

WET SCRUBBERS

# DY FILLED TOWER WASHER



MDSJ filled gas washers are used in many areas. They are particularly effective in minimizing inorganic odors and smokes to the limits, established by environment laws.

**Design Values:** Filled MDSJ washers Tower serves a wide range of industries. MDSJ often organic and inorganic gas-filled scrubbers for the removal of smoke and bad odors are recommended.

## MDSJ FILLED TOWER WASHERS

- Acid Gases (HBr, HCl, HR, HCN)
- Halogen Steam
- Sulphur Compounds Hydrogen Sulphur(H<sub>2</sub>S)
- Sulphur Oxides SO<sub>3</sub>, SO<sub>4</sub>
- Ammoniac NH<sub>3</sub>, Amines
- Chromic Acids
- Etylene Oxides
- Formaldehyde CH<sub>2</sub>O
- Caustic and Hydrocaustics
- MetylProlydon(NMP, C<sub>5</sub>H<sub>9</sub>NO)
- Etylene Glycol (C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>)

## COMMON WASH LIQUID CHEMISTRIES

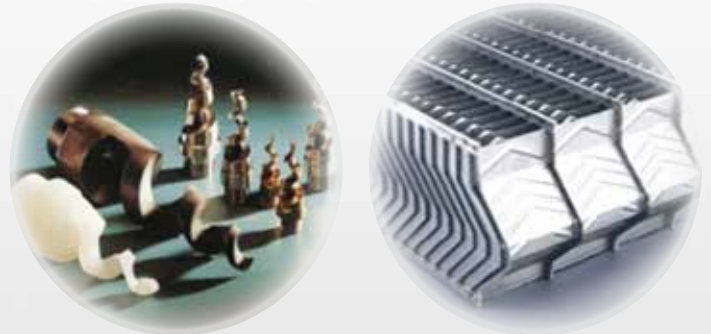
- Sodium Hydroxide (NaOH)
- Sodium Hypochlorite (NaOCl)
- Potassium Hydroxide (KOH)
- Sodium Carbonate (Na<sub>2</sub>CO<sub>3</sub>)
- Sulphuric Acid (H<sub>2</sub>SO<sub>4</sub>)
- Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>)

## CAPACITY

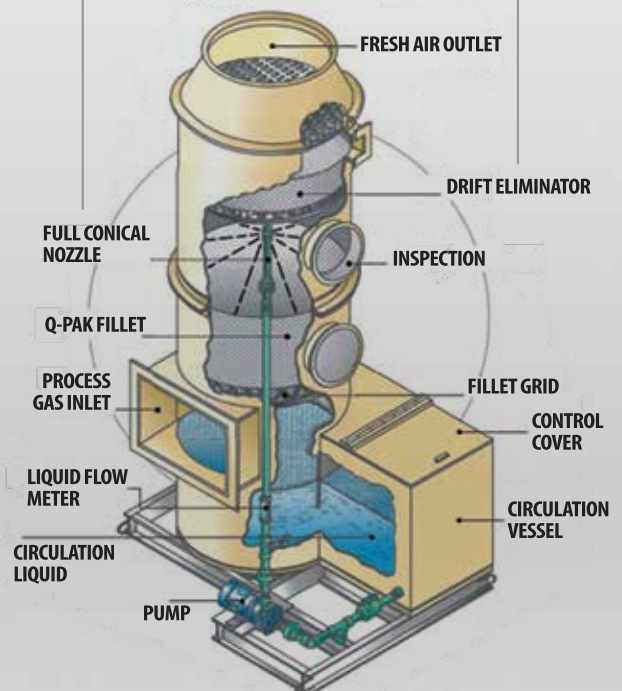
MDSJ Filled Tower Washers (CFM) are established according to the result of the inspection to be done on site to meet customer needs. It is in general manufactured for capacities of 17.000m<sup>3</sup>/h. The rates given in this catalogues are for informative purposes and are not used in manufacturing.

