



LINEAR GRILLES THIN FRAME WITH FIXED BLADES

OVERVIEW

UF6
UF9
SERIES

UF6 - UF9: Linear grilles with fixed blades in anodised extruded aluminium with thin frame without border (UF6) or with border (UF9).

CHARACTERISTICS:

Frame: when foreseen, made from extruded aluminium, 6 or 9 mm wide constructed in four parts connected invisibly by mechanical assembly.

Frontal blades: made of extruded aluminium with 12.5 mm spacing and shape for orthogonal or 15° angled throw, connected to each other and to the frame by two or more vertical pipes.

Rear fins: when foreseen, made of extruded aluminium with 20 mm spacing, inserted into a plastic guide support incorporated into the frame.

Damper, optional: all-steel, with multiple fins with opposing movement.

UF6 series grilles with frame without border are also available with removable front blades.

Grille installation:

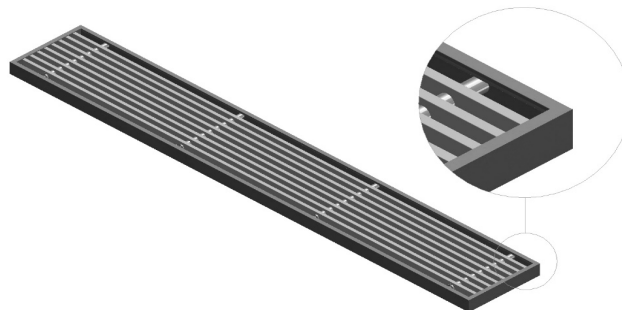
with swivelling clamps;
with hidden screw system "U-FIX";
with mounting bridge.

Finish: available in natural anodised aluminium or powder-coated RAL 9010,

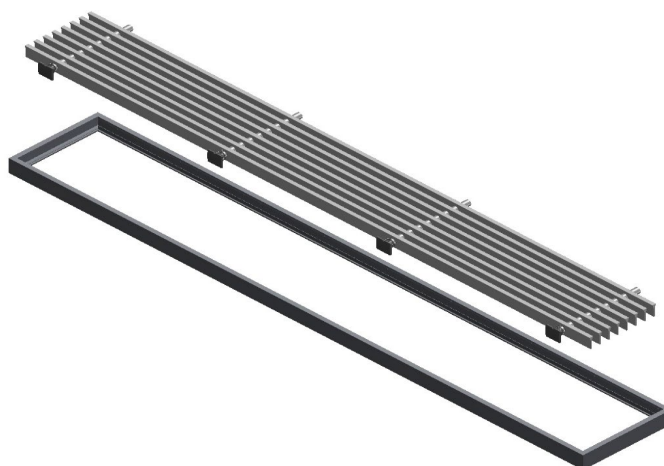
Other types of painting available on request.

UNSUITABLE ENVIRONMENTS

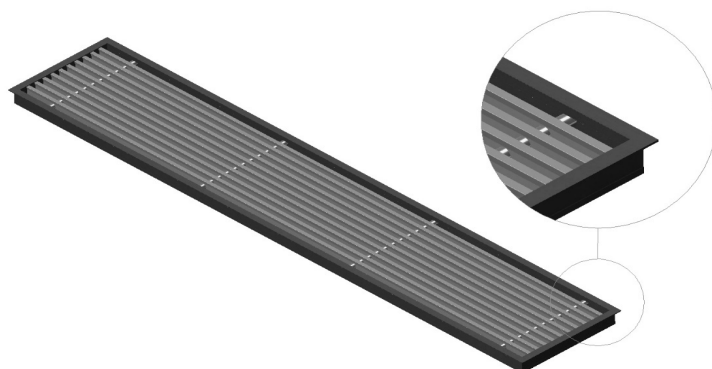
The aluminum products are not suitable for installation in environments with an atmosphere containing corrosive substances for this material and in particular containing chlorine, such as swimming pools, spas and some types of food industries.



UF6 frame without border



UF6 frame without border and removable blades



UF9 frame with border



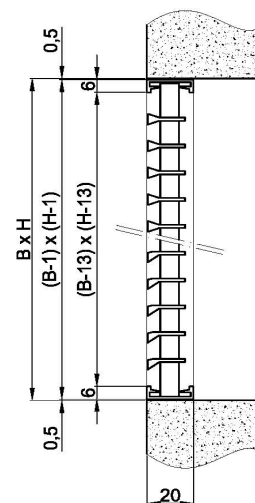
LINEAR GRILLES THIN FRAME WITH FIXED BLADES

OVERVIEW

UF6
UF9
SERIES

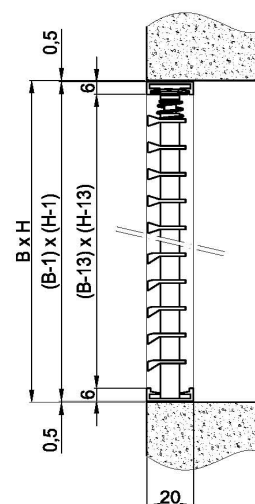
UF6 ... SF ... N

Grille with frame without border



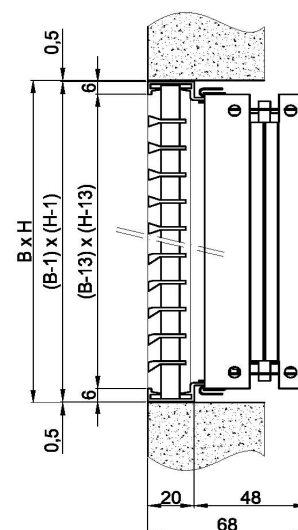
UF6 ... SE ... N

Grille with frame without border
one row of removable fixed blades



UF6 ... DF ... S

Grille with frame without border
one row of non removable fixed blades
prepared for damper





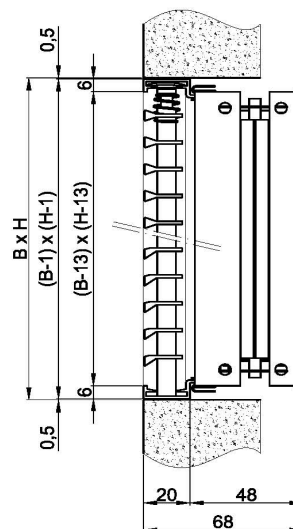
LINEAR GRILLES THIN FRAME WITH FIXED BLADES

OVERVIEW

UF6 UF9 SERIES

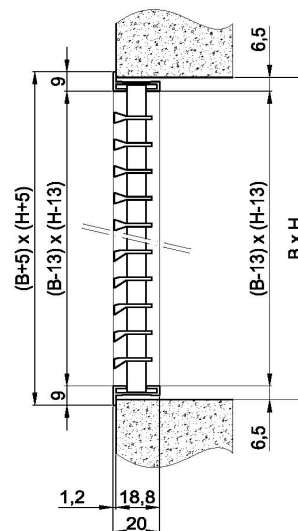
UF6 ... DE ... S

Grille with frame without border
one row of removable fixed blades
prepared for damper



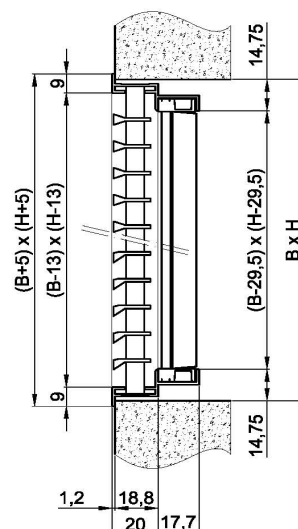
UF9 ... SF ... N

Grille with frame with border
one row of non removable fixed blades



UF9 ... VF ... N

Grille with frame with border
one row of non removable fixed blades
second row of individually adjustable blades
prepared for damper





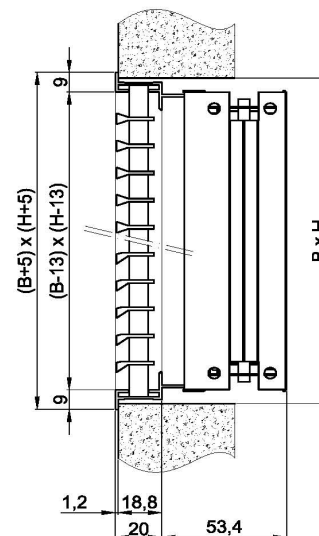
LINEAR GRILLES THIN FRAME WITH FIXED BLADES

OVERVIEW

UF6
UF9
SERIES

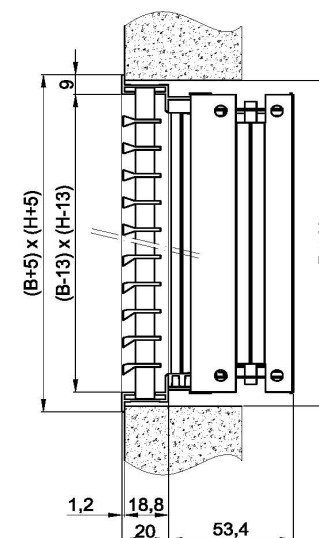
UF9 ... DF ... S

Grille with frame with border
one row of non removable fixed blades
prepared for damper



UF9 ... VF ... S

Grille with frame with border
one row of non removable fixed blades
and second row of individually adjustable blades
with damper





