

MSU F – wall grid



Technical parameters

Version

Wall grilles are used to aesthetically cover the ventilation opening without an external frame in ventilation and air conditioning systems. They are designed for both supply and exhaust air. The spacing of the horizontal fixed slats is 12.5 mm. The wall grilles have a slat profile with a 0° or 15° angle (see cut). The slats are removable from the frame. The grilles are not equipped with air flow control as standard, R1-F control can be used.

The main advantages include:

- low noise level
- flush mounting
- good adjustment parameters
- possibility to direct the air flow
- wide range of colours
- simple design

Construction

The rectangular grids (including the leaves) are made of Al profile coated with transparent anodizing. Burn-in paint in basic RAL shades at extra cost, other colour variants on request.

Mounting

of MSU F series grilles is done by anchoring the frame directly to the wall and then covering the frame with plaster. The opening for the grille is in the basic dimension series W × H. The use of plenum boxes is recommended.

Accessories

Plenum boxes made of galvanised steel, standard or insulated. Control damper R1-F made of galvanised steel fitted with counter-rotating control leaves.

Type key for ordering

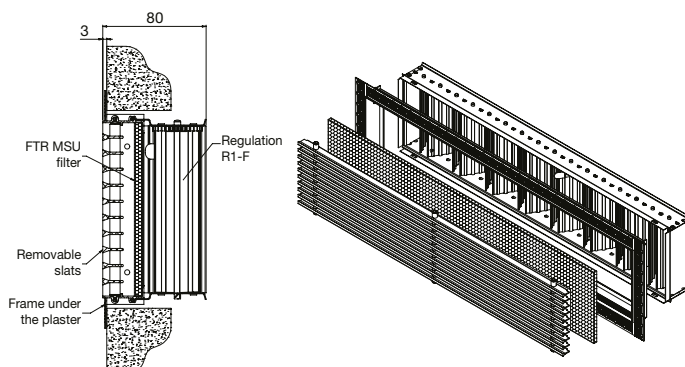
MSU F-1.0 800×200 RAL9010

- 1 – type
- 2 – 1.0 – single row, 0° blade profile angle
1.1 – single row, blade profile angle 15°
- 3 – dimensions
- 4 – colour without indication – transparent anodised, RAL 9010, RAL 9016 others on request

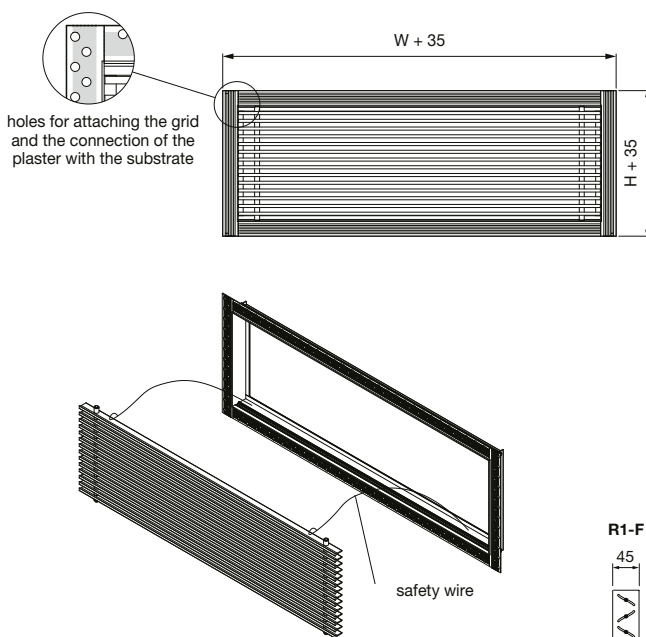
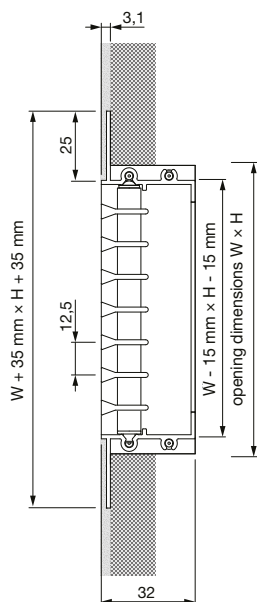
Accessories:

- | | |
|------|----------------------|
| R1-F | control damper |
| FTR | filter insert |
| PBF | plenum box |
| PBFI | plenum box insulated |

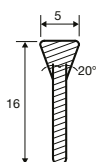
								
W×H [mm]	MSU F-1.0	MSU F-1.1	R1-F	FTR	PBF-H	PBFI-H	PBF-V	PBFI-V
400×75	•	•	•	•	•	•	•	•
500×75	•	•	•	•	•	•	•	•
600×75	•	•	•	•	•	•	•	•
800×75	•	•	•	•	•	•	•	•
1000×75	•	•	•	•	•	•	•	•
1200×75	•	•	•	•	•	•	•	•
200×100	•	•	•	•	•	•	•	•
300×100	•	•	•	•	•	•	•	•
400×100	•	•	•	•	•	•	•	•
500×100	•	•	•	•	•	•	•	•
600×100	•	•	•	•	•	•	•	•
800×100	•	•	•	•	•	•	•	•
1000×100	•	•	•	•	•	•	•	•
1200×100	•	•	•	•	•	•	•	•
300×125	•	•	•	•	•	•	•	•
400×125	•	•	•	•	•	•	•	•
500×125	•	•	•	•	•	•	•	•
600×125	•	•	•	•	•	•	•	•
800×125	•	•	•	•	•	•	•	•
1000×125	•	•	•	•	•	•	•	•
1200×125	•	•	•	•	•	•	•	•
300×150	•	•	•	•	•	•	•	•
400×150	•	•	•	•	•	•	•	•
500×150	•	•	•	•	•	•	•	•
600×150	•	•	•	•	•	•	•	•
800×150	•	•	•	•	•	•	•	•
1000×150	•	•	•	•	•	•	•	•
1200×150	•	•	•	•	•	•	•	•
300×200	•	•	•	•	•	•	•	•
400×200	•	•	•	•	•	•	•	•
500×200	•	•	•	•	•	•	•	•
600×200	•	•	•	•	•	•	•	•
800×200	•	•	•	•	•	•	•	•
1000×200	•	•	•	•	•	•	•	•



