF 25-15, SN EN 1886


 Maximum corrosion protection


 Favourable life cycle assessment
Details page 40

 Materials free from harmful substances

 Casing with metric screws

 Dismountable at any time

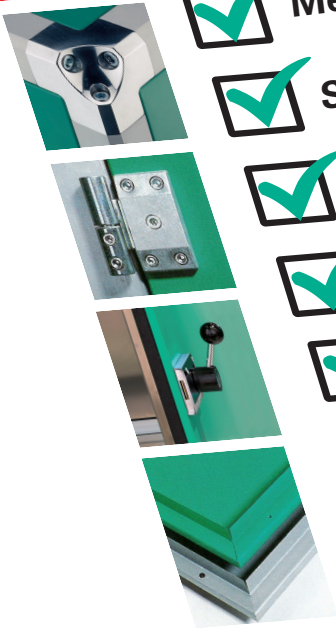
 Suitable for conversion / refurbishment
Details page 34

 Can be precisely reassembled

 Easy to operate and maintain

 High durability

SWISS
MADE



**Practising sustainability
since 1971**

«Circular economy»

7Air

Your partner for a good climate.

Quality features of the «Greens»

Seven-Air monobloc casing

Low energy losses; greatly reduced condensation.

Thermally separated housing ensures low energy losses.



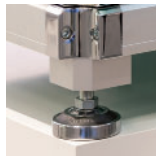
Minimal air leakage

Door latches and hinges can be adjustable at any time.



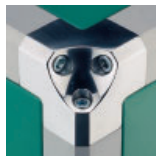
Vibrations are absorbed up to 95%

Sliding and height-adjustable plinth feet/insulation elements. Time-saving, simple assembly.



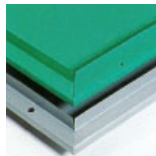
Cost saving for maintenance/conversions

Only metric screws are used for the enclosure construction. The Monobloc can therefore be dismantled or reassembled at any time.



Maximum corrosion protection; long service life

Shuttering panels and housing components are only powder-coated after processing.



Powder coating

Cladding sheets and housing components are only powder-coated after machining.



SAG

T1/TB1

60 mm*

SKG-Z/SZG

T2/TB2

50 mm*

SKG

T2/TB2

40 mm*

*Case frame thickness

Housing dimensions

- Special dimensions in mm raster on request possible

Insulation thicknesses

- The insulation thickness requirements according to «MuKEN» (model regulation of the cantons in the energy sector) and SIA 382/1 2014 are fulfilled indoors by all unit series and outdoors by the unit series SKG-Z, SZG and SAG.

Hygienic design according to regulations

- SWKI VA104-1, VDI 6022 Sheet 1, ÖNORM H6021 - Hygiene requirements for air handling units
- SWKI VA105-01, DIN 1946-4, ÖNORM H6020 - Air handling units for hospital buildings

Fire protection

Monobloc enclosures from Seven-Air meet the fire protection requirements of the

- Association of Cantonal Fire Insurers (VKF)
- SN EN 1886

Life Cycle Assessment Monobloc Panels

Seven-Air's PIR composite panels have a 45% lower environmental impact compared to mineral wool panels; for details see pag 40.

SEVEN-PIR® rigid foam insulation

- CFC- and HFC-free (ODP = 0.0; GWP = 0.0008)
- Free of chlorine and other halogens
- Non-toxic (not toxic) and non-carcinogenic (not carcinogenic)
- Thermal conductivity $\lambda = 0.021$ W/mK

Casing classifications according to SN EN 1886 (M)

Casing SKG

Heat transfer coefficient	Class	T2
Thermal bridge factor	Class	TB2
Insertion loss at 250Hz	[dB]	16

Casing SKG-Z / SZG

Heat transfer coefficient	Class	T2
Thermal bridge factor	Class	TB2
Insertion loss at 250Hz	[dB]	16

Casing SAG

Heat transfer coefficient	Class	T1
Thermal bridge factor	Class	TB1
Insertion loss at 250Hz	[dB]	14

SKG / SKG-Z / SZG / SAG

Deflection	Class	D1
Tightness	Class	L1
Filter bypass leakage	Class	F9