

SLOTVENTS

SLOTVENT WINDOW VENTILATORS

INTRODUCTION

RENSON® developed an extensive range of slotvent window ventilators. The RENSON® slotvents are manufactured in aluminium, this to ensure the highest possible quality and durability. These aluminium slotvents can be powdercoated in any color, this making a perfect integration possible on wooden, uPVC and aluminium windowframes. RENSON® proposes some standard lengths for the slotvents but most of the types can be made to measure.

MATERIAL

Profiles: aluminium AlMgSi 0.5 (according to EN12020-2)

Standard finishing: satin anodised or powdercoated in RAL 1247 and RAL 9016

Upon request: powdercoating in any RAL or Syntha Pulvin® colour

Endcaps in ASA polymer type Luran S (colourfast, weather- and UV-resistant)

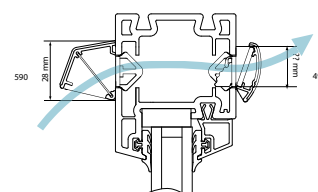
Endcaps are available in black or white depending on the type of slotvent.

SLOTVENT SETS

Different slotvent combinations are possible. Hereby some proposed slotvent sets.

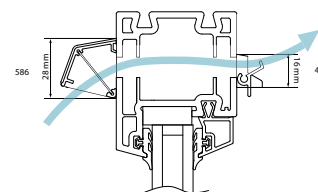
590 + 490

Type	Airflow			Equivalent Area (mm ²)
	1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
590/6 + 490/6	2.6	3.7	13.3	3276
590/7 + 490/7	4.4	6.2	22.5	5586
590/8 + 490/8	5.7	8.1	29.1	7229



586 + 467

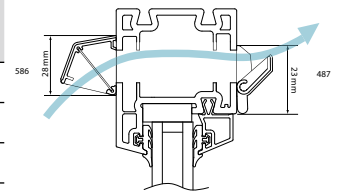
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	1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
586/5 + 467/5	1.4	2.0	7.3	1772
586/2 + 467/2	2.8	4.1	14.6	3602
586/3 + 467/3	3.6	5.1	18.4	4548





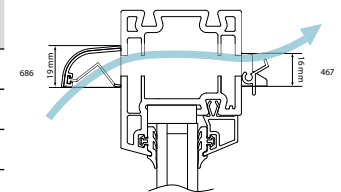
586 + 487

Type	Airflow			Equivalent Area (mm ²)
	1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
586/1 + 487/1	2.3	3.4	12.1	2968
586/2 + 487/2	3.6	5.1	18.4	4538
586/3 + 487/3	4.6	6.6	23.6	5874
586/4 + 487/4	6.9	9.8	35.2	8744



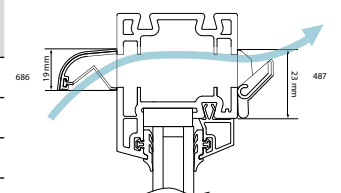
686 + 467

Type	Airflow			Equivalent Area (mm ²)
	1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
686/1 + 467/1	1.8	2.5	9.1	2234
686/2 + 467/2	2.6	3.8	13.6	3361
686/3 + 467/3	3.3	4.8	17.2	4241
686/4 + 467/4	5.4	7.7	27.7	6828
686/5 + 467/5	1.4	2.0	7.1	1721



686 + 487

Type	Airflow			Equivalent Area (mm ²)
	1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
686/1 + 487/1	2.0	2.9	10.6	2593
686/2 + 487/2	3.1	4.5	16.1	3966
686/3 + 487/3	4.3	6.1	21.8	5422
686/4 + 487/4	5.8	8.3	29.7	7391



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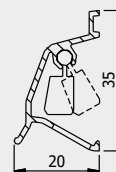
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EXTERIOR SLOTVENTS



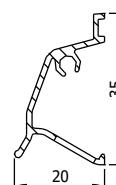
471 Self regulating canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	Equivalent Area (mm ²)
471/1	275	35	250 x 25	1.4	2.0	7.3	1785
471/2	375	35	350 x 25	2.0	3.0	10.8	2527
471/3	475	35	(215 x 25) + 20 + (215 x 25)	2.3	3.7	13.2	2951
471/4	700	35	(325 x 25) + 25 + (325 x 25)	4.0	6.0	21.5	5055



