

FILTER HOLDER GRILLES "PUSH/PULL"

TECHNICAL CHARACTERISTICS

USP SERIES

TECHNICAL DATA:

USP series filter holder grilles, are used for air intake, allow the replacement of the filter by using a "push-pull" closing mechanism.

The combination hinges and the 'push-pull' devise, all hidden from view, allows the filter to be changed without the use of tools.

The standard area of use of these diffusers is between 2.6 m and 4 m in height.

VERSIONS:

USP-R screen with inclined fins in aluminium;

USP-Q 0 screen with square mesh in aluminium;

USP-Q4 screen with angled square mesh in aluminium;

USP-L screen with perforated sheet steel;

PLENUM:

The diffuser can be integrated with special steel plenum

MATERIALS:

Double aluminium frame, screen made of sheet steel for version USP-L, in aluminium for versions USP-Q and USP-R

FINISH:

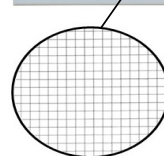
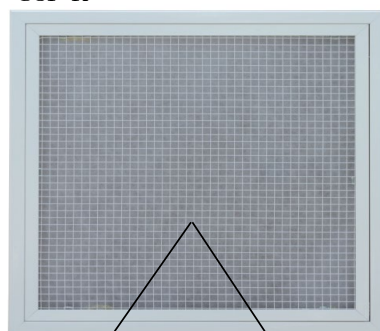
USP-L painted RAL 9010;

USP-Q0 anodized or painted RAL 9010;

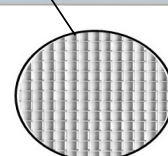
USP-Q4 anodized or painted RAL 9010;



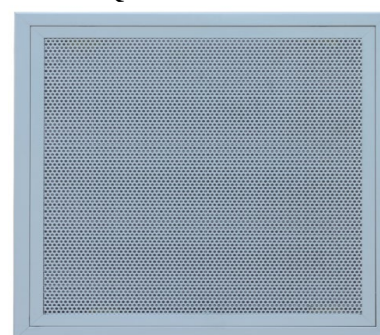
USP-R



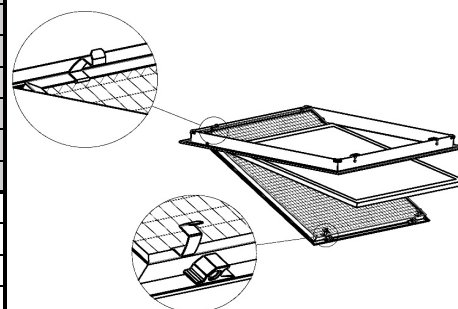
USP-Q0



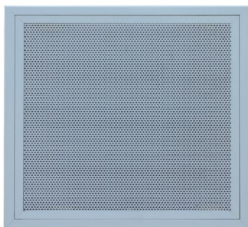
USP-Q4



USP-L



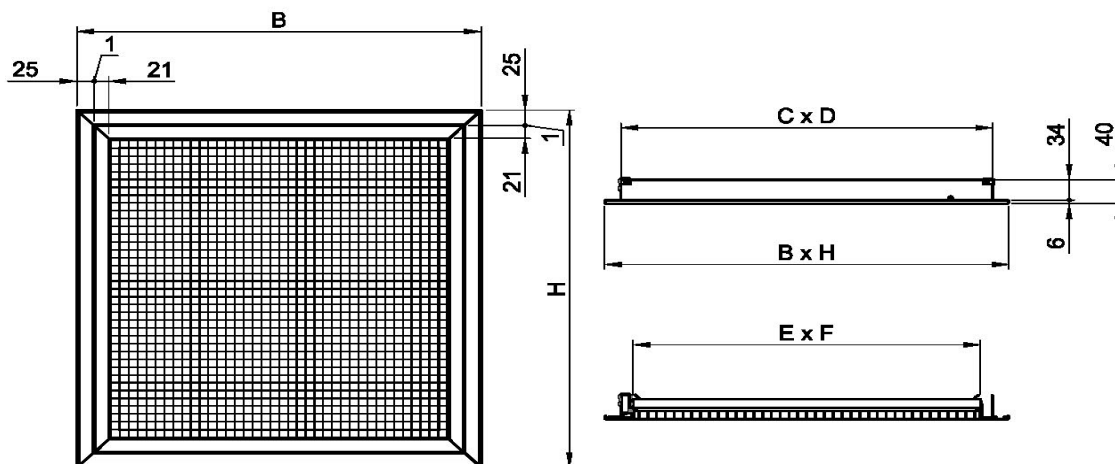
Size of the grille		Ak [m ²]			
		USP-R	USP-Q0	USP-Q4	USP-L
400x400	Nominal	0,0397	0,1213	0,1103	0,0526
500x500	Nominal	0,0682	0,1986	0,1805	0,0882
600x600	Nominal	0,1043	0,2944	0,2676	0,1331
600x400	Nominal	0,0632	0,1893	0,1721	0,0836
800x400	Nominal	0,0867	0,2574	0,2340	0,1147
1000x200	Nominal	0,0386	0,1464	0,1331	0,0595
1000x300	Nominal	0,0744	0,2360	0,2145	0,1027
1000x400	Nominal	0,1102	0,3255	0,2959	0,1458
200x600	Nominal		0,0843	0,0766	
200x700	Nominal		0,0998	0,0907	
200x800	Nominal		0,1153	0,1048	
200x1000	Nominal		0,1464	0,1331	
300x600	Nominal		0,1368	0,1244	
300x700	Nominal		0,1616	0,1469	
300x800	Nominal		0,1864	0,1695	
300x1000	Nominal		0,2360	0,2145	
400x600	Nominal		0,1893	0,1721	
400x700	Nominal		0,2234	0,2031	
400x800	Nominal		0,2574	0,2340	
400x1000	Nominal		0,3255	0,2959	
595x295	External frame	0,0327	0,1095	0,0995	0,0463
595x595	External frame	0,0900	0,2568	0,2335	0,1155
620x620	External frame	0,0995	0,2820	0,2564	0,1273
670x670	External frame	0,1200	0,3357	0,3052	0,1526
1195x595	External frame		0,5515	0,5014	



