

PNVG

- > Transfer Grille
- > Non-Vision
- > Door Mounted

DESCRIPTION

Our non-vision grilles are intended to provide good levels of ventilation for areas where privacy must be ensured; bathrooms or hospital examination rooms for example.

NOTES

All dimensions are given in mm.
Minimum size 100 mm x 100 mm
Maximum size 1200 mm x 1200 mm
PNVG1-3 - 37 mm bevelled.

CONSTRUCTION

Extruded aluminium frame & core.

Finish:
Satin anodised (AA5).

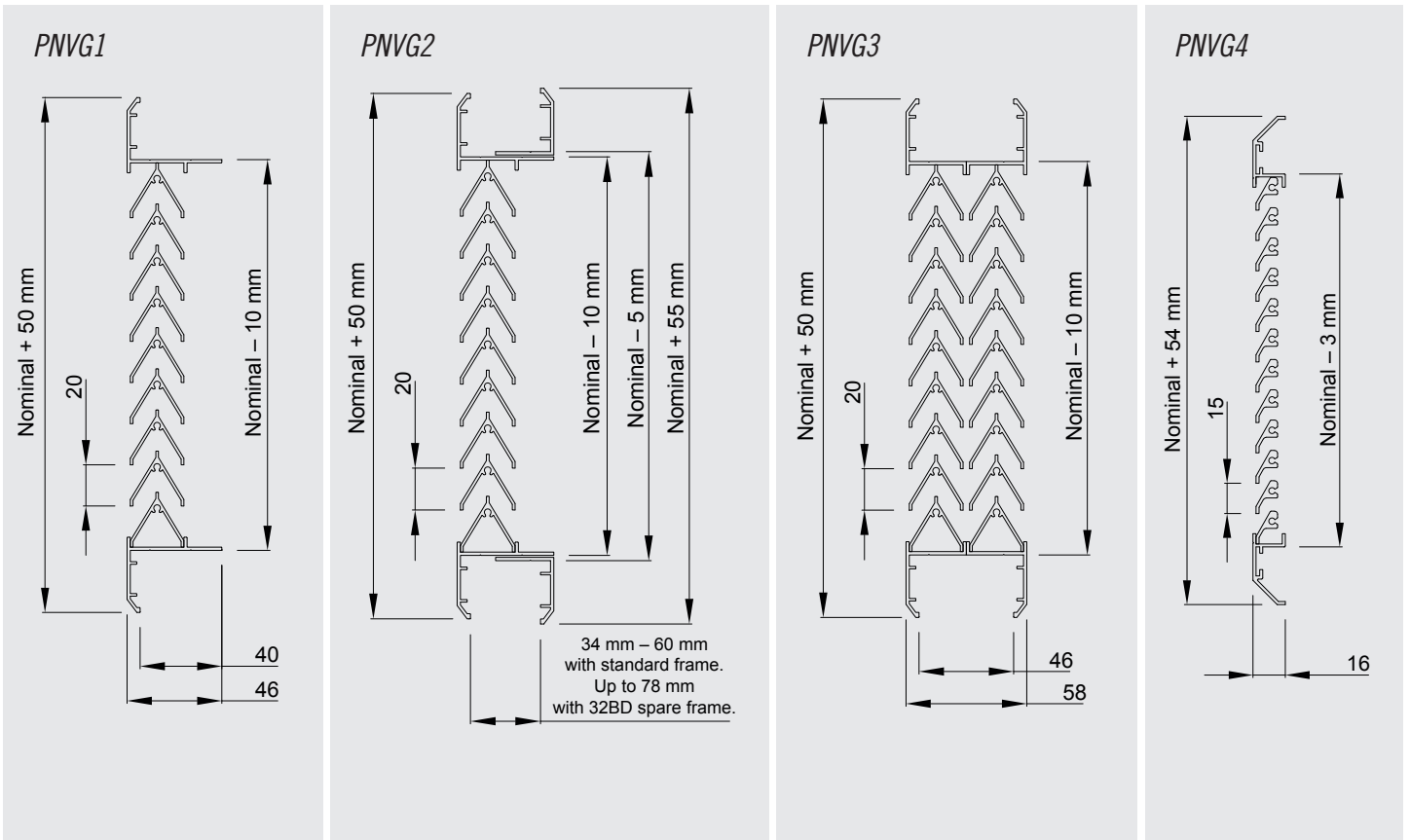
FEATURES

PNVG1/2/3 Free Area: 38% Approx
PNVG4 Free Area: 30% Approx

MODELS

- PNVG1:** Standard flanged grille
PNVG2: Door grille with spare backing frame
PNVG3: Double layered, trimmed frames (suited to dark rooms)
PNVG4: Slimline surface mounted with chevron blade (suited to fire doors)

FACE AREA (Mass/m ²)			
PNVG1	PNVG2	PNVG3	PNVG4
12.5 kg	15 kg	23 kg	11 kg



PNVG – SELECTION DATA

SELECTION DATA																	
250 Width																	
Air Volume (m³/s)		0.010	0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200		
Height	100	Pa	22	50	89												
		dB(A)	21	29	34												
	150	Pa		10	18	28	40										
		dB(A)		16	22	26	30										
	250	Pa					16	25	36	49	63						
		dB(A)					24	29	32	35	38						
	350	Pa								21	27	43	66				
		dB(A)								29	31	36	40				
	450	Pa									15	24	37	53			
		dB(A)									27	31	36	39			
	550	Pa										15	23	34	60		
		dB(A)										28	32	36	41		
650	Pa														41		
	dB(A)															38	