LINEAR GRILLES **THIN FRAME** **WITH FIXED BLADES**

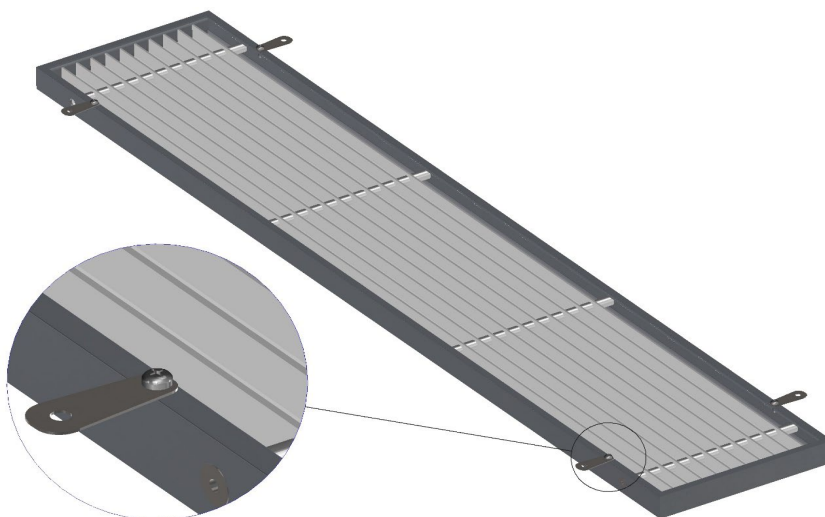
UF6
SERIES

FIXING METODS

UF6 ... SFNN non removable blades

UF6 ... SENN removable blades
with fixing brakets

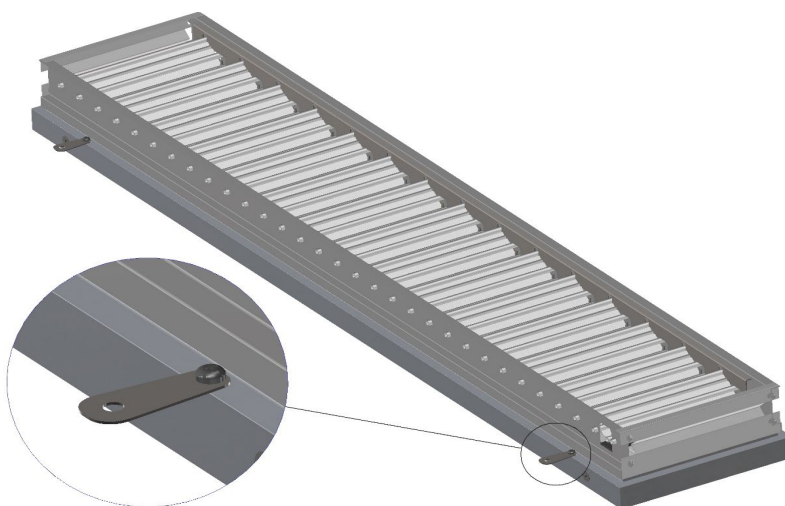
Kit 4 fixing brakets code UF6-9FIX



UF6 ... DFNS non removable blades

UF6 ... DENS removable blades
with regulation damper
with fixing brakets

Kit 4 fixing brakets code UF6-9FIX





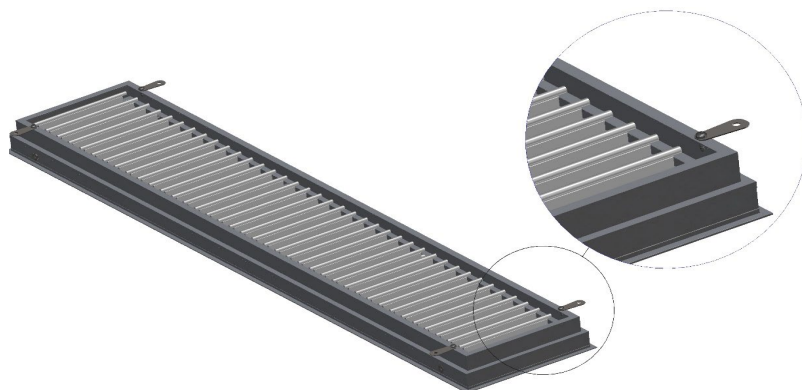
LINEAR GRILLES THIN FRAME WITH FIXED BLADES

FIXING METODS

UF9 SERIES

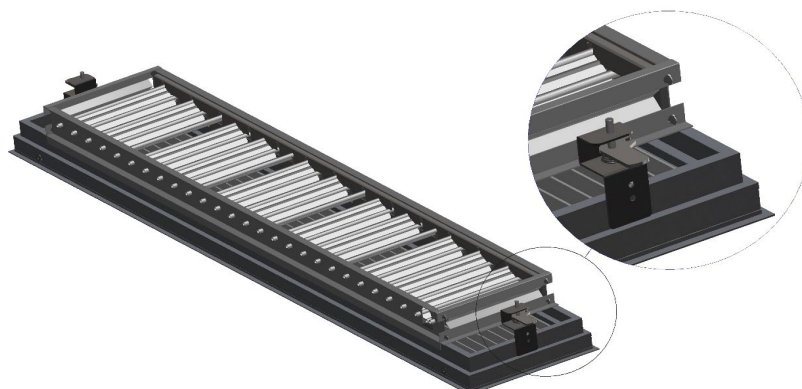
**UF9 ... SFNN single row
UF9 ... VFNN two rows
with fixing brakets**

Kit 4 fixing brakets code UF6-9FIX



**UF9 ... DFUN single row
UF9 ... VFUN two rows
UF9 ... DFUU sinle row and damper
UF9 ... VFUU two rows and damper**

with U-FIX joust mounted



**UF9 ... SFPN single row
UF9 ... VFPN two rows
UF9 ... DFPU single row and damper
UF9 ... VFPU two rows and damper**

with mounting bridges jous mounted





**LINEAR GRILLES
THIN FRAME
WITH FIXED BLADES
QUICK SELECTION**

**UF6
UF9
SERIES**

Model 8		Air flow rate																		
		m³/h	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400
		l/s	(28)	(42)	(56)	(69)	(83)	(97)	(111)	(125)	(139)	(167)	(194)	(222)	(250)	(278)	(306)	(333)	(361)	(389)
UF0A 200x100 (0,0151)	L _{WA} [dB(A)]	<20	25	35	41	47														
	V _k [m/s]	1,9	2,8	3,7	4,6	5,5														
	Δp _t [Pa]	4	8	15	22	33														
	L 0,2 [m]	3,5	5,2	7	8,6	10,3														
UF0A 300x100 (0,0232)	L _{WA} [dB(A)]		<20	22	28	34	39	44	47											
	V _k [m/s]		1,8	2,4	3	3,6	4,2	4,8	5,4											
	Δp _t [Pa]		4	6	10	14	19	25	31											
	L 0,2 [m]		4,2	5,6	6,9	8,3	9,7	11,1	12,6											
UF0A 400x100 (0,0313)	L _{WA} [dB(A)]			<20	20	25	30	35	38	42	48									
	V _k [m/s]			1,8	2,2	2,7	3,1	3,5	4	4,4	5,3									
	Δp _t [Pa]			3	5	8	10	14	17	21	31									
	L 0,2 [m]			4,8	6	7,2	8,4	9,6	10,8	12	14,4									
UF0A 500x100 (0,0394)	L _{WA} [dB(A)]				<20	<20	24	28	32	35	41	46	50							
	V _k [m/s]				1,8	2,1	2,5	2,8	3,2	3,5	4,2	4,9	5,6							
	Δp _t [Pa]				3	5	7	9	11	13	19	26	34							
	L 0,2 [m]				5,3	6,4	7,5	8,6	9,6	10,7	12,9	15	17,1							
UF0A 600x100 (0,0475)	L _{WA} [dB(A)]					<20	<20	22	26	29	35	40	44	48						
	V _k [m/s]					1,7	2	2,3	2,6	2,9	3,5	4,1	4,7	5,3						
	Δp _t [Pa]					3	5	6	7	9	13	18	24	30						
	L 0,2 [m]					5,8	6,8	7,8	8,8	9,8	11,7	13,6	15,6	17,6						
UF0A 800x100 (0,0637)	L _{WA} [dB(A)]							<20	<20	21	27	31	36	39	43	46	49			
	V _k [m/s]							1,7	2	2,2	2,6	3	3,5	3,9	4,4	4,8	5,2			
	Δp _t [Pa]							3	4	5	7	10	13	17	21	25	30			
	L 0,2 [m]							6,7	7,6	8,4	10,1	11,8	13,5	15,2	16,9	18,6	>20			
UF0A 300x150 (0,0366)	L _{WA} [dB(A)]				<20	21	26	30	34	37	43	48								
	V _k [m/s]				1,9	2,3	2,7	3	3,4	3,8	4,6	5,3								
	Δp _t [Pa]				4	6	8	10	13	16	23	30								
	L 0,2 [m]				5,5	6,6	7,8	8,9	10	11,1	13,4	15,5								
UF0A 400x150 (0,0493)	L _{WA} [dB(A)]					<20	<20	21	25	28	34	39	43	47	50					
	V _k [m/s]					1,7	2	2,3	2,5	2,8	3,4	3,9	4,5	5,1	5,6					
	Δp _t [Pa]					3	4	5	7	9	12	17	22	28	34					
	L 0,2 [m]					5,7	6,7	7,6	8,6	9,6	11,5	13,4	15,3	17,2	19,2					
UF0A 500x150 (0,062)	L _{WA} [dB(A)]						<20	<20	<20	21	27	32	36	40	44	47	49			
	V _k [m/s]						1,6	1,8	2	2,2	2,7	3,1	3,6	4	4,5	4,9	5,4			
	Δp _t [Pa]						3	3	4	5	8	11	14	18	22	26	31			
	L 0,2 [m]						6	6,8	7,7	8,5	10,3	11,9	13,6	15,4	17,1	18,8	>20			
UF0A 600x150 (0,0748)	L _{WA} [dB(A)]								<20	<20	22	27	31	35	38	41	44	46	49	
	V _k [m/s]								1,7	1,9	2,2	2,6	3	3,3	3,7	4,1	4,5	4,8	5,2	
	Δp _t [Pa]								3	4	5	7	10	12	15	18	21	25	29	
	L 0,2 [m]								7	7,8	9,3	10,9	12,4	14	15,6	17,1	18,6	>20	>20	