FILTER HOLDER GRILLES "PUSH/PULL"

TECHNICAL CHARACTERISTICS

USP
SERIES



Size of the grille		external frame		neck		filter			Class
		B (mm)	H (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Thickness (mm)	
400x400	Nominal	432	432	384	384	347	347	15	G3
500x500	Nominal	532	532	484	484	447	447	15	G3
600x600	Nominal	632	632	584	584	547	547	15	G3
600x400	Nominal	632	432	584	384	547	347	15	G3
800x400	Nominal	832	432	784	384	747	347	15	G3
1000x200	Nominal	1032	232	984	184	947	147	15	G3
1000x300	Nominal	1032	332	984	284	947	247	15	G3
1000x400	Nominal	1032	432	984	384	947	347	15	G3
200x600 (*)	Nominal	232	632	184	584	147	547	15	G3
200x700 (*)	Nominal	232	732	184	684	147	647	15	G3
200x800 (*)	Nominal	232	832	184	784	147	747	15	G3
200x1000 (*)	Nominal	232	1032	184	984	147	947	15	G3
300x600 (*)	Nominal	332	632	284	584	247	547	15	G3
300x700 (*)	Nominal	332	732	284	684	247	647	15	G3
300x800 (*)	Nominal	332	832	284	784	247	747	15	G3
300x1000 (*)	Nominal	332	1032	284	984	247	947	15	G3
400x600 (*)	Nominal	432	632	384	584	347	547	15	G3
400x700 (*)	Nominal	432	732	384	684	347	647	15	G3
400x800 (*)	Nominal	432	832	384	784	347	747	15	G3
400x1000 (*)	Nominal	432	1032	384	984	347	947	15	G3
595x295	External frame	595	295	547	247	510	210	15	G3
595x595	External frame	595	595	547	547	510	510	15	G3
620x620	External frame	620	620	572	572	536	536	15	G3
670x670	External frame	670	670	622	622	585	585	15	G3
1195x595 (*)	External frame	1195	595	1147	547	1110	510	15	G3

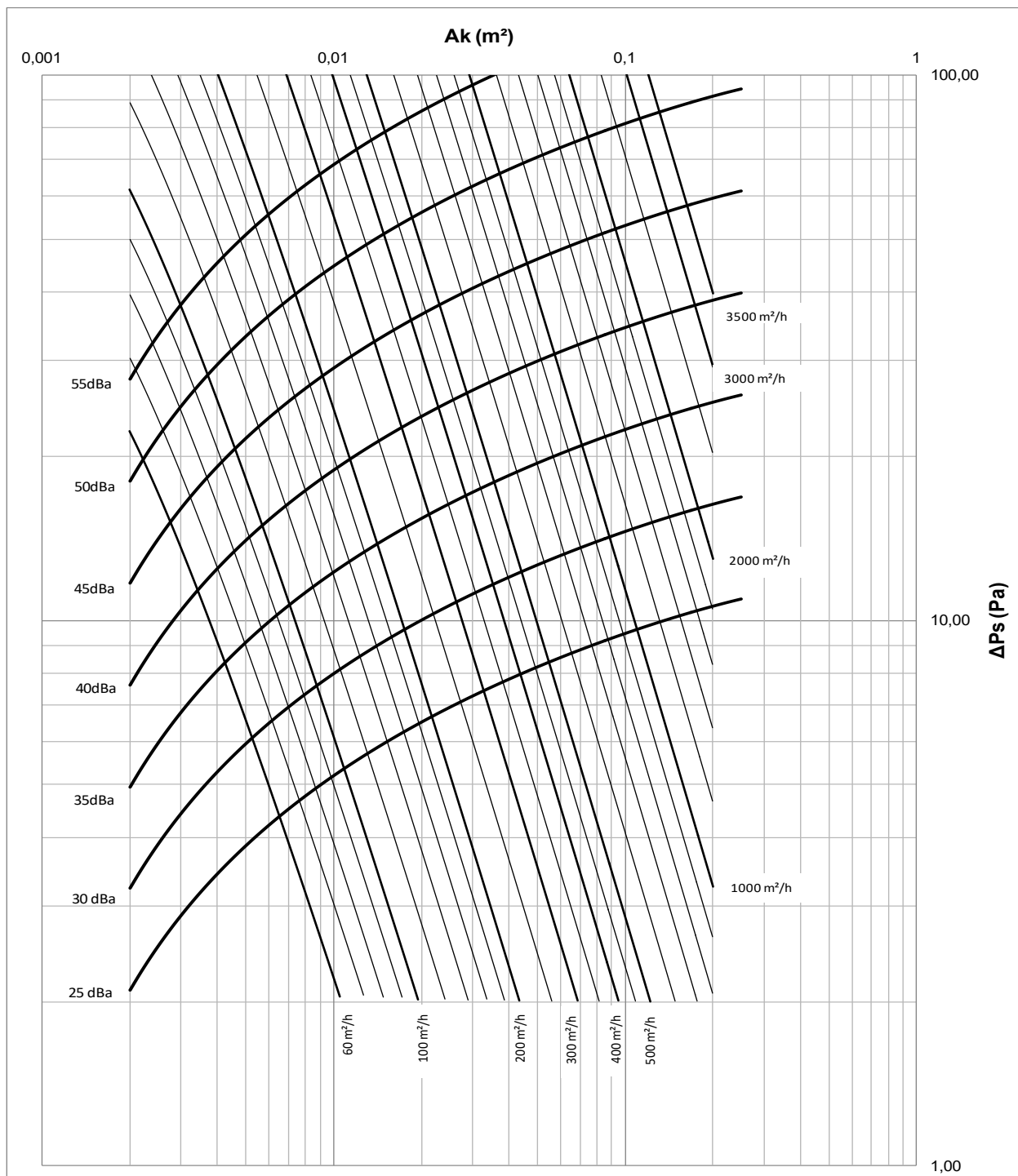
(*) Only versions USP-Q0 and USPQ4 screen with square mesh in aluminium



