SAND-TRAP LOUVRE
G RANGE - GS

DEFINITION

The GS sand-trap louvre is designed to remove the bulk of airborne sand and dust from inlet air in dry environnements. Sand-trap louvre is used as a prefilter but can not be intended as a substitute for conventional filters.

CHARACTERISTICS

Frame	Bended steel sheet 1.5 mm thick Evacuation holes for the sand on the lower parts
Sand blades	Bended steel sheet 1.5 mm thick

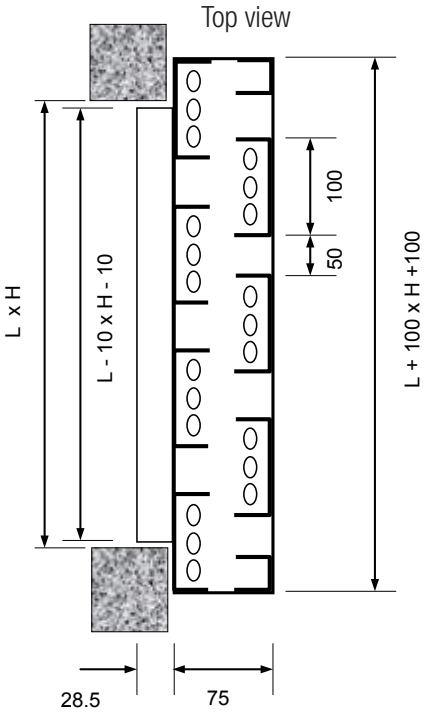
Available in galvanized steel, stainless steel 304L or 316L, aluminum AG3M or painted steel RAL colour

PERFORMANCE

	GS
Recommanded air velocity max	2 m/s
Avarage efficiency	50% for an air velocity of 1.5 m/s

DIMENSIONS

- Height H from 150 to 2300 mm at the step of 50 mm
- Length L from 150 to 2300 mm at the step of 50 mm



dimensions in mm

2019/09

ISO 9001 14001 Certified

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F2A Manufacturer Air handling components

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WEIGHT (kg)

H \ L	400	600	800	1000	1200	1400	1600	1800	2000	2300
200	8	10	13	15	17	20	22	25	27	30
400	12	15	18	22	25	29	32	35	39	44
600	14	19	23	27	31	35	39	43	47	53
800	18	23	28	33	38	44	49	54	59	66
1000	22	28	34	40	46	52	58	65	71	80
1200	25	31	38	45	52	58	65	72	79	89
1400	28	36	44	52	59	67	75	83	91	102
1600	32	41	50	58	67	76	85	94	103	116
1800	35	44	54	63	73	82	92	101	111	125
2000	38	49	59	70	80	91	102	112	123	138

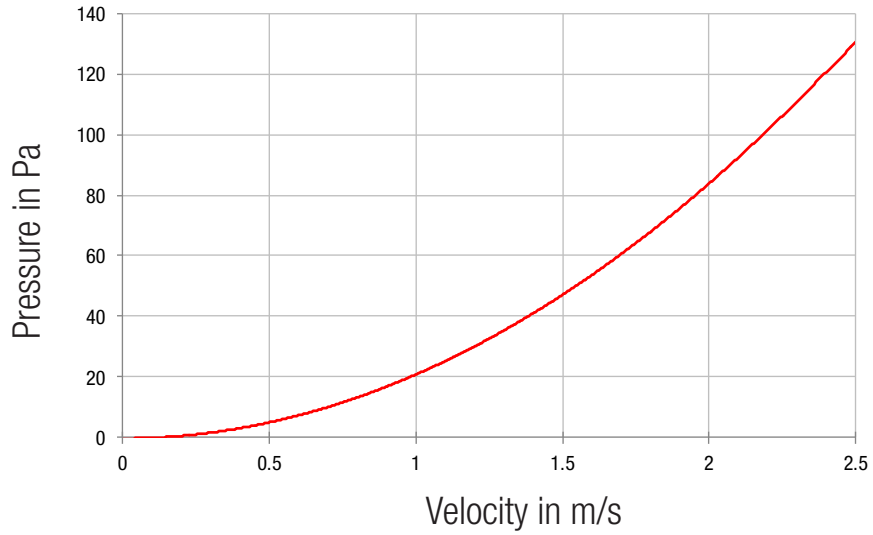
SELECTION

Airflow (m^3/h) and free area velocity between the blades (m/s) for a **face velocity of 2 m/s**:

H \ L	400		600		800		1000		1200		1400		1600		1800		2000		2300	
200	576	6.1	864	3.3	1152	4.1	1440	6.1	1728	3.3	2016	4.1	2304	6.1	2592	3.3	2880	4.1	3312	4.1
400	1152	6.1	1728	3.3	2304	4.1	2880	6.1	3456	3.3	4032	4.1	4608	6.1	5184	3.3	5760	4.1	6624	4.1
600	1728	6.1	2592	3.3	3456	4.1	4320	6.1	5184	3.3	6048	4.1	6912	6.1	7776	3.3	8640	4.1	9936	4.1
800	2304	6.1	3456	3.3	4608	4.1	5760	6.1	6912	3.3	8064	4.1	9216	6.1	10368	3.3	11520	4.1	13248	4.1
1000	2880	6.1	4320	3.3	5760	4.1	7200	6.1	8640	3.3	10080	4.1	11520	6.1	12960	3.3	14400	4.1	16560	4.1
1200	3456	6.1	5184	3.3	6912	4.1	8640	6.1	10368	3.3	12096	4.1	13824	6.1	15552	3.3	17280	4.1	19872	4.1
1400	4032	6.1	6048	3.3	8064	4.1	10080	6.1	12096	3.3	14112	4.1	16128	6.1	18144	3.3	20160	4.1	23184	4.1
1600	4608	6.1	6912	3.3	9216	4.1	11520	6.1	13824	3.3	16128	4.1	18432	6.1	20736	3.3	23040	4.1	26496	4.1
1800	5184	6.1	7776	3.3	10368	4.1	12960	6.1	15552	3.3	18144	4.1	20736	6.1	23328	3.3	25920	4.1	29808	4.1
2000	5760	6.1	8640	3.3	11520	4.1	14400	6.1	17280	3.3	20160	4.1	23040	6.1	25920	3.3	28800	4.1	33120	4.1

PRESSURE LOSSES

The pressure loss can be read below, according to the face velocity.



F2A Equipementier en traitement de l'air

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