Sand Trap Louver

WBL-ST

SAND TRAP LOUVERS

Sand trap louvers are used in air intake systems operating in sandy environments such as warehouses, hangars, depots, parking garages, and similar ventilation applications.

•Designed with a **U-shaped, staggered blade profile** to effectively trap sand and heavy particles from the airstream.

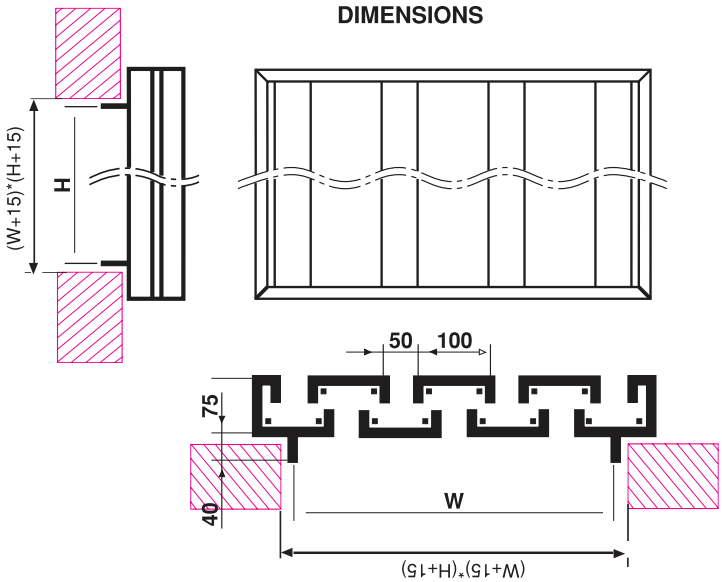
•Equipped with **drain holes** at the bottom to discharge sand collected behind the blades and at the blade-to-frame junctions.

•Can be optionally supplied with **wire mesh or filter media** for enhanced protection.

Component	Standard Material	Optional Materials
Casing	Galvanized Steel (G90)	Aluminum (Al 5754), Stainless Steel (304/316)
Blades	Galvanized Steel (G90)	Aluminum, Stainless Steel (304/316)

Accessory	Standard	Optional Materials
Control Damper	Manual Damper	Motorized Damper (Actuator)

DIMENSIONS



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Effective Area and Performance

W * H (mm) EFFECTIVE AREA (m^2)

W*H	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250
300	0,029	0,044	0,059	0,073	0,089	0,104	0,119	0,134	0,149	0,164	0,179	0,194	0,209	0,224
450	0,044	0,067	0,089	0,112	0,135	0,158	0,180	0,203	0,226	0,249	0,271	0,294	0,317	0,340
600	0,059	0,089	0,120	0,150	0,181	0,211	0,242	0,274	0,303	0,334	0,364	0,394	0,425	0,455
750	0,073	0,112	0,150	0,189	0,227	0,265	0,304	0,342	0,380	0,418	0,456	0,494	0,532	0,571
900	0,089	0,135	0,181	0,227	0,273	0,319	0,365	0,411	0,457	0,503	0,549	0,595	0,640	0,687
1050	0,097	0,146	0,196	0,246	0,296	0,346	0,396	0,445	0,495	0,545	0,595	0,645	0,694	0,744
1200	0,111	0,169	0,227	0,284	0,342	0,399	0,457	0,515	0,572	0,630	0,687	0,745	0,803	0,860
1350	0,126	0,191	0,257	0,322	0,387	0,452	0,518	0,583	0,648	0,714	0,779	0,845	0,910	0,975
1500	0,141	0,215	0,287	0,360	0,434	0,506	0,580	0,653	0,726	0,799	0,872	0,945	1,018	1,092
1650	0,157	0,237	0,318	0,397	0,479	0,560	0,641	0,722	0,803	0,883	0,964	1,045	1,126	1,208
1800	0,172	0,260	0,348	0,438	0,526	0,614	0,703	0,792	0,880	0,968	1,057	1,145	1,234	1,322
1950	0,187	0,282	0,379	0,476	0,571	0,668	0,765	0,860	0,957	1,053	1,149	1,246	1,341	1,438
2100	0,202	0,306	0,410	0,514	0,618	0,722	0,826	0,929	1,034	1,138	1,242	1,346	1,450	1,533
2250	0,217	0,328	0,440	0,529	0,663	0,776	0,887	0,999	1,111	1,223	1,334	1,446	1,558	1,669