FILTER HOLDER GRILLES "PUSH/PULL"

USP-R
WITHOUT FILTER

USP
SERIES

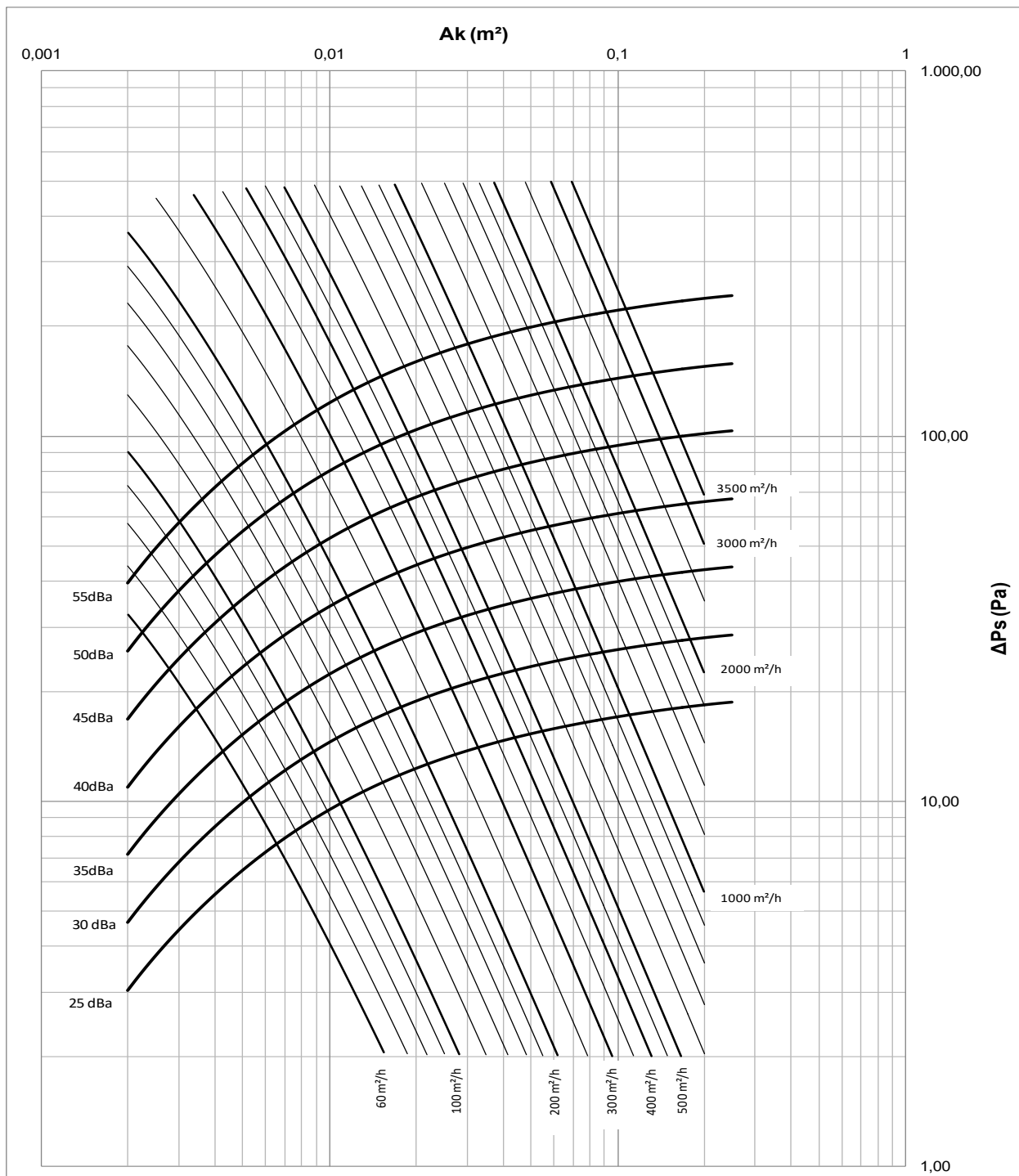


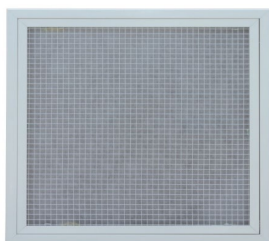


FILTER HOLDER GRILLES "PUSH/PULL"