10 ≤ L_{WA} < 30

30 ≤ L_{WA} < 40

40 ≤ L_{WA} < 50



**LINEAR GRILLES
THIN FRAME
WITH FIXED BLADES
QUICK SELECTION**

**UF6
UF9
SERIES**

Model A _k [m ²]		Air flow rate																		
		m ³ /h	400	500	700	900	1100	1300	1500	1700	1900	2100	2300	2500	2700	2900	3100	3300	3500	3700
		l/s	(111)	(139)	(194)	(250)	(306)	(361)	(417)	(472)	(528)	(583)	(639)	(694)	(750)	(806)	(861)	(917)	(972)	(1028)
UF6 800x150 (0,1003)	L _{WA} [dB(A)]				<20	26	32	38	42	46	50									
	V _k [m/s]				1,9	2,5	3,1	3,6	4,2	4,7	5,3									
	Δp _t [Pa]				4	7	10	14	19	24	30									
	L 0,2 [m]				9,4	12,1	14,8	17,4	>20	>20	>20									
UF6 400x200 (0,0673)	L _{WA} [dB(A)]	<20	<20	30	38	44	49													
	V _k [m/s]	1,6	2,1	2,9	3,7	4,5	5,4													
	Δp _t [Pa]	3	5	9	15	22	31													
	L 0,2 [m]	6,5	8,2	11,4	14,7	18	>20													
UF6 500x200 (0,0847)	L _{WA} [dB(A)]		<20	23	31	37	43	47												
	V _k [m/s]		1,6	2,3	3	3,6	4,3	4,9												
	Δp _t [Pa]		3	6	9	14	20	26												
	L 0,2 [m]		7,3	10,2	13,1	16,1	19	>20												
UF6 600x200 (0,1021)	L _{WA} [dB(A)]			<20	25	32	37	42	46	49										
	V _k [m/s]			1,9	2,4	3	3,5	4,1	4,6	5,2										
	Δp _t [Pa]			4	6	10	14	18	23	29										
	L 0,2 [m]			9,3	12	14,7	17,3	20	>20	>20										
UF6 800x200 (0,1369)	L _{WA} [dB(A)]				<20	23	28	33	37	40	44	47	49							
	V _k [m/s]				1,8	2,2	2,6	3	3,4	3,9	4,3	4,7	5,1							
	Δp _t [Pa]				4	5	8	10	13	16	20	24	28							
	L 0,2 [m]				10,3	12,7	14,9	17,2	19,5	>20	>20	>20	>20							
UF6 500x300 (0,13)	L _{WA} [dB(A)]			<20	<20	25	30	34	38	42	45	48								
	V _k [m/s]			1,5	1,9	2,4	2,8	3,2	3,6	4,1	4,5	4,9								
	Δp _t [Pa]			2	4	6	8	11	14	18	22	26								
	L 0,2 [m]			8,2	10,6	13	15,3	17,7	20	>20	>20	>20								
UF6 600x300 (0,1567)	L _{WA} [dB(A)]				<20	<20	24	29	33	36	40	43	45	48	50					
	V _k [m/s]				1,6	2	2,3	2,7	3	3,4	3,7	4,1	4,4	4,8	5,1					
	Δp _t [Pa]				3	4	6	8	10	12	15	18	21	25	29					
	L 0,2 [m]				9,7	11,8	14	16,1	18,2	>20	>20	>20	>20	>20	>20					
UF6 800x300 (0,2101)	L _{WA} [dB(A)]					<20	<20	20	24	28	31	34	36	39	41	43	45	47	49	
	V _k [m/s]					1,5	1,7	2	2,2	2,5	2,8	3	3,3	3,6	3,8	4,1	4,4	4,6	4,9	
	Δp _t [Pa]					2	3	4	5	7	8	10	12	14	16	18	21	23	26	
	L 0,2 [m]					10,2	12,1	13,9	15,8	17,6	19,5	>20	>20	>20	>20	>20	>20	>20	>20	

10 ≤ L_{WA} < 30

30 ≤ L_{WA} < 40

40 ≤ L_{WA} < 50

Data valid for:

- Supply air
- Isotherm conditions
- Throw with ceiling effect

Terminology:

- A_k = effective free area
- V_k = effective face velocity
- Δp_t = total pressure loss
- L_{WA} = sound power level

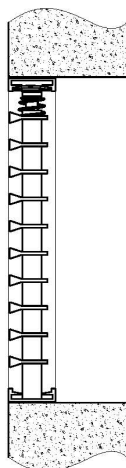
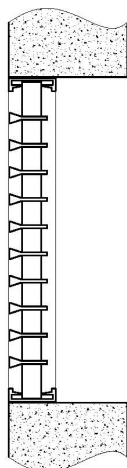
MP3



LINEAR GRILLES THIN FRAME WITH FIXED BLADES

UF6
SERIES

PERFORMANCE
EFFECTIVE AREA A_k



UF6 ... SF ... N

UF6 ... SE ... N

EFFECTIVE AREA A_k [m²]

		BASE [mm]																
		200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
HEIGHT [mm]	50	0,006	0,008	0,010	0,012	0,013	0,015	0,017	0,019	0,020	0,022	0,024	0,025	0,027	0,029	0,031	0,032	0,034
	75	0,011	0,014	0,017	0,019	0,022	0,025	0,028	0,031	0,034	0,037	0,040	0,043	0,045	0,048	0,051	0,054	0,057
	100	0,015	0,019	0,023	0,027	0,031	0,035	0,039	0,043	0,048	0,052	0,056	0,060	0,064	0,068	0,072	0,076	0,080
	150	0,024	0,030	0,037	0,043	0,049	0,056	0,062	0,068	0,075	0,081	0,088	0,094	0,100	0,107	0,113	0,119	0,126
	200	0,033	0,041	0,050	0,059	0,067	0,076	0,085	0,093	0,102	0,111	0,120	0,128	0,137	0,146	0,154	0,163	0,172
	250	0,041	0,052	0,063	0,074	0,085	0,096	0,107	0,118	0,129	0,140	0,151	0,162	0,174	0,185	0,196	0,207	0,218
	300	0,050	0,063	0,077	0,090	0,103	0,117	0,130	0,143	0,157	0,170	0,183	0,197	0,210	0,223	0,237	0,250	0,263
	350	0,059	0,074	0,090	0,106	0,121	0,137	0,153	0,168	0,184	0,200	0,215	0,231	0,247	0,262	0,278	0,294	0,309
	400	0,067	0,085	0,103	0,121	0,139	0,157	0,175	0,193	0,211	0,229	0,247	0,265	0,283	0,301	0,319	0,337	0,355

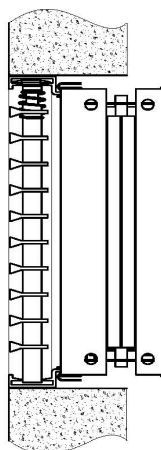
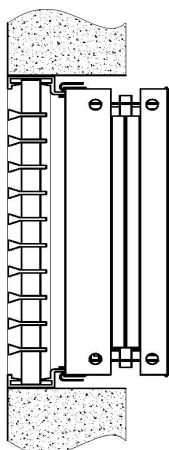
		BASE [mm]									
		1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
HEIGHT [mm]	50	0,036	0,037	0,039	0,041	0,043	0,044	0,046	0,048	0,049	0,051
	75	0,060	0,063	0,066	0,068	0,071	0,074	0,077	0,080	0,083	0,086
	100	0,084	0,088	0,092	0,096	0,100	0,104	0,108	0,112	0,116	0,120
	150	0,132	0,139	0,145	0,151	0,158	0,164	0,170	0,177	0,183	0,190
	200	0,180	0,189	0,198	0,206	0,215	0,224	0,233	0,241	0,250	0,259
	250	0,229	0,240	0,251	0,262	0,273	0,284	0,295	0,306	0,317	0,328
	300	0,277	0,290	0,304	0,317	0,330	0,344	0,357	0,370	0,384	0,397
	350	0,325	0,341	0,356	0,372	0,388	0,403	0,419	0,435	0,450	0,466
	400	0,373	0,391	0,409	0,427	0,445	0,463	0,481	0,499	0,517	0,535



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UF6
SERIES

PERFORMANCE
EFFECTIVE AREA A_k



UF6 ... DF ... S

UF6 ... DE ... S

The values of pressure drop and sound power shown in the diagrams refer to the condition of completely open damper

EFFECTIVE AREA A_k [m²]

HEIGHT [mm]	BASE [mm]																
	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
50	0,005	0,007	0,008	0,010	0,011	0,013	0,014	0,016	0,017	0,019	0,020	0,022	0,023	0,024	0,026	0,027	0,029
75	0,010	0,012	0,015	0,018	0,020	0,023	0,025	0,028	0,031	0,033	0,036	0,039	0,041	0,044	0,046	0,049	0,052
100	0,014	0,018	0,021	0,025	0,029	0,033	0,037	0,040	0,044	0,048	0,052	0,056	0,059	0,063	0,067	0,071	0,075
150	0,022	0,028	0,035	0,041	0,047	0,053	0,059	0,065	0,071	0,077	0,083	0,090	0,096	0,102	0,108	0,114	0,120
200	0,031	0,039	0,048	0,056	0,064	0,073	0,081	0,090	0,098	0,107	0,115	0,124	0,132	0,140	0,149	0,157	0,166
250	0,039	0,050	0,061	0,071	0,082	0,093	0,104	0,115	0,125	0,136	0,147	0,158	0,168	0,179	0,190	0,201	0,211
300	0,048	0,061	0,074	0,087	0,100	0,113	0,126	0,139	0,152	0,165	0,179	0,192	0,205	0,218	0,231	0,244	0,257
350	0,056	0,071	0,087	0,102	0,118	0,133	0,149	0,164	0,179	0,195	0,210	0,226	0,241	0,257	0,272	0,287	0,303
400	0,064	0,082	0,100	0,118	0,135	0,153	0,171	0,189	0,206	0,224	0,242	0,260	0,277	0,295	0,313	0,331	0,348

