

## AR90-THK90 < Flap ventilators glazed-in/at transom



### *Self-regulating flap vent with external hood for improved weather protection*

The AR90 is the self-regulating version of the THK90. A self-regulating flap is integrated, reacting automatically to various wind pressures and thus preventing draughts. As the THK90, the AR90 has an external hood for additional weather protection.

#### **Glazed-in installation (or at transom)**

The AR90 has been developed for glazed-in installation, and can be integrated in aluminium, timber and PVC window profiles with a depth of 20, 24 or 28 mm. The AR90 can optionally also be installed at transom, using the additional transom profiles.

#### **Thermally broken**

No cold air transfer from outside to inside.

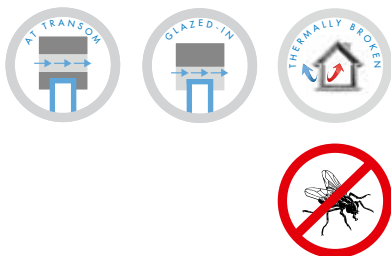
#### **Self-regulating**

Thanks to its self-regulating flap, the AR90 ensures the supply of fresh and healthy air without draughts.

#### **Flat interior profile**

Thanks to its flat interior profile, the AR90 is the ideal solution for integration in the fixed part of sash windows.

#### **Insect mesh**



### *Flap vent with external hood for improved weather protection*

The non self-regulating THK90 has a flat interior profile, which makes it a good solution for the integration in the fixed part of sash windows. The THK90 also has an external hood for additional weather protection.

#### **Glazed-in installation (or at transom)**

The THK90 has been developed for glazed-in installation, and can be integrated in aluminium, timber and PVC window profiles with a depth of 20, 24 or 28 mm. The THK90 can optionally also be installed at transom, using the additional transom profiles.

#### **Thermally broken**

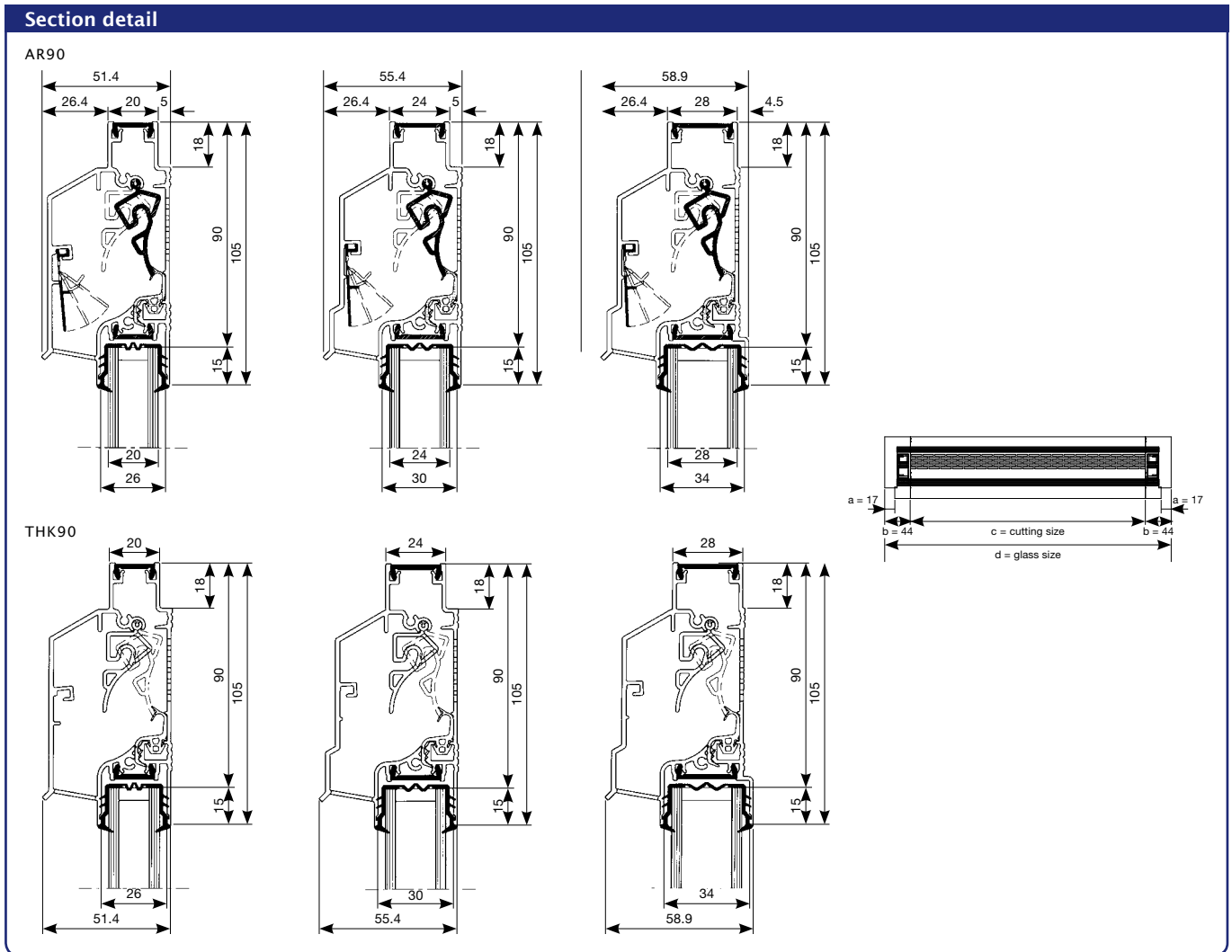
No cold air transfer from outside to inside.

#### **Flat interior profile**

Thanks to its flat interior profile, the THK90 is a good solution for integration in the fixed part of sash windows.

#### **Insect mesh**




**Technical characteristics**

	AR90	THK90
<b>Airflow</b>		
Equivalent area	14252 mm <sup>2</sup> /m	14736 mm <sup>2</sup> /m
Q at 1 Pa	11,2 l/s/m	11,6 l/s/m
Q at 1 Pa	40,3 m <sup>3</sup> /h/m	41,7 m <sup>3</sup> /h/m
Q at 2 Pa	15,6 l/s/m	16,1 l/s/m
Q at 10 Pa	11,4 l/s/m	34,5 l/s/m
Q at 20 Pa	9,1 l/s/m	48,0 l/s/m
<b>Comfort</b>		
Sound reduction $D_{n,e,w}$ (C;C <sub>tr</sub> )		
- in open position	30 (-1;-2) dB	28 (0;-1) dB
- in closed position	45 (-1;-3) dB	44 (0;-1) dB
<b>Technical characteristics</b>		
Controllable internal flap	5 posities	5 posities
Control options internal flap	Manual, cord, rod, motor	Manual, cord, rod, motor
U value	3,9 W/m <sup>2</sup> K	3,9 W/m <sup>2</sup> K
Air leakage at 50 Pa	<15% (in closed position)	<15% (in closed position)
Watertightness in closed position, up to	650 Pa	650 Pa
Watertightness in open position, up to	100 Pa	50 Pa
<b>Dimensions</b>		
Glass reduction	90 mm	90 mm
Height	105 mm	105 mm
Glass thickness	20, 24 or 28 mm	20, 24 or 28 mm
Max. length	2500 mm	2500 mm