USP-R
WITH FILTER

USP
SERIES

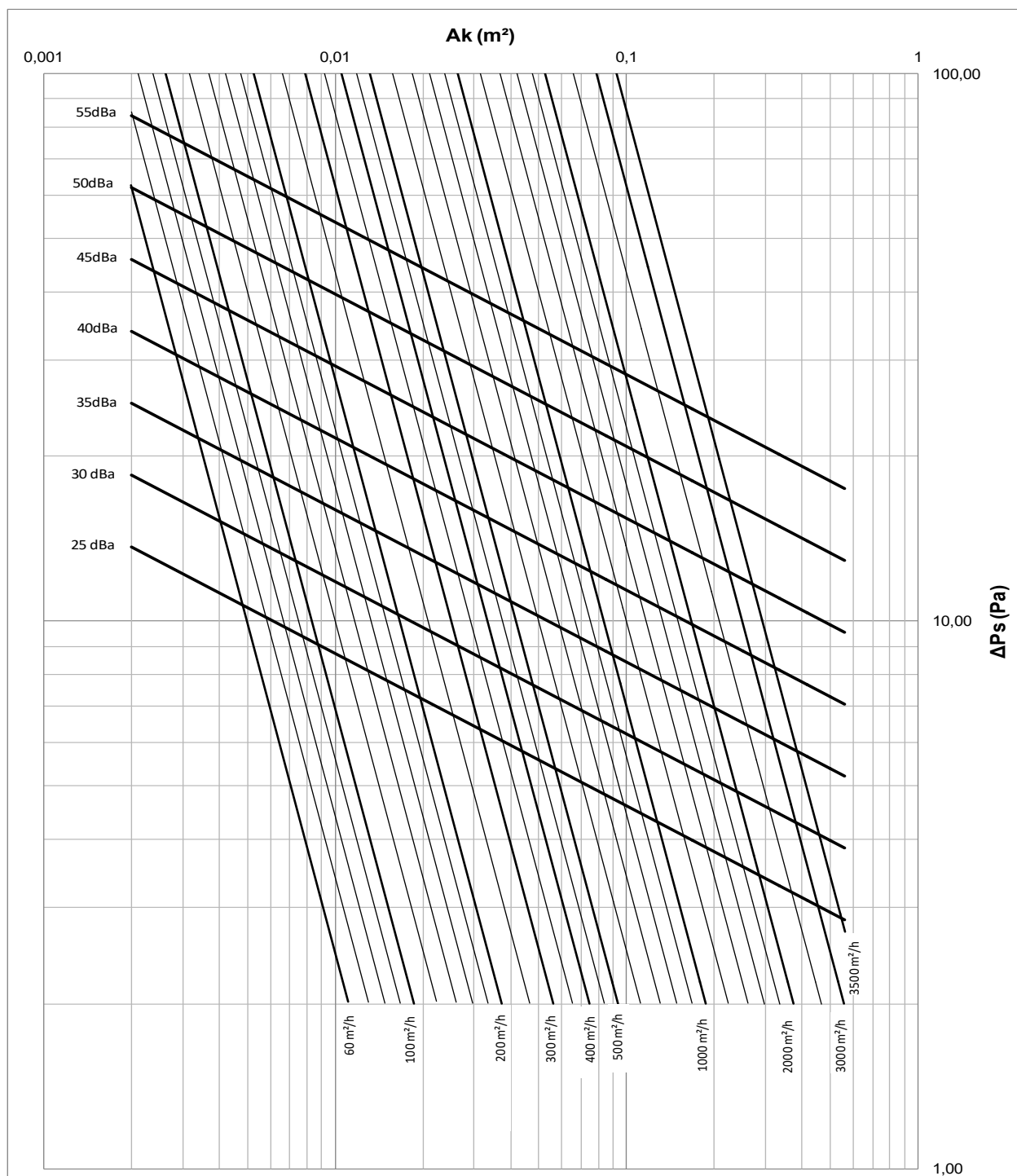


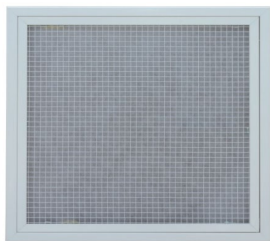


FILTER HOLDER GRILLES "PUSH/PULL"

