



Features

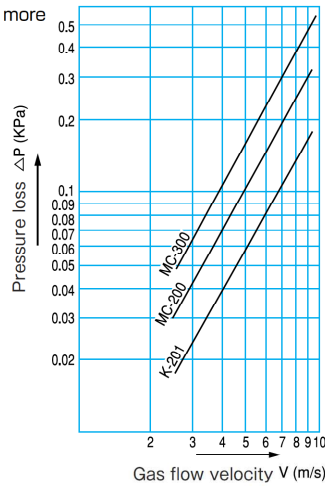
- ❶ High separation efficiency.
- ❷ Low pressure loss from the system.
- ❸ Highly anti-corrosive design.

TMC type standard common specifications

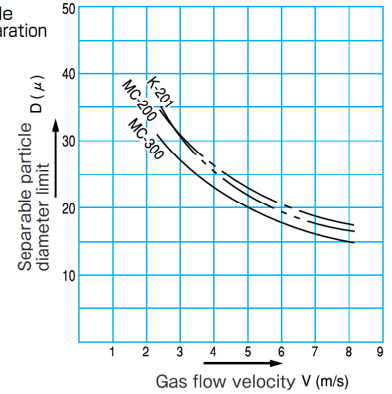
Standard material	Main unit and circulation tank - FRP; Element - PVC (optionally HTPVC or PP)
Standard color	Main unit - Munsell N-7
Pressure loss from the main unit	300 Pa (single); 500 Pa (double)
Allowable inlet temperature	40°C max. with standard design (80°C max. with optional design feature)
Scrubbing column pressure resistance	1500 Pa max.

■ Separation efficiency: 99 % or more

■ Pressure loss



■ Minimum particle diameter for separation



■ Gas flow velocity

Allowable gas flow velocity	2~8m/s
Optimal gas flow velocity	4~7m/s

TMC-S/Wtype (Mist separator)

Dimensions

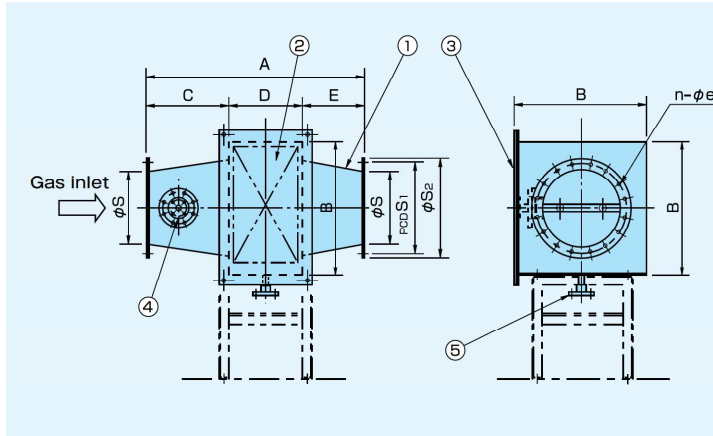


Table of materials

No.	Part name	Material	Quantity	Remarks
1	Housing	FRP	1	
2	Element	PVC	1	The material is PP with K-201. (**)
3	Element removal door	FRP	1	The quantity is two in the case of Model 450 or greater.
4	Scrubbing water inlet	PVC	1	The quantity is two in the case of Models 100 through 300, three in the case of Models 450 through 800.
5	Drain fitting	FRP	1	The quantity is two in the case of Models 600 and 800.

*Option: stand (made of SS400)

**The element is split into two parts with Models 200 and 300, into four parts with Models 450 and 600, into six parts with Model 800.

Airflow rate and dimensions of single type units

Model	Airflow rate (m ³ /min)	A mm	B mm	C mm	D mm	E mm	φ S mm	PCDS1 mm	φ S2 mm	n-φ e Number-φ	Pressure loss (kPa)	Weight (kg)	Liquid flow rate during scrubbing (ℓ/min)	Water inlet Aperture size × number	Drain fitting Aperture size × number
TMC-S-25	17 ~ 25	1050	500	400	350	300	250	322	358	12-10	0.3	30	7	20 × 1	40 × 1
TMC-S-35	26 ~ 45	1050	560	400	350	300	300	382	419	16-12	0.3	35	7	20 × 1	40 × 1
TMC-S-50	46 ~ 55	1050	630	400	350	300	370	432	471	16-12	0.3	40	7	20 × 1	40 × 1
TMC-S-80	56 ~ 85	1250	710	500	350	400	420	482	521	20-12	0.3	50	14	20 × 1	40 × 1
TMC-S-100	86 ~ 120	1250	810	500	350	400	500	590	641	24-12	0.3	65	21	25 × 2	40 × 1
TMC-S-150	121 ~ 175	1500	930	700	350	450	600	670	720	32-12	0.3	85	28	25 × 2	50 × 1
TMC-S-200	176 ~ 230	1600	1140	700	360	540	700	770	820	36-12	0.3	115	60	40 × 2	80 × 1
TMC-S-300	231 ~ 350	1900	1300	900	360	640	800	870	920	40-12	0.3	160	80	40 × 2	80 × 1
TMC-S-450	351 ~ 450	2050	1600	900	360	790	950	1020	1070	46-12	0.3	245	140	40 × 3	100 × 1
TMC-S-600	451 ~ 600	2250	1830	1000	360	890	1150	1220	1270	56-12	0.3	315	200	40 × 3	100 × 2
TMC-S-800	601 ~ 840	2550	2150	1200	360	990	1250	1320	1370	64-12	0.3	420	280	40 × 3	100 × 2

