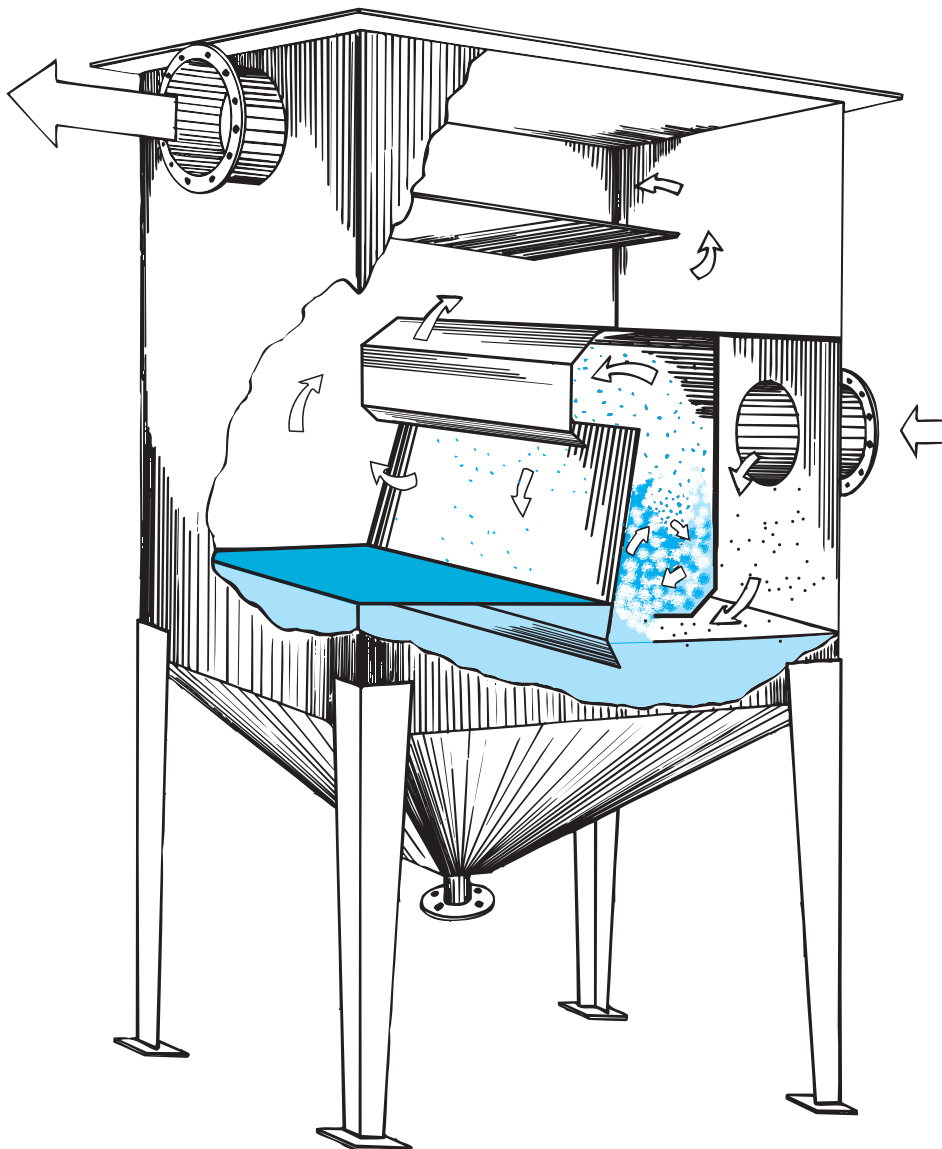


WET SCRUBBER

Dust Collection

Deodorization

Gas Absorption



Distributor:
AAAmachine, Inc.
1291 Rand Road, Des Plaines, IL 60016 USA
Tel: 847-481-8264, Fax: 847-376-3530
E-mail: aco-700@aaamachine.com

- Hygroscopic Dust Collection
- High Temperature Exhaust Gas Treatment
- Combustible and Explosive Dust Collection
- Toxic and Odorous Gas Absorption