USP-Q0 USP-Q4
WITHOUT FILTER

USP
SERIES

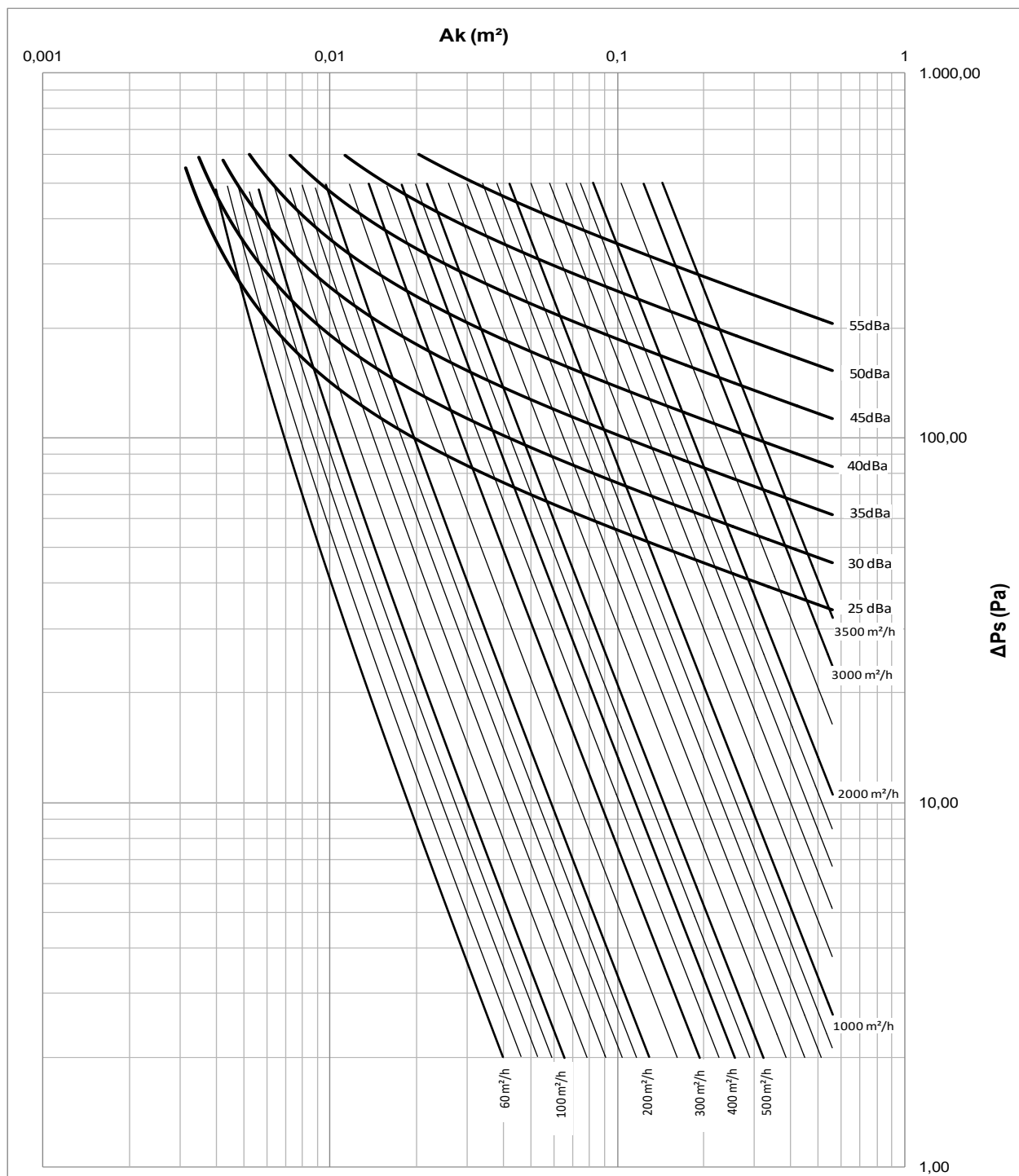


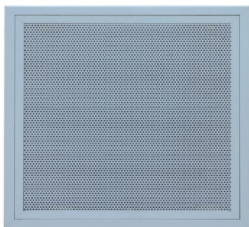


FILTER HOLDER GRILLES "PUSH/PULL "