(Note 1) With element MC-300, the pressure loss is 0.10 kPa more.

(Note 2) With a TMC-S type unit, do not perform scrubbing during its operation because mist content is re-sprinkled.

Dimensions

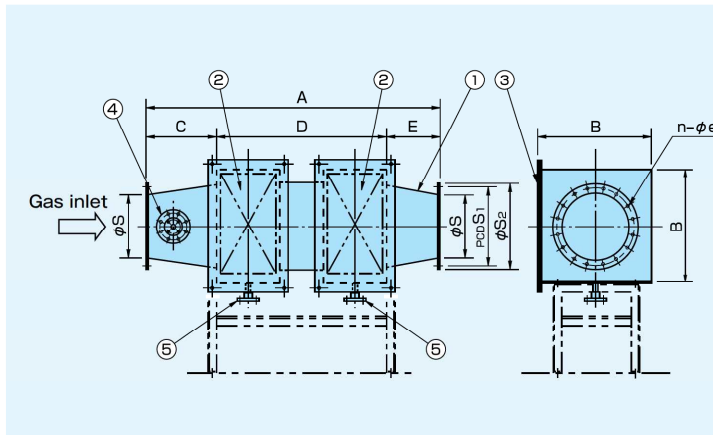


Table of materials

No.	Part name	Material	Quantity	Remarks
1	Housing	FRP	1	
2	Element	PVC	1	The material is PP with K-201. (**)
3	Element removal door	FRP	2	The quantity is four in the case of Model 450 or greater.
4	Scrubbing water inlet	PVC	1	The quantity is two in the case of Models 100 through 300, three in the case of Models 450 through 800.
5	Drain fitting	FRP	2	The quantity is four in the case of Models 600 and 800.

*Option: stand (made of SS400)

**The element is split into two parts with Models 200 and 300, into four parts with Models 450 and 600, into six parts with Model 800.

Airflow rate and dimensions of double type units

Model	Airflow rate (m ³ /min)	A mm	B mm	C mm	D mm	E mm	φ S mm	P S1 mm	φ S2 mm	n-φ e Number-φ	Pressure loss (kPa)	Pressure loss during scrubbing (kPa)	Weight (kg)	Liquid flow rate during scrubbing (ℓ/min)	Water inlet Aperture size × number	Drain fitting Aperture size × number
TMC-W-25	17 ~ 25	1650	500	400	950	300	250	322	358	12-10	0.5	0.6	55	7.0	20 × 1	40 × 2
TMC-W-35	26 ~ 45	1650	560	400	950	300	300	382	419	16-12	0.5	0.6	65	7.0	20 × 1	40 × 2
TMC-W-50	46 ~ 55	1650	630	400	950	300	370	432	471	16-12	0.5	0.6	75	7.0	20 × 1	40 × 2
TMC-W-80	56 ~ 85	1850	710	500	950	400	420	482	521	20-12	0.5	0.6	90	14.0	20 × 1	40 × 2
TMC-W-100	86 ~ 120	1850	810	500	950	400	500	590	641	24-12	0.5	0.6	115	21.0	25 × 2	40 × 2
TMC-W-150	121 ~ 175	2100	930	700	950	450	600	670	720	32-12	0.5	0.6	145	28.0	25 × 2	50 × 2
TMC-W-200	176 ~ 230	2200	1140	700	960	540	700	770	820	36-12	0.5	0.6	200	60.0	40 × 2	80 × 2
TMC-W-300	231 ~ 350	2500	1300	900	960	640	800	870	920	40-12	0.5	0.6	270	80.0	40 × 2	80 × 2
TMC-W-450	351 ~ 450	2700	1600	900	1010	790	950	1020	1070	46-12	0.5	0.6	410	140.0	40 × 3	100 × 2
TMC-W-600	451 ~ 600	2900	1830	1000	1010	890	1150	1220	1270	56-12	0.5	0.6	525	200.0	40 × 3	100 × 4
TMC-W-800	601 ~ 840	3200	2150	1200	1010	990	1250	1320	1370	64-12	0.5	0.6	685	280.0	40 × 3	100 × 4

(Note 1) With element MC-300, the pressure loss is 0.20 kPa more.