 **ACO CO.,LTD.**
<http://www.acokk.co.jp>

High Efficiency • Low Running-Cost • Space-Saving • Easy Maintenance

WET SCRUBBER

Features

① Simple Construction

Significantly lower maintenance costs compared to Packed Towers

② No Pump

The gas itself lifts water inside the scrubber eliminating the need for a pump

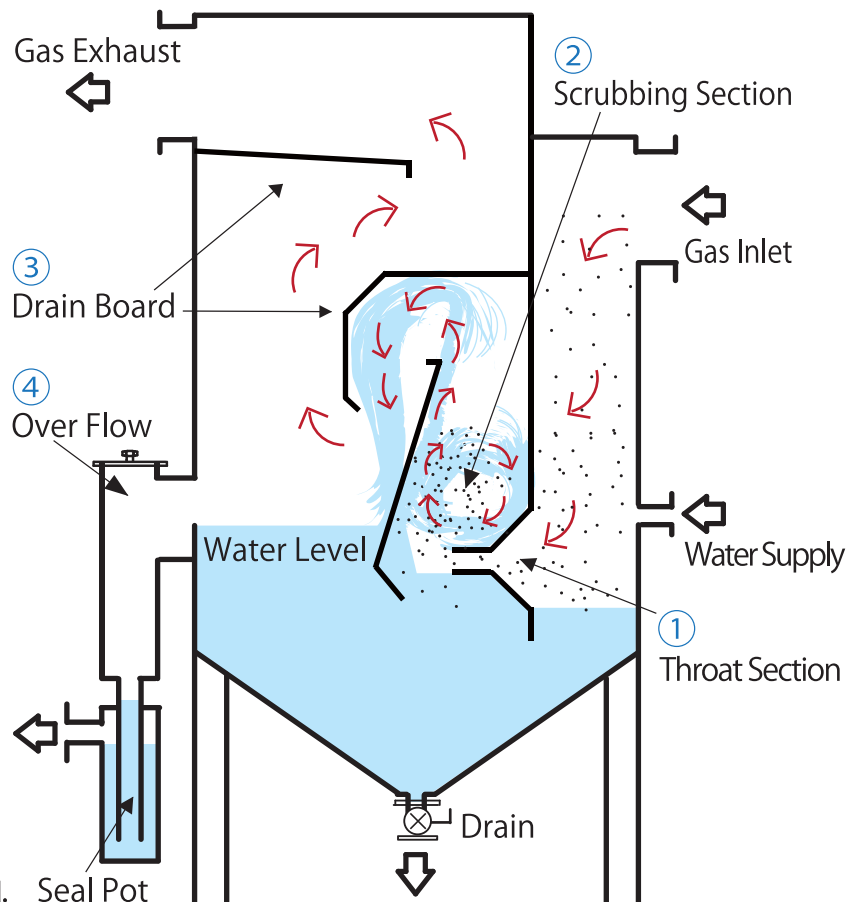
③ Low Pressure Loss

Single type $\Delta P = 1.3\text{kPa}$

Double type $\Delta P = 2.6\text{kPa}$

Principle

- ① Dust laden gas passes at high velocity through the Throat Section, combines and rises upwards with swirling water, then forcefully collides with the scrubber walls.
- ② In the Scrubbing Section, gas is enveloped by fine particle water resulting in highly effective gas-liquid mixing and excellent dust collection.
- ③ At the Drain Board, water is separated from the newly cleansed gas. The gas is then expelled from the Exhaust Port. No water splashes enter the Exhaust Port.
- ④ Dust particles which were removed from the gas are expelled from the Overflow. Collected sunken dust is expelled from the Hopper drain.



※The height of the Overflow can be adjusted.

Efficiency

High dust collection performance and efficient gas processing.

Gas Absorption Examples			
Type of gas	Washing Agent	Single	Double
SO ₂	NaOH	80%	95%
NH ₃	H ₂ SO ₄	90%	99%
	H ₂ O	80%	95%

【 Usages 】

- Hygroscopic Dust Collection
- High Temperature Exhaust Gas Dust Collection
- Inflammable and Explosive Gas Dust Collection
- Gas Deodorization

【 Applications 】

Chemicals, Food, Spices, Fish Meal, Pharmaceuticals, Fertilizers, Waste Products etc