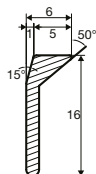
MSU F – wall grid



MSU-F 1.0



MSU-F 1.1



slat profile



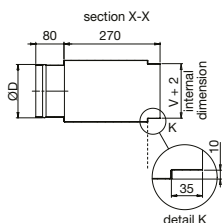
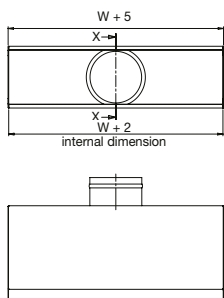
product presentation (video)

R1-F



dimensions – wall grid

PBF-V



PBF-H

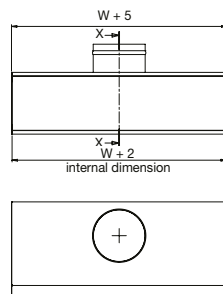
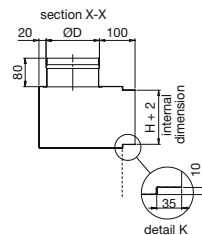


Table of the $\varnothing D$ dimension and the number of connection sockets see catalog sheet PBZ – plenum boxes later in this chapter. For the grid height $H = 75 \text{ mm}$, the connection neck is DN80.

MSU F – wall grid

Type	A _k [m²]	Q [m³/h]		L _{wa} [dB(A)]		X _{0,25} [m]		Δp _t [Pa]	
		min	max	min	max	min	max	min	max
MSU F 400×75	0,0083	80	160	20	34	3,5	6,6	5	20
MSU F 500×75	0,0129	120	240	22	35	4,2	8,0	5	20
MSU F 600×75	0,0176	160	330	23	37	4,8	9,4	5	20
MSU F 800×75	0,0268	250	500	26	39	6,1	11,7	5	20
MSU F 1000×75	0,0361	330	680	27	41	6,9	13,8	5	20
MSU F 1200×75	0,0453	420	850	29	42	7,9	15,5	5	20
MSU F 200×100	0,0021	20	40	< 20	25	1,9	3,3	5	20
MSU F 300×100	0,0083	80	160	20	34	3,5	6,6	5	20
MSU F 400×100	0,0145	130	270	22	36	4,3	8,5	5	20
MSU F 500×100	0,0206	190	390	24	38	5,3	10,3	5	20
MSU F 600×100	0,0268	250	500	26	39	6,1	11,7	5	20
MSU F 800×100	0,0392	360	730	28	41	7,3	14,2	5	20
MSU F 1000×100	0,0515	470	970	29	43	8,3	16,6	5	20
MSU F 1200×100	0,0638	590	1200	31	44	9,4	18,6	5	20
MSU F 400×125	0,0206	190	390	24	38	5,3	10,3	5	20
MSU F 500×125	0,0284	260	530	26	40	6,1	12,1	5	20
MSU F 600×125	0,0361	330	680	27	41	6,9	13,8	5	20
MSU F 800×125	0,0515	470	970	29	43	8,3	16,6	5	20
MSU F 1000×125	0,0669	610	1250	31	45	9,5	19,0	5	20
MSU F 1200×125	0,0823	760	1540	32	46	10,7	21,2	5	20
MSU F 300×150	0,0176	160	330	23	37	4,8	9,4	5	20
MSU F 400×150	0,0268	250	500	26	39	6,1	11,7	5	20
MSU F 500×150	0,0361	330	680	27	41	6,9	13,8	5	20
MSU F 600×150	0,0453	420	850	29	42	7,9	15,5	5	20
MSU F 800×150	0,0638	590	1200	31	44	9,4	18,6	5	20
MSU F 1000×150	0,0823	760	1540	32	46	10,7	21,2	5	20
MSU F 1200×150	0,1008	930	1890	33	47	11,9	23,7	5	20
MSU F 300×200	0,0268	250	500	26	39	6,1	11,7	5	20
MSU F 400×200	0,0392	360	730	28	41	7,3	14,2	5	20
MSU F 500×200	0,0515	470	970	29	43	8,3	16,6	5	20
MSU F 600×200	0,0638	590	1200	31	44	9,4	18,6	5	20
MSU F 800×200	0,0885	810	1660	32	46	11,0	22,1	5	20
MSU F 1000×200	0,1132	1040	2120	34	47	12,6	25,2	5	20

Explanatory notes:

- Q [m³/h] air flow
- A_k [m²] free discharge area
- Δp_t [Pa] total pressure drop
- L_{wa} [dB(A)] acoustic performance
- X_{0,25} [m] air flow range to obtain a comfortable air speed in the living area of 0.25 m/s