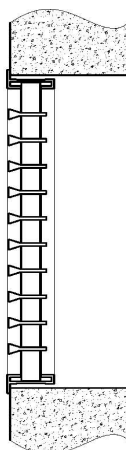
HEIGHT [mm]	BASE [mm]									
	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
50	0,030	0,032	0,033	0,035	0,036	0,038	0,039	0,041	0,042	0,044
75	0,054	0,057	0,060	0,062	0,065	0,068	0,070	0,073	0,075	0,078
100	0,078	0,082	0,086	0,090	0,094	0,097	0,101	0,105	0,109	0,112
150	0,126	0,132	0,139	0,145	0,151	0,157	0,163	0,169	0,175	0,181
200	0,174	0,183	0,191	0,200	0,208	0,216	0,225	0,233	0,242	0,250
250	0,222	0,233	0,244	0,255	0,265	0,276	0,287	0,298	0,308	0,319
300	0,270	0,283	0,296	0,309	0,323	0,336	0,349	0,362	0,375	0,388
350	0,318	0,334	0,349	0,364	0,380	0,395	0,411	0,426	0,442	0,457
400	0,366	0,384	0,402	0,419	0,437	0,455	0,473	0,490	0,508	0,526



LINEAR GRILLES THIN FRAME WITH FIXED BLADES

UF9
SERIES

PERFORMANCE
EFFECTIVE AREA A_k



UF9 ... SF ... N

EFFECTIVE AREA A_k [m²]

		EFFECTIVE AREA A _{eff} [mm ²]																
		BASE [mm]																
HEIGHT [mm]		200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	50	0,007	0,008	0,010	0,012	0,013	0,015	0,017	0,019	0,020	0,022	0,024	0,026	0,027	0,029	0,031	0,032	0,034
	75	0,011	0,014	0,017	0,020	0,022	0,025	0,028	0,031	0,034	0,037	0,040	0,043	0,046	0,048	0,051	0,054	0,057
	100	0,015	0,019	0,023	0,027	0,031	0,036	0,040	0,044	0,048	0,052	0,056	0,060	0,064	0,068	0,072	0,076	0,080
	150	0,024	0,030	0,037	0,043	0,049	0,056	0,062	0,069	0,075	0,081	0,088	0,094	0,100	0,107	0,113	0,120	0,126
	200	0,033	0,041	0,050	0,059	0,067	0,076	0,085	0,094	0,102	0,111	0,120	0,128	0,137	0,146	0,155	0,163	0,172
	250	0,041	0,052	0,063	0,074	0,085	0,096	0,108	0,119	0,130	0,141	0,152	0,163	0,174	0,185	0,196	0,207	0,218
	300	0,050	0,063	0,077	0,090	0,103	0,117	0,130	0,144	0,157	0,170	0,184	0,197	0,210	0,224	0,237	0,250	0,264
	350	0,059	0,074	0,090	0,106	0,121	0,137	0,153	0,169	0,184	0,200	0,216	0,231	0,247	0,263	0,278	0,294	0,310
400	0,067	0,085	0,103	0,121	0,139	0,157	0,175	0,193	0,211	0,230	0,248	0,266	0,284	0,302	0,320	0,338	0,356	

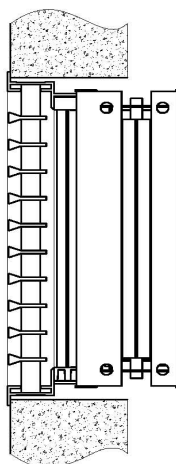
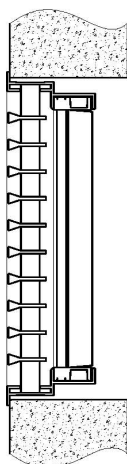
HEIGHT [mm]	BASE [mm]									
	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
50	0,036	0,038	0,039	0,041	0,043	0,045	0,046	0,048	0,050	0,052
75	0,060	0,063	0,066	0,069	0,072	0,075	0,077	0,080	0,083	0,086
100	0,084	0,088	0,092	0,096	0,100	0,104	0,108	0,113	0,117	0,121
150	0,132	0,139	0,145	0,152	0,158	0,164	0,171	0,177	0,183	0,190
200	0,181	0,189	0,198	0,207	0,215	0,224	0,233	0,242	0,250	0,259
250	0,229	0,240	0,251	0,262	0,273	0,284	0,295	0,306	0,317	0,328
300	0,277	0,290	0,304	0,317	0,331	0,344	0,357	0,371	0,384	0,397
350	0,325	0,341	0,357	0,372	0,388	0,404	0,419	0,435	0,451	0,466
400	0,374	0,392	0,410	0,428	0,446	0,464	0,482	0,500	0,518	0,536



LINEAR GRILLES **THIN FRAME** **WITH FIXED BLADES**

UF9
SERIES

PERFORMANCE
EFFECTIVE AREA A_k



UF9 ... DF ... S

UF9 ... VF ... S

The values of pressure drop and sound power shown in the diagrams refer to the condition of completely open damper e secondo rango di alette in posizione verticale

EFFECTIVE AREA A_k [m²]

		BASE [mm]																
		200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
HEIGHT [mm]	50	0,003	0,004	0,005	0,006	0,007	0,008	0,009	0,010	0,011	0,012	0,013	0,014	0,015	0,016	0,017	0,018	0,019
	75	0,007	0,009	0,012	0,014	0,016	0,018	0,020	0,022	0,024	0,026	0,028	0,031	0,033	0,035	0,037	0,039	0,041
	100	0,011	0,015	0,018	0,021	0,024	0,028	0,031	0,034	0,038	0,041	0,044	0,047	0,051	0,054	0,057	0,060	0,064
	150	0,019	0,025	0,030	0,036	0,042	0,047	0,053	0,058	0,064	0,070	0,075	0,081	0,086	0,092	0,098	0,103	0,109
	200	0,027	0,035	0,043	0,051	0,059	0,067	0,075	0,083	0,091	0,099	0,106	0,114	0,122	0,130	0,138	0,146	0,154
	250	0,035	0,045	0,056	0,066	0,076	0,086	0,097	0,107	0,117	0,127	0,138	0,148	0,158	0,168	0,179	0,189	0,199
	300	0,043	0,056	0,068	0,081	0,093	0,106	0,118	0,131	0,144	0,156	0,169	0,181	0,194	0,207	0,219	0,232	0,244
	350	0,051	0,066	0,081	0,096	0,111	0,125	0,140	0,155	0,170	0,185	0,200	0,215	0,230	0,245	0,260	0,275	0,289
	400	0,059	0,076	0,093	0,111	0,128	0,145	0,162	0,179	0,197	0,214	0,231	0,248	0,266	0,283	0,300	0,317	0,335

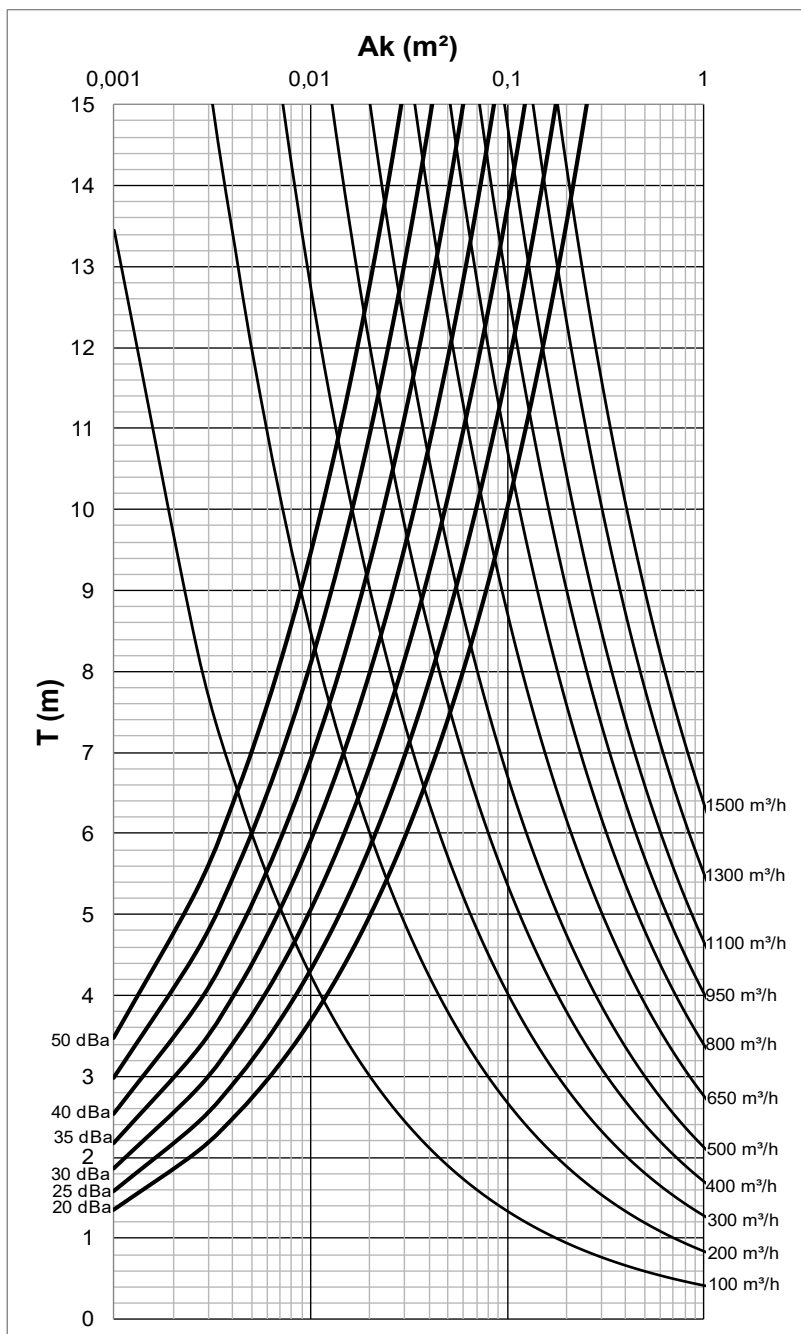
		BASE [mm]									
		1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
HEIGHT [mm]	50	0,020	0,021	0,022	0,022	0,023	0,024	0,025	0,026	0,027	0,028
	75	0,043	0,045	0,048	0,050	0,052	0,054	0,056	0,058	0,060	0,062
	100	0,067	0,070	0,074	0,077	0,080	0,083	0,087	0,090	0,093	0,097
	150	0,115	0,120	0,126	0,131	0,137	0,143	0,148	0,154	0,159	0,165
	200	0,162	0,170	0,178	0,186	0,194	0,202	0,210	0,218	0,225	0,233
	250	0,209	0,220	0,230	0,240	0,250	0,261	0,271	0,281	0,291	0,302
	300	0,257	0,269	0,282	0,295	0,307	0,320	0,332	0,345	0,358	0,370
	350	0,304	0,319	0,334	0,349	0,364	0,379	0,394	0,409	0,424	0,439
	400	0,352	0,369	0,386	0,404	0,421	0,438	0,455	0,472	0,490	0,507