USP-Q0 USP-Q4
WITH FILTER

USP
SERIES

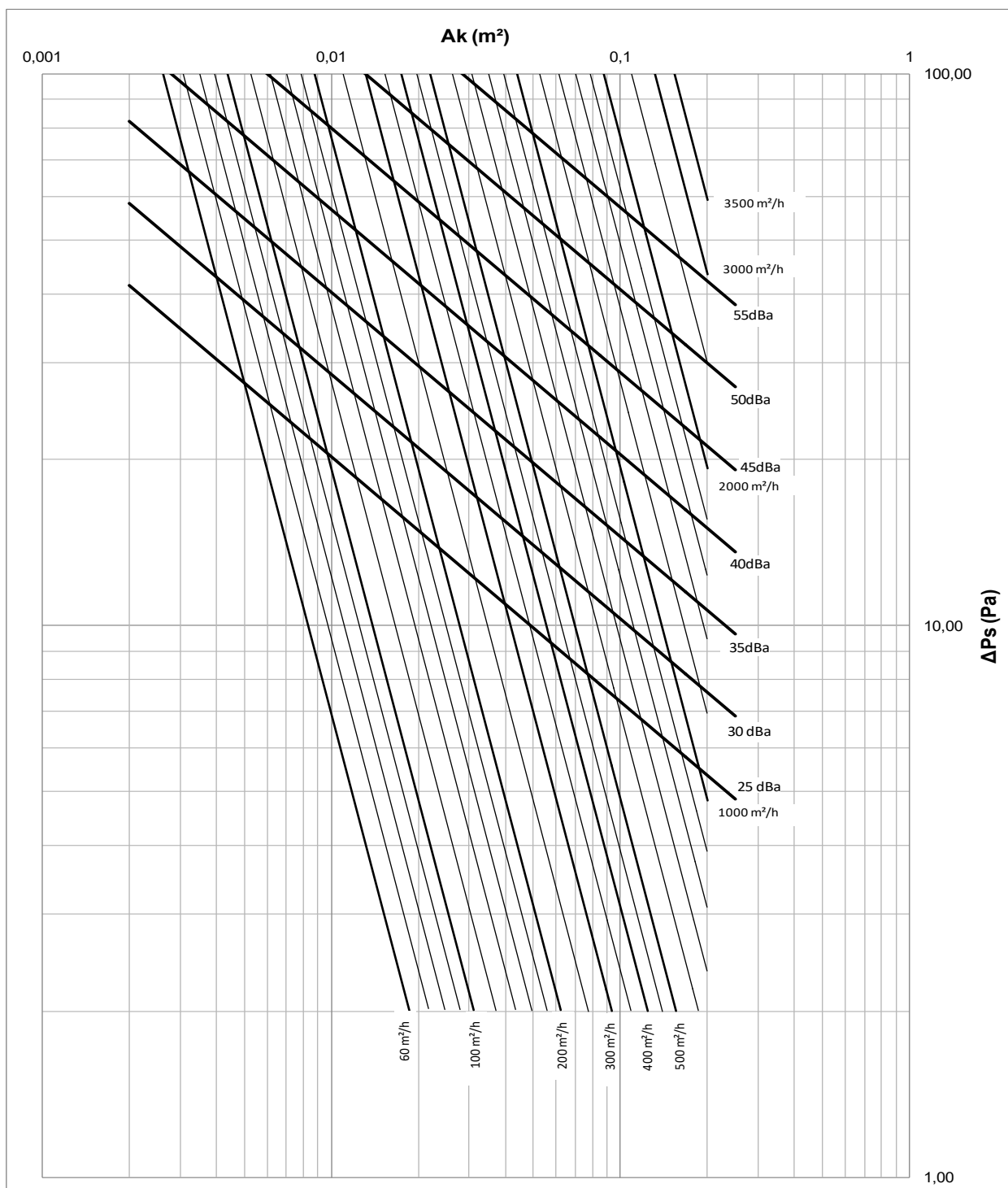


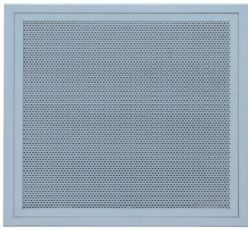


FILTER HOLDER GRILLES "PUSH/PULL"

USP-L
WITHOUT FILTER

USP
SERIES

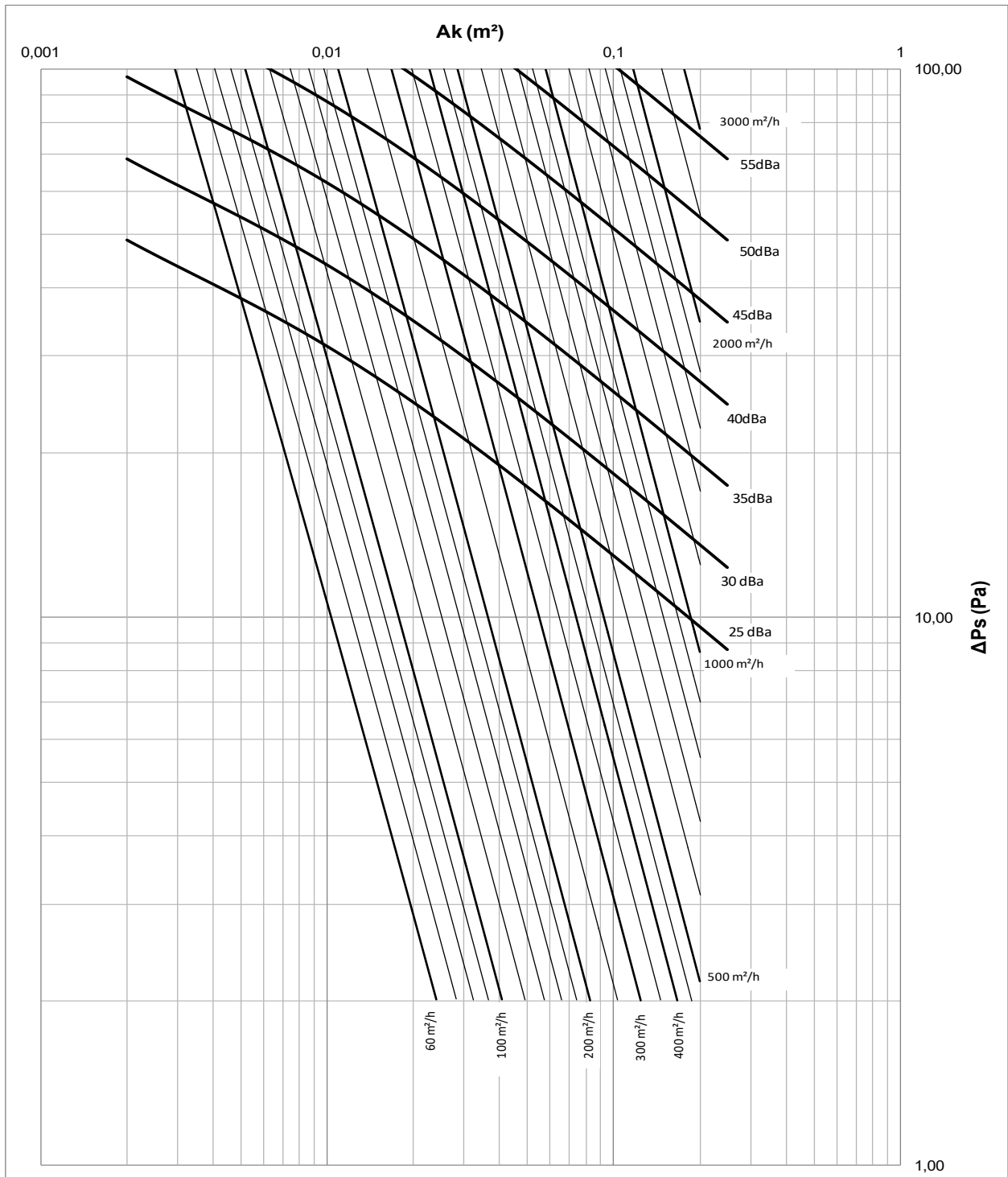


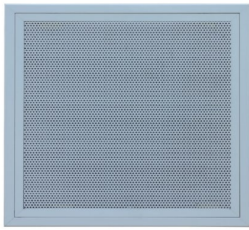


FILTER HOLDER GRILLES "PUSH/PULL"