SELECTION DATA																		
450 Width																		
Air Volume (m³/s)		0.010	0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	
Height	100	Pa	6	13	23	37	53											
		dB(A)	11	19	24	29	32											
	150	Pa		3	5	7	10	19	29	42								
		dB(A)		-	12	16	20	25	30	33								
	250	Pa						4	7	9	13	17	26	41	59			
		dB(A)						14	18	22	25	28	32	36	40			
	350	Pa									5	7	11	17	25	45		
		dB(A)									19	21	26	30	33	39		
	450	Pa										4	6	10	14	25	56	
		dB(A)										17	21	25	29	35	43	
	550	Pa											4	6	9	16	35	63
		dB(A)											18	22	26	31	39	45
650	Pa															11	24	43
	dB(A)															28	36	42

350 Width																		
Air Volume (m³/s)		0.010	0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300		
Height	100	Pa	10	23	41	64												
		dB(A)	15	23	28	33												
	150	Pa		5	8	13	18	32	51									
		dB(A)		11	16	21	24	30	34									
	250	Pa					7	11	16	22	29	45						
		dB(A)					18	23	26	29	32	36						
	350	Pa								10	12	20	31	44				
		dB(A)								23	25	30	34	38				
	450	Pa									7	11	17	24	43			
		dB(A)									21	25	30	33	39			
	550	Pa										7	11	15	27	62		
		dB(A)										22	26	30	35	43		
650	Pa															19	42	
	dB(A)															33	40	

550 Width																				
Air Volume (m³/s)		0.010	0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	0.500		
Height	100	Pa	4	9	15	24	34													
		dB(A)	-	15	21	25	29													
	150	Pa			3	5	7	12	19	27										
		dB(A)			-	13	17	22	26	30										
	250	Pa						3	4	6	8	11	17	26	38	67				
		dB(A)						11	15	19	22	24	29	33	37	42				
	350	Pa										4	5	7	11	16	29	65		
		dB(A)										15	18	22	27	30	36	44		
	450	Pa											3	4	6	9	16	36	64	
		dB(A)											13	18	22	26	31	39	45	
	550	Pa												3	4	6	10	23	40	
		dB(A)												14	19	22	28	36	41	
650	Pa																7	16	28	44
	dB(A)																25	33	39	43

KEY INFORMATION

Pa = Static Pressure Drop
dB(A) = Sound Pressure Level

PNVG – SELECTION DATA

SELECTION DATA																			
650 Width																			
Air Volume (m³/s)		0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	0.500		
Height	100	Ps	6	12	17	24													
		Lp	13	18	23	27													
	150	Ps			3	5	8	13	19										
		Lp			10	14	19	24	25										
	250	Ps					2	3	4	6	8	12	18	26	45				
		Lp					-	12	16	19	22	23	30	34	40				
	350	Ps								2	3	5	8	12	20	45			
		Lp								13	15	20	24	27	33	45			
	450	Ps									2	3	4	6	11	25	45		
		Lp									11	15	21	23	29	37	45		
	550	Ps										2	3	4	7	16	28	44	
		Lp										12	16	19	22	33	39	42	
	650	Ps														5	11	21	30
		Lp														22	30	36	39

SELECTION DATA																			
1050 Width																			
Air Volume (m³/s)		0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	0.500			
Height	100	Ps	4	6	9														
		Lp	11	16	18														
	150	Ps				3	5	7											
		Lp				12	17	21											
	250	Ps						2	2	3	4	7	11	17					
		Lp						-	11	15	18	23	26	33					
	350	Ps									2	3	4	8	17	29			
		Lp									12	16	21	25	33	39			
	450	Ps										2	2	4	9	16	25		
		Lp										12	15	22	29	33	39		
	550	Ps											1	3	7	10	16		
		Lp											12	18	25	31	37		
	650	Ps														2	5	7	11
		Lp														15	24	28	35

SELECTION DATA																			
850 Width																			
Air Volume (m³/s)		0.015	0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	0.500		
Height	100	Ps	3	6	10	14													
		Lp	-	14	18	25													
	150	Ps				3	5	7	11										
		Lp				-	15	21	23										
	250	Ps					2	2	3	4	8	10	15	29					
		Lp					-	12	15	17	22	26	30	33					
	350	Ps									2	3	4	6	11	26	46		
		Lp									11	15	22	23	29	35	40		
	450	Ps										2	2	4	6	14	25	41	
		Lp										11	15	19	25	32	38	42	
	550	Ps											2	2	4	10	16	25	
		Lp											12	15	21	29	33	38	
	650	Ps														3	5	11	18
		Lp														18	26	32	33

SELECTION DATA																			
1250 Width																			
Air Volume (m³/s)		0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	0.500			
Height	100	Ps	3	4	6														
		Lp	-	13	16														
	150	Ps				2	4	5											
		Lp				-	13	18											
	250	Ps									2	3	6	7	12				
		Lp									11	16	20	24	29				
	350	Ps										2	3	5	13	21			
		Lp										13	17	23	31	37			
	450	Ps											2	3	5	11	18		
		Lp											13	18	26	33	36		
	550	Ps												2	5	7	11		
		Lp												15	23	28	30		
	650	Ps													1	3	5	9	
		Lp													12	19	25	31	

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