LINEAR GRILLES THIN FRAME WITH FIXED BLADES

PERFORMANCE
SUPPLY VERTICAL THROW

UF6
UF9
SERIES



Throw

Aeraulic data measured in isothermal conditions in accordance with international standard:

ISO 5219 1984: Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.

$T(m) = \text{throw } V_t = 0,2 \text{ m/s}$

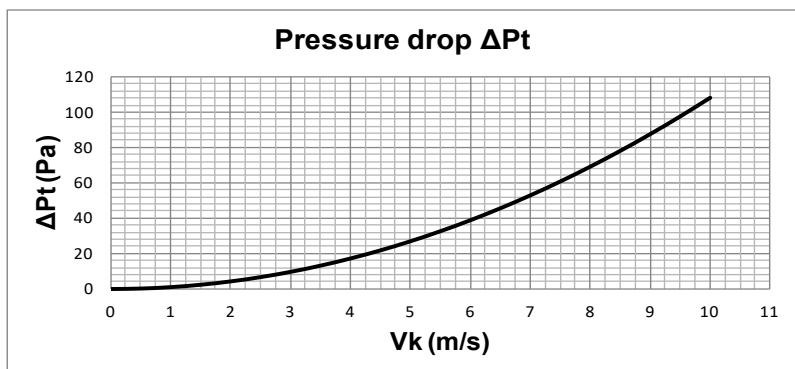
Sound power

Acoustic data measured in reverberation room in accordance with international standard:

ISO 3741 1999: Acoustic - determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms

ISO 5135 1997: Acoustic - determination of sound power levels of noise from air-terminal devices ; air terminal units; dampers and valves by measurement in a reverberation room.

The data in the diagrams does not consider the attenuation due to the installation environment. This attenuation is usually between 6 and 10 dBA and is determined by the size and shape of the environment and the characteristics of the furnishings.



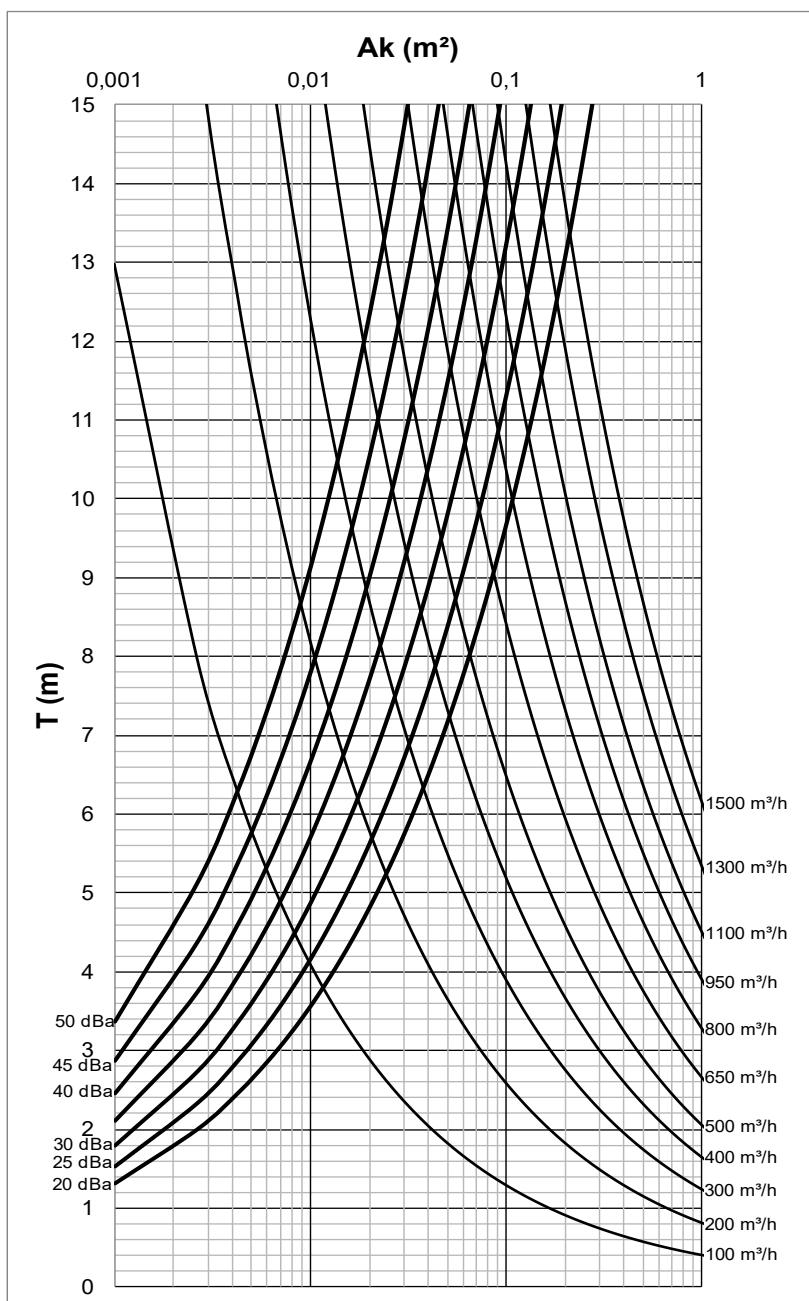
$$V_k \text{ (m/s)} = Q \text{ (m}^3\text{/h)} / 3600 / A_k$$



LINEAR GRILLES THIN FRAME WITH FIXED BLADES

PERFORMANCE
SUPPLY ANGLED THROW

UF6
UF9
SERIES



Throw

Aeraulic data measured in isothermal conditions in accordance with international standard:

ISO 5219 1984: Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.

$$T(m) = \text{throw } V_t = 0,2 \text{ m/s}$$

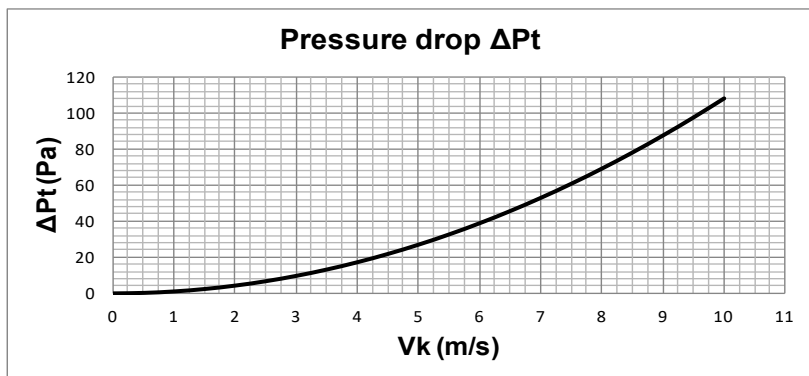
Sound power

Acoustic data measured in reverberation room in accordance with international standard:

ISO 3741 1999: Acoustic - determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms

ISO 5135 1997: Acoustic - determination of sound power levels of noise from air-terminal devices ; air terminal units; dampers and valves by measurement in a reverberation room.

The data in the diagrams does not consider the attenuation due to the installation environment. This attenuation is usually between 6 and 10 dBA and is determined by the size and shape of the environment and the characteristics of the furnishings.



