

# PFRCG

BS 476: Pts. 20 & 22 & BS EN 1634-1: 2000 tested

- > Fire Rated Door Transfer Grille
- > Bi-Directional Air Flow

## DESCRIPTION

Standard vision intumescent air transfer grille for walls, doors and rectangular or circular ventilation ducts. Excellent airflow characteristics which result in silent efficient operation in normal use.

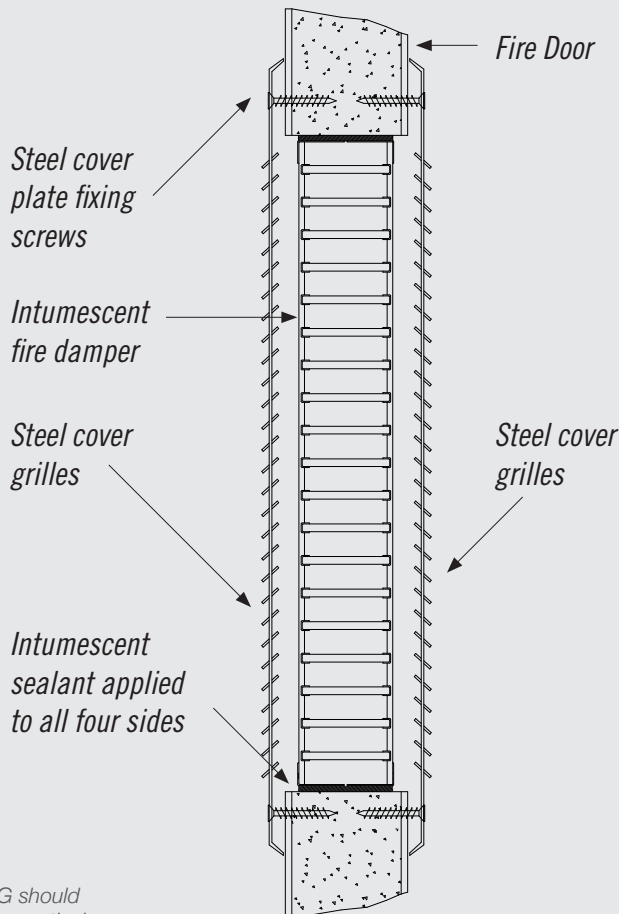
## CONSTRUCTION

Intumescent material used in the slat construction is based upon sodium silicate and provides the lowest activation temperature of any intumescent material at 100°C. It is encapsulated in PVC extrusions.

## MODELS

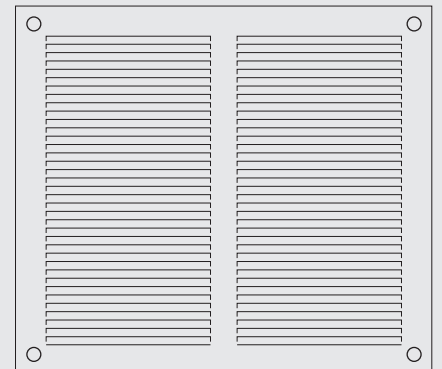
**PFRCG:** 2x cover grille + fire block  
**PCG:** 1x cover grille

PFRCG



The PFRCG should be used in a vertical orientation as illustrated

PCG – Cover Grille



### DIMENSIONS (mm)

Width	100	200	300	400	500	600
Height	100	200	300	400	500	600
Depth	40	40	40	40	40	40

Also available in 25 mm increments

### NOTES

Each size of damper is manufactured 2mm less than the corresponding duct or aperture size to provide clearance during installation.

# PFRCG – SELECTION DATA

SELECTION DATA															
Free Area (cm <sup>2</sup> )		Air Volume (m <sup>3</sup> /s)													
		0.010	0.013	0.015	0.018	0.020	0.025	0.030	0.040	0.050	0.060	0.080	0.100	0.125	0.150
50	Pa	5	9	12	17	22	34								
	dB(A)	-	11	15	20	24	29								
60	Pa		6	9	12	15	24	34							
	dB(A)		7	13	16	19	25	31							
80	Pa			5	7	9	13	19	34						
	dB(A)			-	-	14	19	23	31						
100	Pa				4	5	10	12	22	34					
	dB(A)				-	-	15	21	26	32					
125	Pa					4	6	8	14	22	32				
	dB(A)					-	-	13	21	25	32				
150	Pa						4	6	10	15	22	42			
	dB(A)						-	10	16	23	28	35			
200	Pa							6	10	13	22	35			
	dB(A)							11	17	22	29	35			
250	Pa							4	6	8	15	23	33		
	dB(A)							-	12	18	25	30	36		
300	Pa								4	7	10	16	25	36	
	dB(A)								-	13	22	27	32	35	

SELECTION DATA															
Free Area (cm <sup>2</sup> )		Air Volume (m <sup>3</sup> /s)													
		0.080	0.100	0.125	0.150	0.175	0.200	0.250	0.300	0.400	0.500	0.600	0.800		
400	Pa	6	9	14	24	28									
	dB(A)	15	23	26	31	34									
500	Pa	4	6	9	14	18	24								
	dB(A)	10	16	23	27	31	35								
600	Pa		4	7	10	13	17	27							
	dB(A)		12	18	23	27	30	36							
800	Pa			4	6	8	10	17	23						
	dB(A)			12	17	22	25	30	35						
1000	Pa				4	5	7	12	15	27					
	dB(A)				13	17	21	26	31	37					
1250	Pa					4	5	7	10	18	29				
	dB(A)					-	16	22	27	34	40				
1500	Pa							3	5	9	14	21			
	dB(A)							13	18	24	31	37			
2000	Pa									5	9	14	20		
	dB(A)									19	26	32	37		
2500	Pa										4	6	11	14	27
	dB(A)										15	23	29	33	40

Free Area (cm <sup>2</sup> )												
Height	100	150	200	250	300	350	400	450	500	550	600	
100	56	85	114	147	179	209	242	272	303	335	363	
150	89	133	180	232	283	329	380	432	478	529	575	
200	121	184	246	317	387	450	520	591	653	726	786	
250	154	233	315	402	491	570	660	751	829	918	997	
300	187	283	378	487	599	692	800	909	1004	1113	1208	
350	220	332	444	572	700	812	940	1067	1180	1305	1420	
400	252	381	510	658	804	933	1080	1226	1355	1502	1631	
450	282	431	577	742	908	1053	1219	1385	1531	1697	1842	
500	318	480	646	827	1011	1175	1358	1542	1706	1891	2054	
550	350	530	709	912	1116	1295	1499	1703	1884	2086	2267	
600	383	574	772	998	1223	1416	1639	1862	2058	2280	2475	

## KEY INFORMATION

Throw based on diffuser installed in a standard dropped ceiling.

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