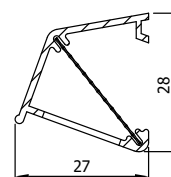
486 Canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	Equivalent Area (mm ²)
486/1	275	35	250 x 25	1.7	2.4	8.5	2105
486/2	375	35	350 x 25	2.2	3.2	11.4	2805
486/3	475	35	(215 x 25) + 20 + (215 x 25)	3.2	4.6	16.5	4125
486/4	700	35	(325 x 25) + 25 + (325 x 25)	4.4	6.2	22.5	5550



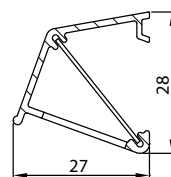
586 Canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	Equivalent Area (mm ²)
586/1	275	28	250 x 25	3.3	4.8	17.2	4249
586/2	375	28	350 x 25	4.3	6.2	22.4	5520
586/3	475	28	(215 x 25) + 20 + (215 x 25)	6.4	9.0	32.5	8161
586/4	700	28	(325 x 25) + 25 + (325 x 25)	8.9	12.8	46.2	11335



587P Canopy

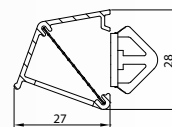
Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	Equivalent Area (mm ²)
587P/1	275	28	250 x 25	3.4	4.8	17.4	4312
587P/2	375	28	350 x 25	4.9	6.9	24.8	6210
587P/3	475	28	(215 x 25) + 20 + (215 x 25)	6.6	9.2	33.2	8354
587P/4	700	28	(325 x 25) + 25 + (325 x 25)	9.4	13.3	48.0	12015





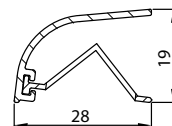
590 Clip in canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
590/6	290	28	284 x 16	3.5	5.0	18.1	4498
590/7	470	28	(222 x 16) + 20 + (222 x 16)	6.1	8.7	31.2	7800
590/8	565	28	(270 x 16) + 19 + (270 x 16)	7.1	10.1	36.4	9067



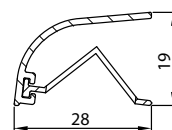
686 Canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
686/1	275	19	250 x 16	2.6	3.8	13.6	3360
686/2	375	19	350 x 16	4.2	5.9	21.3	5314
686/3	475	19	(215 x 16) + 20 + (215 x 16)	4.9	7.2	25.8	6233
686/4	700	19	(325 x 16) + 25 + (325 x 16)	7.7	11.0	39.6	9739
686/5	220	19	195 x 16	2	2,9	10,3	2529



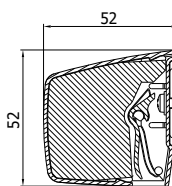
687P Canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
687P/1	275	19	250 x 25	3.0	4.3	15.4	3832
687P/2	375	19	350 x 25	4.4	6.2	22.2	5586
687P/3	475	19	(215 x 25) + 20 + (215 x 25)	5.8	8.3	29.7	7413
687P/4	700	19	(325 x 25) + 25 + (325 x 25)	8.8	12.6	45.3	11180



771AK Acoustic canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
771AK/2	415	52	(165 x 25) + 20 + (165 x 25)	2.7	4.0	14.1	3372
771AK/3	565	52	(250 x 25) + 20 + (250 x 25)	4.8	6.9	24.8	6044
771AK/5	565	52	(250 x 25) + 20 + (250 x 25)	2.3	3.7	13.2	2951



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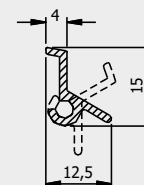
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INTERIOR SLOTVENTS



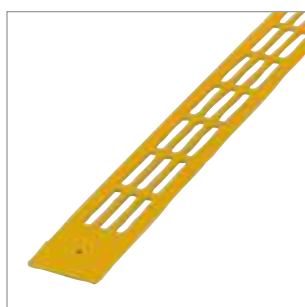
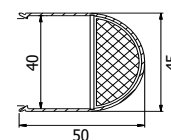
467 Slimline tipvent

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
467/1	275	16	250 x 10	2,3	3,3	12,0	2953
467/2	375	16	(165 x 10) + 20 (165 x 10)	3,2	4,5	16,3	4055
467/3	475	16	(215 x 10) + 20 + (215 x 10)	4,0	5,7	20,5	5105
467/4	700	16	(325 x 10) + 25 + (325 x 10)	6,9	9,8	35,1	8814
467/5	220	16	195 x 10	1,7	2,3	8,4	2069