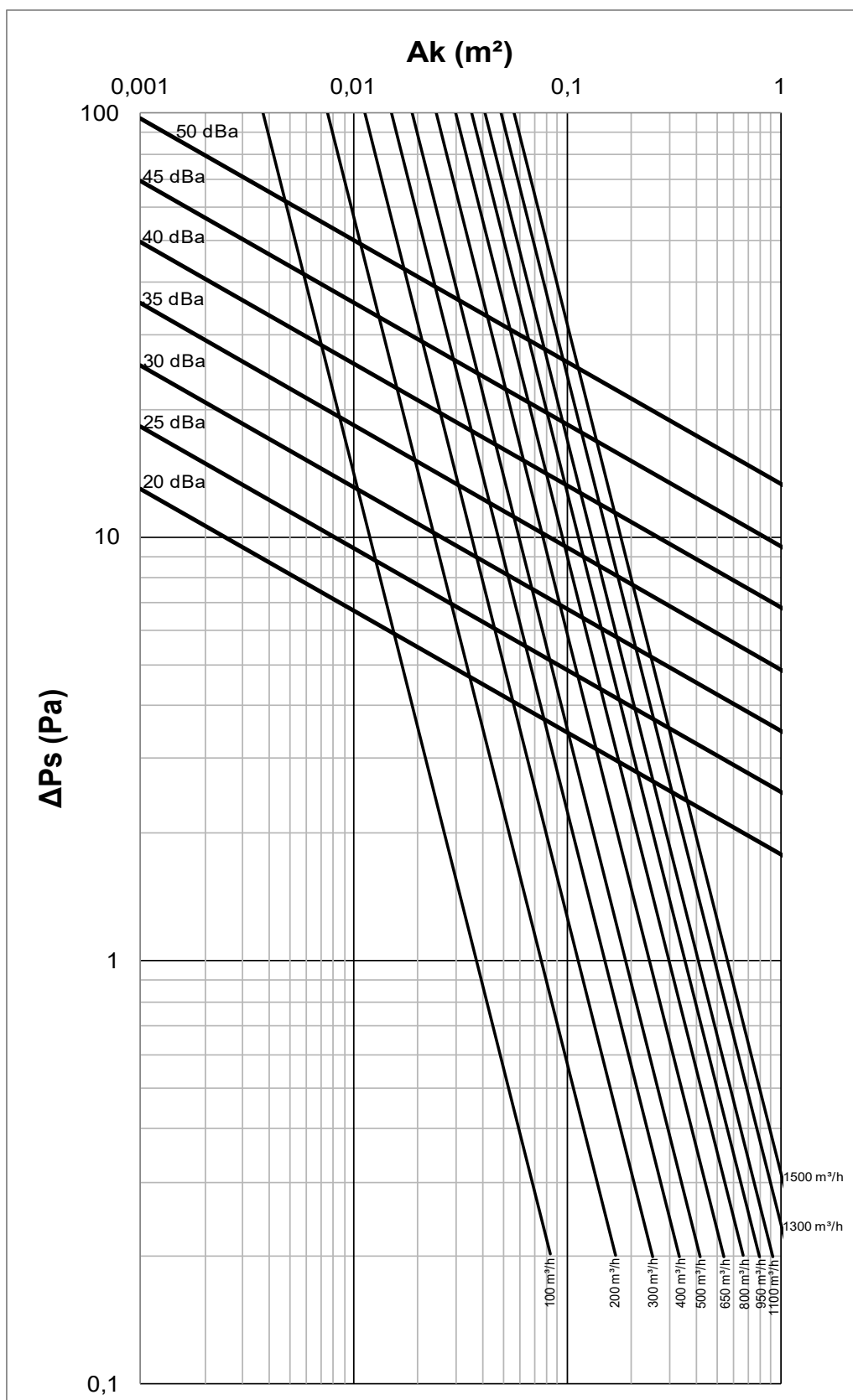
$$V_k (m/s) = Q (m^3/h) / 3600 / A_k$$



**LINEAR GRILLES
THIN FRAME
WITH FIXED BLADES**

**PERFORMANCE
EXTRACTION**

**UF6
UF9
SERIES**





**LINEAR GRILLES
THIN FRAME
WITH FIXED BLADES**

WEIGHTS

**UF6
UF9
SERIES**

WEIGHT [kg] UF6 WITHOUT REGULATION DAMPER

		BASE [mm]													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
HEIGHT [mm]	50	0,12	0,16	0,20	0,27	0,30	0,35	0,40	0,44	0,49	0,54	0,58	0,62	0,67	0,71
	100	0,20	0,28	0,36	0,46	0,54	0,62	0,70	0,79	0,86	0,95	1,04	1,11	1,19	1,28
	150	0,28	0,40	0,52	0,65	0,77	0,89	1,01	1,13	1,25	1,36	1,48	1,60	1,71	1,83
	200	0,38	0,52	0,68	0,85	1,00	1,15	1,32	1,47	1,62	1,78	1,93	2,09	2,24	2,39
	250	0,46	0,65	0,83	1,05	1,24	1,42	1,62	1,81	2,00	2,19	2,39	2,57	2,76	2,95
	300	0,54	0,77	0,99	1,24	1,47	1,69	1,93	2,15	2,38	2,60	2,84	3,07	3,28	3,51
	350	0,63	0,89	1,15	1,44	1,69	1,96	2,24	2,49	2,75	3,02	3,29	3,55	3,81	4,07
	400	0,72	1,01	1,30	1,63	1,93	2,22	2,54	2,84	3,13	3,43	3,75	4,04	4,34	4,63

WEIGHT [kg] UF6 WITH REGULATION DAMPER

		BASE [mm]													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
HEIGHT [mm]	75	0,46	0,66	0,88	1,09	1,31	1,55	1,75	1,97	2,17	2,37	2,59	2,83	3,03	3,25
	100	0,55	0,79	1,05	1,30	1,54	1,84	2,09	2,33	2,58	2,82	3,08	3,37	3,61	3,86
	150	0,74	1,06	1,37	1,72	2,03	2,43	2,76	3,08	3,41	3,72	4,04	4,45	4,77	5,08
	200	0,92	1,32	1,71	2,13	2,53	3,03	3,43	3,83	4,22	4,62	5,02	5,52	5,92	6,31
	250	1,11	1,58	2,05	2,54	3,01	3,62	4,10	4,58	5,04	5,51	6,00	6,60	7,07	7,54
	300	1,30	1,84	2,38	2,96	3,50	4,21	4,78	5,32	5,87	6,41	6,97	7,68	8,22	8,76
	350	1,48	2,11	2,72	3,37	3,99	4,80	5,45	6,07	6,68	7,31	7,94	8,75	9,38	9,99
	400	1,67	2,36	3,06	3,79	4,48	5,40	6,11	6,81	7,50	8,19	8,92	9,83	10,52	11,22

WEIGHT [kg] UF9 SINGLE ROW WITHOUT REGULATION DAMPER

		BASE [mm]													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
HEIGHT [mm]	50	0,11	0,16	0,19	0,26	0,29	0,34	0,38	0,43	0,47	0,52	0,56	0,60	0,64	0,69
	100	0,20	0,27	0,36	0,45	0,53	0,61	0,69	0,77	0,85	0,93	1,02	1,09	1,17	1,25
	150	0,28	0,39	0,51	0,64	0,76	0,87	1,00	1,11	1,23	1,34	1,46	1,57	1,69	1,80
	200	0,37	0,52	0,67	0,84	0,99	1,14	1,30	1,46	1,60	1,76	1,91	2,07	2,21	2,37
	250	0,45	0,64	0,82	1,04	1,22	1,41	1,60	1,79	1,98	2,17	2,36	2,55	2,73	2,92
	300	0,54	0,76	0,98	1,23	1,46	1,67	1,92	2,13	2,36	2,58	2,82	3,04	3,26	3,48
	350	0,62	0,88	1,14	1,42	1,68	1,94	2,22	2,47	2,73	2,99	3,27	3,52	3,78	4,04
	400	0,71	1,00	1,29	1,62	1,91	2,21	2,52	2,82	3,11	3,41	3,72	4,02	4,31	4,60

WEIGHT [kg] UF9 SINGLE ROW WIT REGULATION DAMPER

		BASE [mm]													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
HEIGHT [mm]	75	0,51	0,73	0,96	1,19	1,42	1,68	1,90	2,13	2,35	2,57	2,80	3,06	3,28	3,51
	100	0,60	0,86	1,13	1,40	1,66	1,97	2,24	2,50	2,76	3,02	3,29	3,60	3,86	4,12
	150	0,79	1,13	1,46	1,82	2,15	2,57	2,91	3,25	3,59	3,92	4,26	4,68	5,02	5,35
	200	0,99	1,40	1,81	2,25	2,66	3,18	3,60	4,01	4,42	4,83	5,25	5,77	6,18	6,59
	250	1,18	1,67	2,15	2,66	3,15	3,77	4,27	4,76	5,24	5,73	6,23	6,85	7,34	7,82
	300	1,38	1,94	2,50	3,09	3,65	4,38	4,96	5,52	6,08	6,64	7,22	7,94	8,50	9,06
	350	1,57	2,21	2,84	3,51	4,14	4,97	5,63	6,27	6,90	7,54	8,19	9,02	9,66	10,29
	400	1,77	2,48	3,19	3,94	4,65	5,58	6,31	7,02	7,73	8,44	9,18	10,11	10,82	11,53



LINEAR GRILLES THIN FRAME WITH FIXED BLADES

WEIGHTS

UF6
UF9
SERIES

WEIGHT [kg] UF9 DOUBLE ROW WITHOUT REGULATION DAMPER

		BASE [mm]													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
HEIGHT [mm]	75	0,28	0,39	0,50	0,64	0,75	0,86	0,98	1,10	1,21	1,33	1,44	1,56	1,68	1,78
	100	0,33	0,48	0,61	0,78	0,92	1,06	1,20	1,36	1,48	1,64	1,78	1,92	2,07	2,20
	150	0,45	0,65	0,84	1,06	1,26	1,45	1,66	1,87	2,05	2,25	2,44	2,64	2,84	3,03
	200	0,59	0,84	1,08	1,35	1,62	1,85	2,12	2,38	2,61	2,88	3,12	3,38	3,63	3,87
	250	0,71	1,02	1,31	1,65	1,96	2,25	2,57	2,88	3,18	3,49	3,79	4,10	4,41	4,70
	300	0,84	1,21	1,54	1,94	2,31	2,65	3,04	3,40	3,74	4,11	4,47	4,84	5,20	5,55
	350	0,96	1,38	1,78	2,23	2,64	3,05	3,49	3,90	4,30	4,73	5,14	5,56	5,98	6,38
	400	1,10	1,56	2,02	2,52	3,00	3,45	3,94	4,42	4,87	5,35	5,82	6,30	6,77	7,22