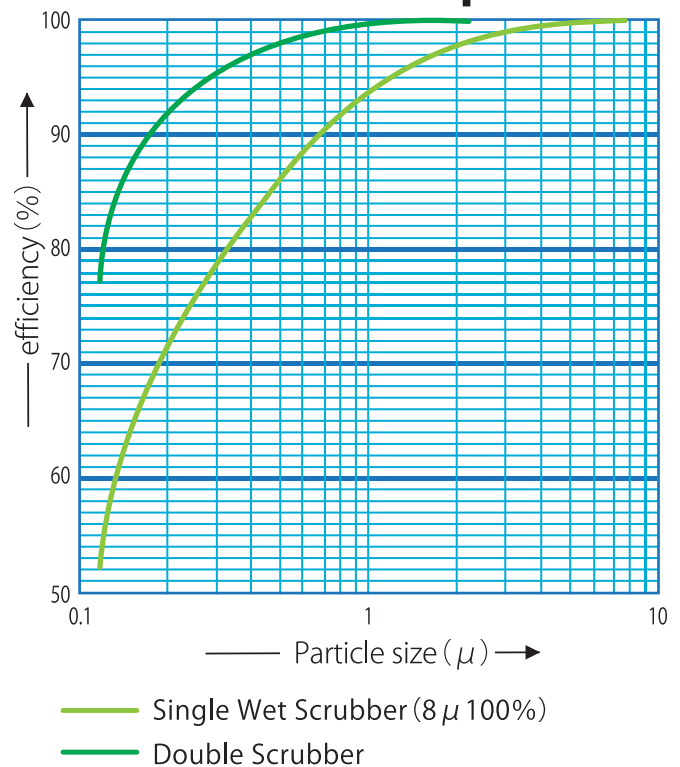
Models and Material

The Standard Wet Scrubber(WS) has one scrubbing section, whereas the highly efficient Double Scrubber(DWS) has two scrubbing sections.

【 Material 】

- Stainless Steel(SUS304,316L)
- FRP

Dust Collection Graph (Fly Ash)



Wet Scrubber (WS)



Double Scrubber (DWS)

Specification

※For info on the Double Scrubber, please contact us.

Model	Gas volume	Size (mm)		Plane type			Hopper type		
				Height	Water saving	Weight	Height	Water saving	Weight
	[m ³ /min]	W	L	[mm]	[m ³]	[kg]	[mm]	[m ³]	[kg]
WS-2	2	360	100	1200	0.01	50	✕		
WS-8	8	〃	400	1200	0.03	80			
WS-8	8	480	290	1350	0.03	90	1430	0.05	100
WS-15	15	〃	550	1350	0.05	120	1430	0.09	130
WS-15	15	600	420	1410	0.06	120	1505	0.09	130
WS-25	25	〃	680	1410	0.10	160	1505	0.16	175
WS-25	25	800	500	1680	0.13	160	1820	0.16	175
WS-40	40	〃	800	1680	0.20	230	1820	0.25	240
WS-60	60	〃	1200	1680	0.30	320	1820	0.38	330
WS-60	60	1200	720	2215	0.35	320	2420	0.38	330
WS-130	130	〃	1625	2215	0.76	500	2420	0.82	550
WS-200	200	〃	2400	2215	1.13	710	2420	1.20	735
WS-200T	200	2400	1200	2380	0.54	1480	2950	0.72	1600
WS-400T	400	〃	2500	2380	1.13	2160	2950	1.49	2380
WS-640T	640	〃	4000	2380	1.80	3000	2950	2.32	3300
WS-640T	640	2800	3200	2650	1.68	3000	3200	2.48	3300
WS-900T	900	〃	4500	2650	2.37	3600	3200	3.08	3900
WS-1200T	1200	〃	6000	2650	3.55	4100	3200	4.00	4500

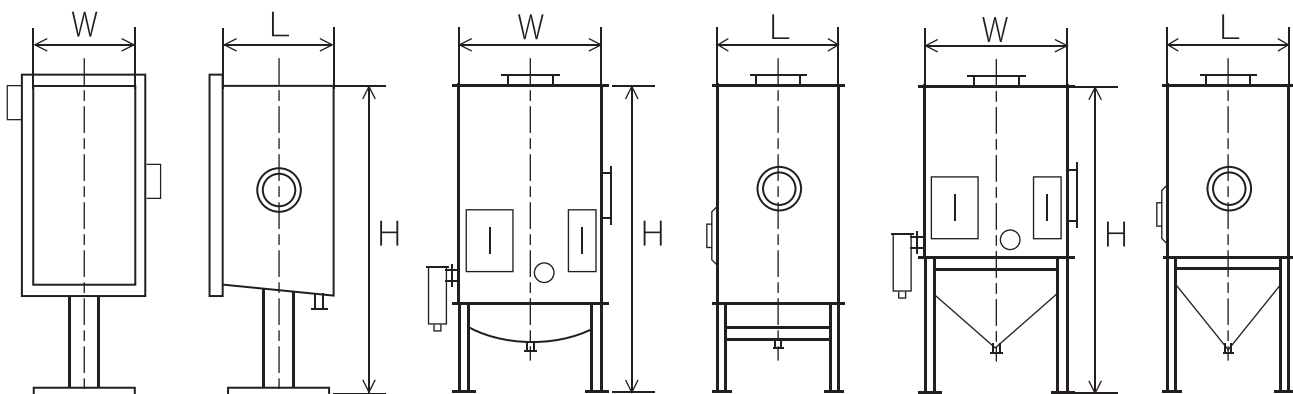
● WS-2~8

● Plane type

For gas absorption and water-soluble dust

● Hopper type

For containing dust



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 OSAKA BRANCH: 3-24-1 Tarumicho, Suita City, Osaka Japan 546-0062

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