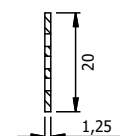
470 Sound absorbing box

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
470/30	400	45	(165 x 25) + 20 + (165 x 25)	1.4	2.0	7.3	1727
470/45	700	45	(315 x 25) + 20 + (315 x 25)	2.2	3.2	11.6	2831



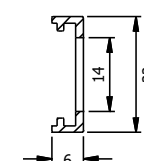
478 Flat grill

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
478/1	275	20	230 x 16	1.9	2.8	9.9	2453
478/2	375	20	330 x 16	2.8	3.9	14.2	3512
478/3	475	20	(205 x 16) + 20 + (205 x 16)	3.7	5.4	19.3	4753
478/4	700	20	(315 x 16) + 25 + (315 x 16)	5.6	8.0	28.8	7119



485 Hit and miss vent

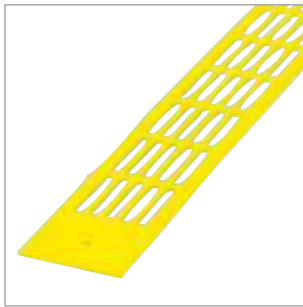
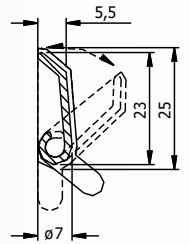
Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
485/1	275	22	230 x 16	1.2	1.8	6.4	1551
485/2	375	22	330 x 16	1.9	2.7	9.9	2438
485/3	475	22	(210 x 16) + 20 + (200 x 16)	2.5	3.6	13.1	3214
485/4	700	22	(310 x 16) + 20 + (325 x 16)	4.1	6.0	21.6	5203





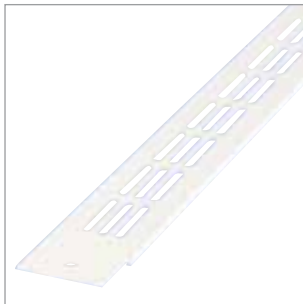
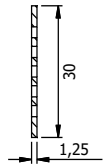
487 Tipvent

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
487/1	275	23	250 x 16	3.3	4.7	17.0	4229
487/2	375	23	(165 x 16) + 20 + (165 x 16)	4.8	6.8	24.4	6080
487/3	475	23	(215 x 16) + 20 + (215 x 16)	5.9	8.3	30.0	7496
487/4	700	23	(325 x 16) + 25 + (325 x 16)	9.8	14.0	50.5	12527



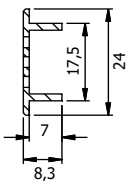
488 Patio grille

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
488/1	275	30	250 x 25	3.1	4.3	15.5	3899
488/2	375	30	(165 x 25) + 20 + (165 x 25)	4.3	5.9	21.4	5423
488/3	475	30	(215 x 25) + 20 + (215 x 25)	4.5	6.8	24.6	5787
488/4	700	30	(325 x 25) + 25 + (325 x 25)	8.5	12.1	43.5	10839



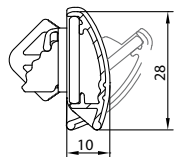
489 Bar grille

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
489/1	275	24	237 x 18	1.7	2.5	8.9	2202
489/2	375	24	337 x 18	2.2	3.2	11.7	2822
489/3	475	24	(210 x 18) + 17 + (210 x 18)	3.0	4.3	15.3	3807
489/4	700	24	(320 x 18) + 22 + (320 x 18)	5.1	7.2	25.8	6477



490 Clip in tipvent

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
490/6	290	28	284 x 16	4.1	5.8	20.9	5186
490/7	470	28	(222 x 16) + 20 + (222 x 16)	6.3	9.0	32.4	8071
490/8	565	28	(270 x 16) + 19 + (270 x 16)	7.8	11.1	39.8	9899



SLOTVENTS

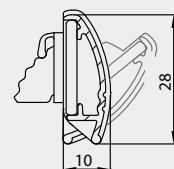
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INTERIOR SLOTVENTS