WEIGHT [kg] UF9 DOUBLE ROW WITH REGULATION DAMPER

		BASE [mm]													
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
HEIGHT [mm]	75	0,56	0,81	1,06	1,33	1,59	1,87	2,12	2,39	2,63	2,88	3,13	3,43	3,68	3,93
	100	0,66	0,97	1,26	1,58	1,88	2,22	2,53	2,84	3,12	3,43	3,73	4,08	4,39	4,67
	150	0,88	1,28	1,66	2,08	2,47	2,94	3,34	3,75	4,13	4,52	4,91	5,39	5,79	6,17
	200	1,11	1,60	2,07	2,59	3,09	3,67	4,17	4,66	5,13	5,63	6,11	6,71	7,20	7,67
	250	1,33	1,92	2,48	3,09	3,68	4,38	4,98	5,57	6,13	6,72	7,30	8,02	8,61	9,17
	300	1,56	2,24	2,89	3,60	4,28	5,11	5,81	6,49	7,14	7,82	8,50	9,34	10,02	10,68
	350	1,78	2,55	3,30	4,11	4,87	5,82	6,62	7,39	8,14	8,92	9,68	10,65	11,43	12,17
	400	2,01	2,87	3,72	4,62	5,49	6,55	7,43	8,30	9,14	10,01	10,88	11,97	12,83	13,68

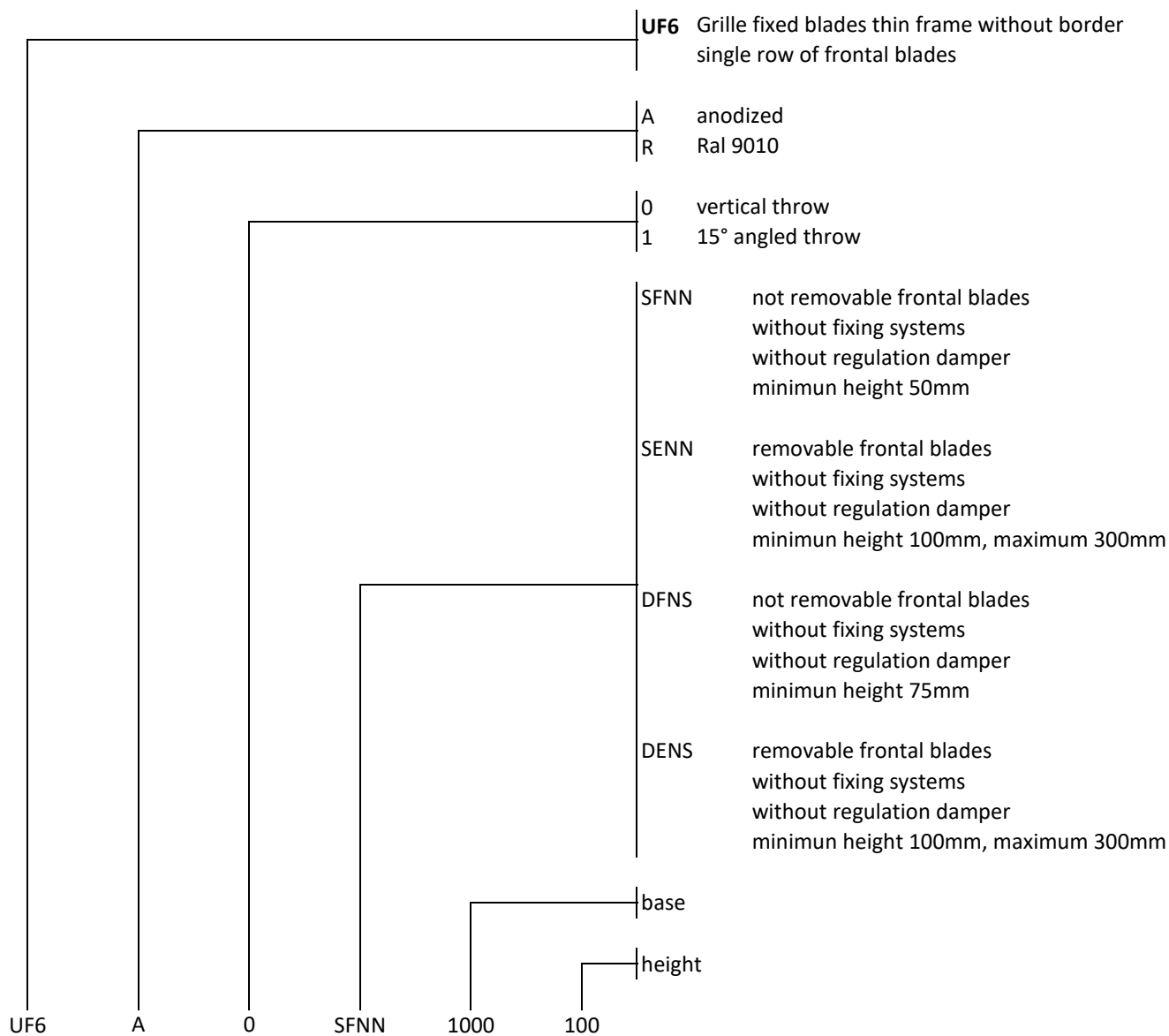


LINEAR GRILLES **THIN FRAME** **WITH FIXED BLADES**

THIN FRAME WITHOUT BORDER
HOW TO ORDER

UF6
SERIES

Please refer to the diagrams on the following page for the feasible sizes of each variant
 Variants with of non removable blades can be made in a continuous line with a maximum height of 250 mm



UF6-9FIX Kit 4 fixing clamps supplied already installed, can be ordered afterwards

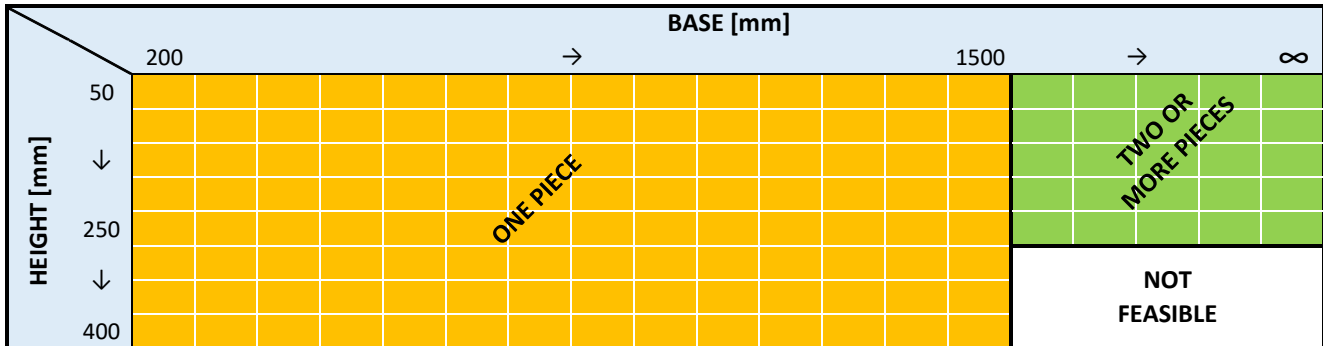


LINEAR GRILLES THIN FRAME WITH FIXED BLADES

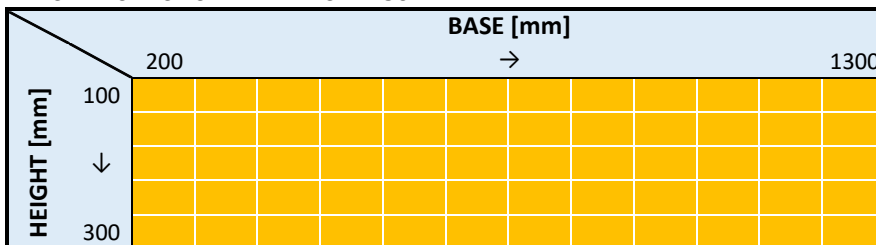
THIN FRAME WITHOUT BORDER
FEASIBLE SIZES

UF6
SERIES

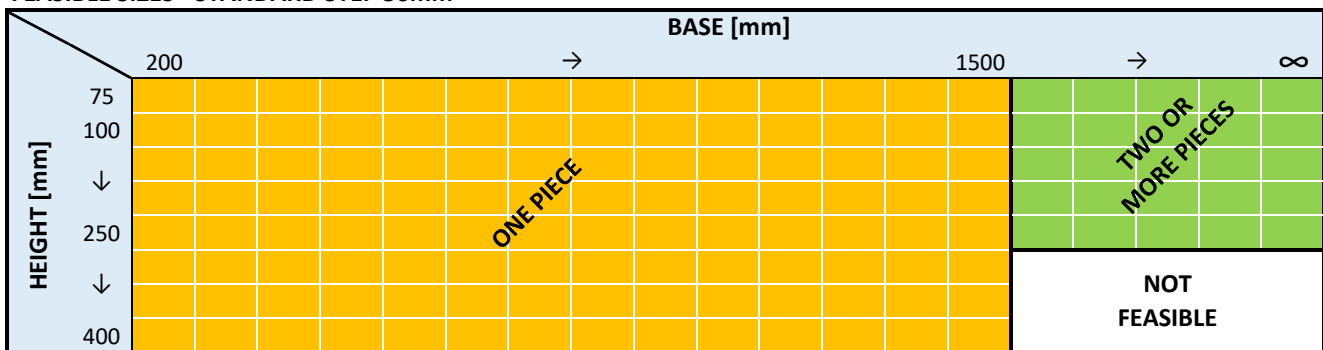
SFNN - NOT REMOVABLE FRONTAL BLADES - WITHOUT REGULATION DAMPER
FEASIBLE SIZES - STANDARD STEP 50mm



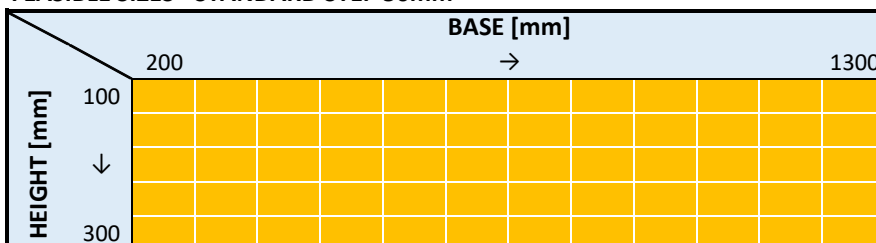
SENN - REMOVABLE FRONTAL BLADES - WITHOUT REGULATION DAMPER
FEASIBLE SIZES - STANDARD STEP 50mm