USP-L
WITH FILTER

USP
SERIES

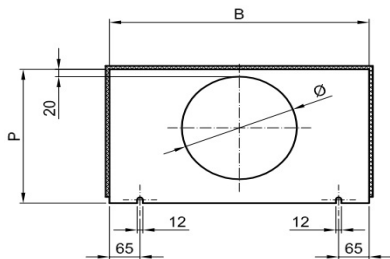




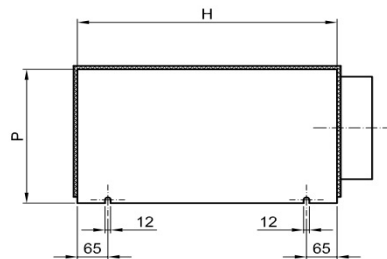
FILTER HOLDER GRILLES "PUSH/PULL"

PLENUM

USP SERIES



PP90USP



PP91USP

CHARACTERISTICS:

MATERIALS :

The plenum is manufactured from galvanized sheet steel, external insulation has fire reaction class 1.

MOUNTING OF PLENUM :

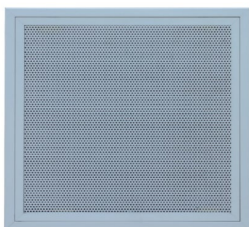
The plenums are fixed and adjusted to the ceiling by threaded bars, putted into suitable supports.

MOUNTING OF THE GRILLE:

The grilles are attached to the plenum with rivets or screws with a maximum length 7mm, directly between the neck of the diffuser and plenum.

Ensure that the rivets or screws will not hinder the opening of the grid, in particular on the plenum near the axis of rotation, Ensure that the rivets or screws do not show sharp spikes or dangerous parts when changing the filter, if necessary protect them with suitable rubber caps.

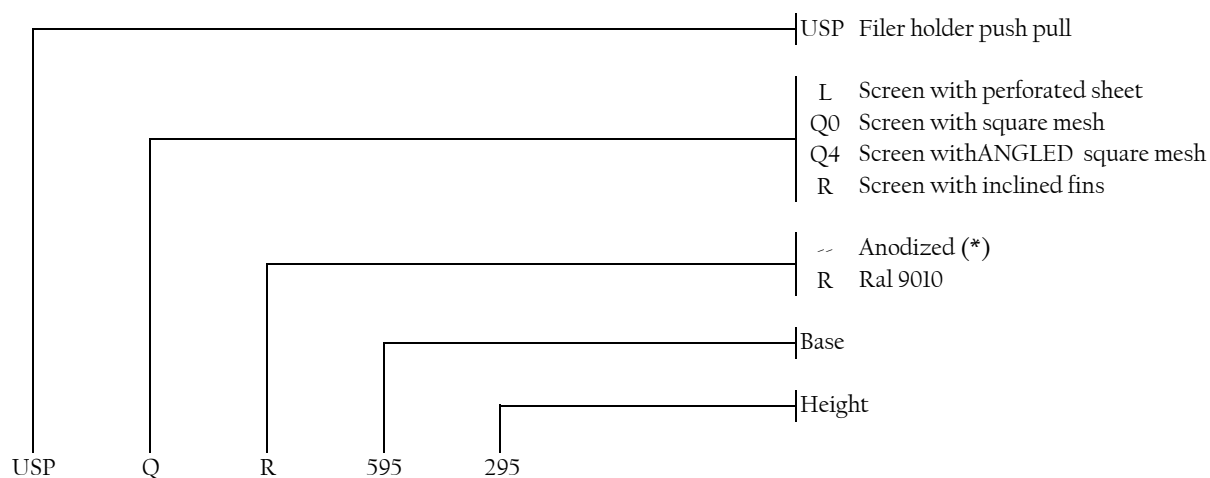
Size of the grille		B [mm]	H [mm]	P [mm]	N. of connections	Ø [mm]	material of the connection	suitable versions
400x400	Nominal	389	389	280	1	200	ABS or steel	PP90+PP91
500x500	Nominal	489	489	330	1	250	ABS or steel	PP90+PP91
600x600	Nominal	589	589	390	1	315	steel	PP90+PP91
600x400	Nominal	589	389	330	1	250	ABS or steel	PP90+PP91
800x400	Nominal	789	389	390	1	315	steel	PP90+PP91
1000x200	Nominal	989	189	330	1	250	ABS or steel	PP90
1000x300	Nominal	989	289	390	1	315	steel	PP90
1000x400	Nominal	989	389	430	1	355	steel	PP90
200x600	Nominal	189	589	280	1	200	ABS or steel	PP90
200x700	Nominal	189	689	280	1	200	ABS or steel	PP90
200x800	Nominal	189	789	280	1	200	ABS or steel	PP90
200x1000	Nominal	189	989	330	1	250	ABS or steel	PP90
300x600	Nominal	289	589	330	1	250	ABS or steel	PP90
300x700	Nominal	289	689	330	1	250	ABS or steel	PP90
300x800	Nominal	289	789	330	1	250	ABS or steel	PP90
300x1000	Nominal	289	989	390	1	315	steel	PP90
400x600	Nominal	389	589	330	1	250	ABS or steel	PP90+PP91
400x700	Nominal	389	689	390	1	315	steel	PP90+PP91
400x800	Nominal	389	789	390	1	315	steel	PP90+PP91
400x1000	Nominal	389	989	390	1	315	steel	PP90+PP91
595x295	External frame	553	253	280	1	200	ABS or steel	PP90+PP91
595x595	External frame	553	553	390	1	315	steel	PP90+PP91
620x620	External frame	578	578	390	1	315	steel	PP90+PP91
670x670	External frame	628	628	430	1	355	steel	PP90+PP91
1195x595	External frame	1153	553	390	2	315	steel	PP90+PP91



