

		Snelselectie - Sélection rapide										
Air flow [m <sup>3</sup> /h]		VWR-FSA	300			400			500			Effective surface [m <sup>2</sup> ]
Type of grille	Q	Ak	0.01			0.016			0.033			
Distance between grilles [m]	B	H= 2.7	1.2	2.4	3.6	1.2	2.4	3.6	1.2	2.4	3.6	
Maximal air speed in occupation zone [m/s]	Vz	H= 3.2	0.2	0.15	0.12	0.15	0.11	0.09				
		H= 3.8	0.15	0.12	0.1	0.11	0.09	0.07				
		H= 3.8	0.12	0.1	0.08	0.09	0.07	0.06				
Installation height [m]	100	Vk	2.8			1.7						
	X0,25		1.2			0.8						
	Ps		3			2						
	Lw(A)		<20			<20						
Effective air speed through the grille [m/s]	Vz	H= 2.7	0.3	0.22	0.17	0.22	0.17	0.13	0.16	0.12	0.1	
		H= 3.2	0.23	0.18	0.15	0.17	0.14	0.11	0.13	0.1	0.08	
		H= 3.8	0.18	0.15	0.13	0.14	0.11	0.1	0.1	0.08	0.07	
Throw distance [m]	150	Vk	4.2			2.6			1.3			
	X0,25		1.8			1.3			0.9			
	Ps		8			5			3			
	Lw(A)		30			21			<20			
Static pressure loss [Pa]												
Sound power [dB(A)]												

Example: Grille type VWR-FSA type 300 with 150 m<sup>3</sup>/h  
 \* Grille has an effective surface of 0.01 m<sup>2</sup>  
 \* Air speed in the occupation zone Vz=0.23 m/s with placement on 3.2 m height and 1.2 m between the grilles  
 \* Effective speed through the grille Vk=4.2 m/s  
 \* The throw X0.25 with end speed of 0.25 m/s = 1.8m  
 \* The static pressure loss Ps is 8Pa  
 \* The sound power Lw(A) = 30 dB(A)