DFNS - NOT REMOVABLE FRONTAL BLADES - WITH REGULATION DAMPER
FEASIBLE SIZES - STANDARD STEP 50mm



DENS - REMOVABLE FRONTAL BLADES - WITH REGULATION DAMPER
FEASIBLE SIZES - STANDARD STEP 50mm



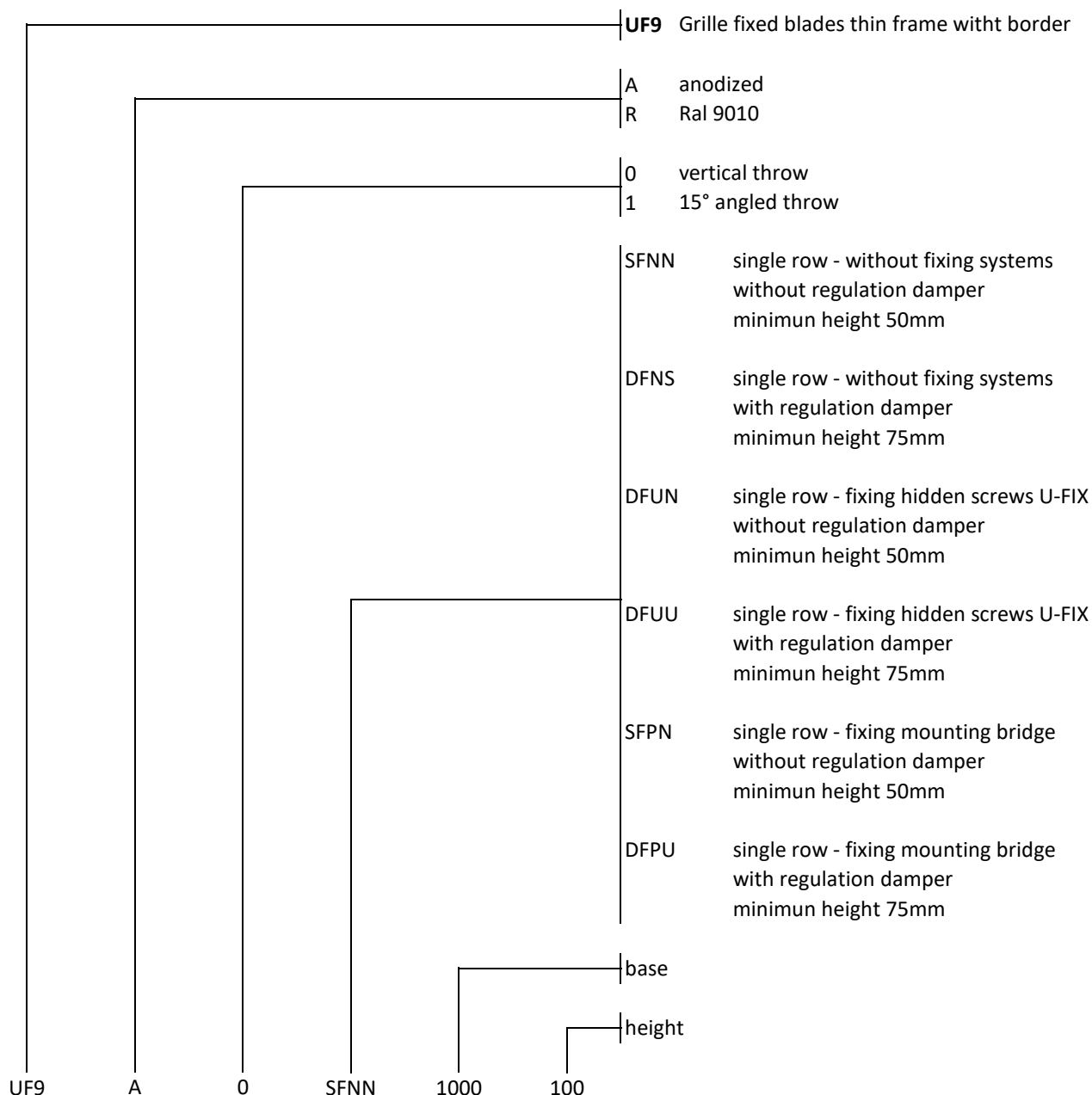


LINEAR GRILLES **THIN FRAME** **WITH FIXED BLADES**

UF9
SERIES

THIN FRAME WITH BORDER
SINGLE ROW OF FIXED BLADES
HOW TO ORDER

Please refer to the diagrams on the following pages for the feasible sizes of each variant
 All variants be made in a continuous line with a maximum height of 250 mm



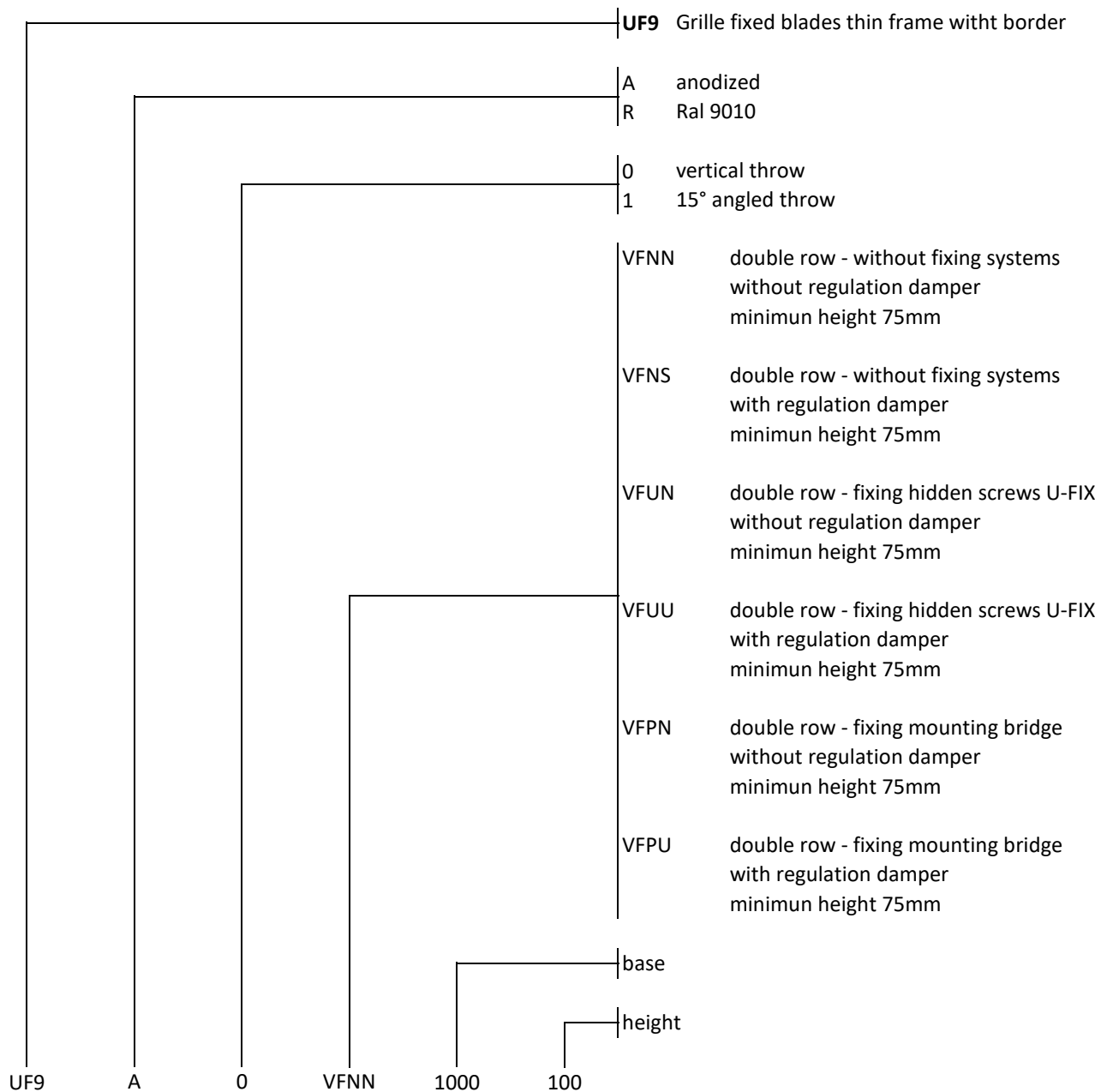


LINEAR GRILLES **THIN FRAME** **WITH FIXED BLADES**

UF9
SERIES

THIN FRAME WITH BORDER
WITH REAR ROW OF ADJUSTABLE FINS
HOW TO ORDER

Please refer to the diagrams on the following pages for the feasible sizes of each variant
 All variants be made in a continuous line with a maximum height of 250 mm





BOCCHETTE LINEARI **BARRE FRONTALI FISSE** **CORNICE SOTTILE**

THIN FRAME WITH BORDER
 FEASIBLE SIZES

SERIE
UF9

VERSIONS SINGLE ROW WITHOUT REGULATION DAMPER

FEASIBLE SIZES - STANDARD STEP 50mm

HEIGHT [mm]	BASE [mm]	
	200	1500
50	ONE PIECE	TWO OR MORE PIECES
↓		
250		
↓		NOT FEASIBLE
400		

VERSIONS SINGLE ROW WITH REGULATION DAMPER

FEASIBLE SIZES - STANDARD STEP 50mm

HEIGHT [mm]	BASE [mm]	
	200	1500
75	ONE PIECE	TWO OR MORE PIECES
100		
↓		
250		NOT FEASIBLE
↓		
400		

VERSIONS DOUBLE ROW

FEASIBLE SIZES - STANDARD STEP 50mm

HEIGHT [mm]	BASE [mm]	
	200	1500
75	ONE PIECE	TWO OR MORE PIECES
100		
↓		
250		NOT FEASIBLE
↓		
400		