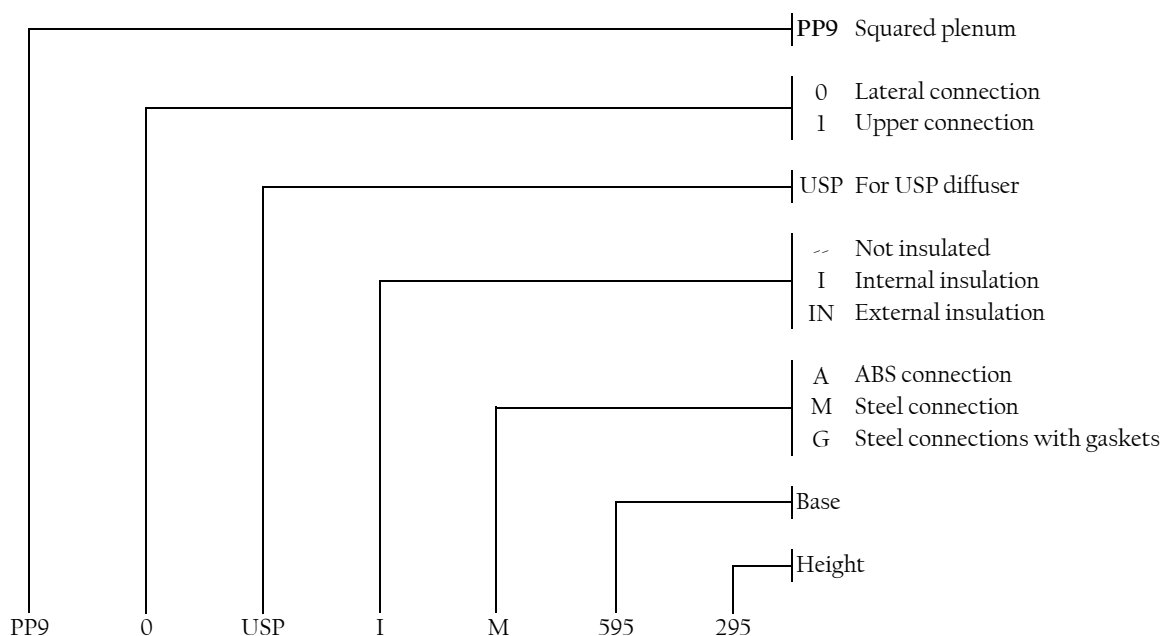
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USP
SERIES

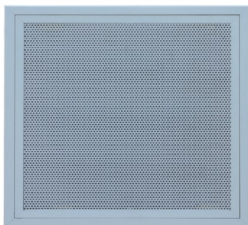
HOW TO ORDER



(*) Not available for USP-L
The code refers to the filter holder grille
The filter must be ordered separately



ABS connection available for diameters up to 250
Check the versions available for each grille size by referring to the table on the previous page



FILTER HOLDER GRILLES "PUSH/PULL"

USP
SERIES

HOW TO ORDER

Size of the grille		Code of the filter	Size	Class
400x400	Nominal	FP15USP-347347	347x347x15	G3
500x500	Nominal	FP15USP-447447	447x447x15	G3
600x600	Nominal	FP15USP-547547	547x547x15	G3
600x400	Nominal	FP15USP-547347	547x347x15	G3
800x400	Nominal	FP15USP-747347	747x347x15	G3
1000x200	Nominal	FP15USP-947147	947x147x15	G3
1000x300	Nominal	FP15USP-947247	947x247x15	G3
1000x400	Nominal	FP15USP-947347	947x347x15	G3
200x600 (*)	Nominal	FP15USP-147547	147x547x15	G3
200x700 (*)	Nominal	FP15USP-147647	147x647x15	G3
200x800 (*)	Nominal	FP15USP-147747	147x747x15	G3
200x1000 (*)	Nominal	FP15USP-147947	147x947x15	G3
300x600 (*)	Nominal	FP15USP-247547	247x547x15	G3
300x700 (*)	Nominal	FP15USP-247647	247x647x15	G3
300x800 (*)	Nominal	FP15USP-247747	247x747x15	G3
300x1000 (*)	Nominal	FP15USP-247947	247x947x15	G3
400x600 (*)	Nominal	FP15USP-347547	347x547x15	G3
400x700 (*)	Nominal	FP15USP-347647	347x647x15	G3
400x800 (*)	Nominal	FP15USP-347747	347x747x15	G3
400x1000 (*)	Nominal	FP15USP-347947	347x947x15	G3
595x295	External frame	FP15USP-510210	510x210x15	G3
595x595	External frame	FP15USP-510510	510x510x15	G3
620x620	External frame	FP15USP-536536	536x536x15	G3
670x670	External frame	FP15USP-585585	585x585x15	G3
1195x595 (*)	External frame	FP15USP-1110510	1110x510x15	G3

(*) Only versions USP-Q0 and USPQ4 screen with square mesh in aluminium

INSPECTION AND MAINTENANCE

We recommend to check the filter condition at least every six months.

Replace the filter if necessary and dispose of in accordance to local legislation separating the metal structure from the filter media.

UNSUITABLE ENVIRONMENTS

The aluminum products are not suitable for installation in environments with an atmosphere containing corrosive substances for this material and in particular containing chlorine, such as swimming pools, spas and some types of food industries.