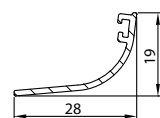
490S Screw tipvent

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
490S/6	290	28	250 x 16	4.1	5.8	20.9	5186
490S/7	470	28	(210 x 16) + 20 + (210 x 16)	6.3	9.0	32.4	8071
490S/8	565	28	(250 x 16) + 20 + (250 x 16)	7.8	11.1	39.8	9899



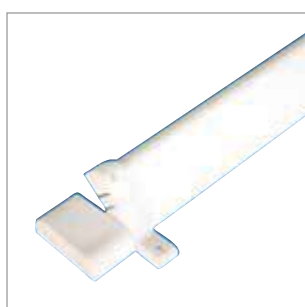
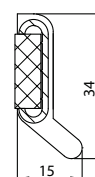
686N Canopy

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
686N/1	275	19	250 x 16	3.7	5.3	19.1	4757
686N/2	375	19	350 x 16	5.4	7.5	27.1	6814
686N/3	475	19	(215 x 16) + 20 + (215 x 16)	6.2	9.0	32.3	7877
686N/4	700	19	(325 x 16) + 25 + (325 x 16)	10.1	14.4	52.0	12841
686N/5	220	19	195 x 16	2.8	4.0	14.4	3574



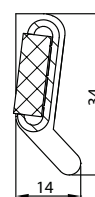
787AK Tipvent

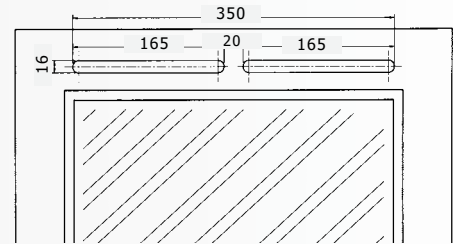
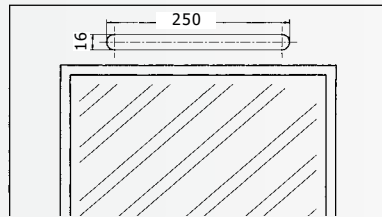
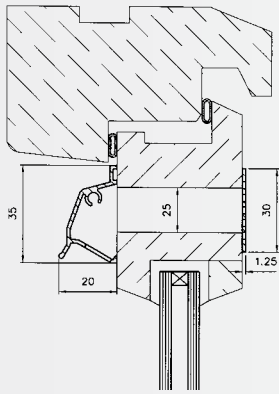
Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
787AK/1	275	28	245 x 16	3.2	4.6	16.7	4127
787AK/2	375	28	(165 x 16) + 20 + (165 x 16)	4.0	5.7	20.5	5108
787AK/3	475	28	(215 x 16) + 20 + (215 x 16)	5.1	7.3	26.3	6525
787AK/4	700	28	(325 x 16) + 25 + (325 x 16)	9.0	12.9	46.5	11455



788P Tipvent

Type	Length (mm)	Height (mm)	Slotsize opening (mm)	Airflow			Equivalent Area (mm ²)
				1 Pa (l/s)	2 Pa (l/s)	2 Pa (m ³ /h)	
788P/1	275	28	250 x 16	3.2	4.6	16.7	4127
788P/2	375	28	350 x 16	4.0	5.7	20.5	5108
788P/3	475	28	(215 x 16) + 20 + (215 x 16)	5.1	7.3	26.3	6525
788P/4	700	28	(325 x 16) + 25 + (325 x 16)	9.0	12.9	46.5	11455





SLOTSIZE OPENINGS

Rout the required slot before mounting the RENSON® slotvents on the windowframe.

For long slotvents, enforcement bridges must be taken into account between the gaps, this to prevent weakening the windowframe.

When combining an exterior and an interior slotvent, use the smallest slotsize opening indicated.

PERMANENT SLOT VENTILATORS FOR DOMESTIC FUEL BURNING APPLIANCES

To comply with Building Regulations and British Standards specific permanent air vents are required to provide combustion air/relief air. This non controllable airvent must allow air passage at all times. The ventilator must be fitted with apertures which prevent the entry of a 10 mm diameter ball, but allow the entry of a 5 mm diameter ball.

The canopies 587P and 687P are fitted with a flyscreen to suit the 5/10 mm diameter ball specification.

Proposed slotvent sets, complying with BS5440 and having approval of British Gas Technology are:

Exterior: 587P or 687P

+

Interior; 587P or 687P (both inverted allowing the incoming air to be deflected upwards to avoid undue draughts) or the 686N canopy.