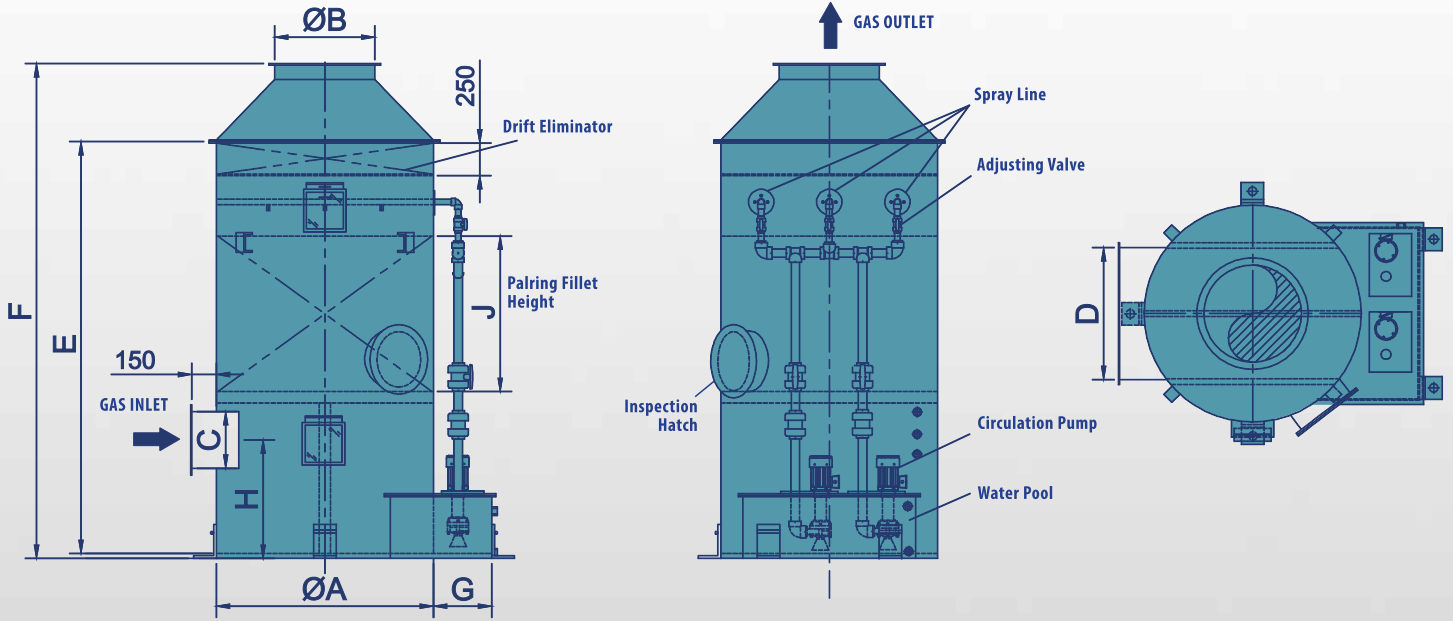
## CONSTRUCTION MATERIALS

MDSJ Filled Tower Washer materials are established at the design stage; because material selection is based on acidic level, temperature and abrasion quality of gas. In general propylene, stainless high density HRP double component materials are preferred. Under high temperatures like over 80°C, stainless 304-316 and 316L are preferred. Optionally walkways, exit stairs and handrails of filled tower constructions are offered at ordering stage.



Drift eliminators and nozzles are made of PP or stainless AISI 316 materials.





The sizes given are for informative purposes and may not be used in manufacturing. For detailed information, contact with MDSJ.

TYPE	CAPACITY	ØA mm	ØB mm	C mm	D mm	E mm						F mm						G mm	H mm
						J=900	J=1500	J=1700	J=2000	J=2500	J=3000	J=900	J=1500	J=1700	J=2000	J=2500	J=3000		
DY-85	850	420	240	Ø240		3990	4590	4790	5090	5590	6090	4410	5010	5210	5510	6010	6510	540	870
DY-170	1.700	600	300	Ø300		4050	4650	4850	5150	5650	6150	4470	5070	5270	5570	6070	6570	540	900
DY-340	3.400	740	420	Ø420		4170	4770	4970	5270	5770	6270	4650	5250	5450	5750	6250	6750	540	960
DY-510	5.100	1020	480	Ø480		4230	4830	5030	5330	5830	6330	3870	4470	4670	4970	5470	5970	540	990
DY-680	6.800	1200	540	Ø540		4290	4890	5090	5390	5890	6390	3990	4590	4790	5090	5590	6090	540	1020
DY-850	8.500	1260	600	Ø600		4350	4950	5150	5450	5950	6450	4950	5550	5750	6050	6550	7050	540	1050
DY-1020	10.200	1440	660	420	900	3270	3870	4070	4370	4870	5370	4830	5430	5630	5930	6430	6930	540	960
DY-1360	13.600	1620	720	540	960	4290	4890	5090	5390	5890	6390	5010	5610	5810	6110	6610	7110	540	1020
DY-1700	17.000	1800	780	600	1080	4350	4950	5150	5450	5950	6450	5130	5730	5930	6230	6730	7230	540	1050
DY-2040	20.400	1980	900	600	1260	4350	4950	5150	5450	5950	6450	5130	5730	5930	6230	6730	7230	540	1050
DY-2380	23.800	1980	960	600	1440	4350	4950	5150	5450	5950	6450	5190	5790	5990	6290	6790	7290	540	1050
DY-2720	27.200	2160	1020	600	1620	4350	4950	5150	5450	5950	6450	5250	5850	6050	6350	6850	7350	540	1050
DY-3060	30.600	2340	1080	660	1800	4410	5010	5210	5510	6010	6510	5370	5970	6170	6470	6970	7470	540	1080
DY-3400	34.000	2520	1140	660	1800	4410	5010	5210	5510	6010	6510	5370	5970	6170	6470	6970	7470	540	1080
DY-3740	37.400	2880	1200	660	2160	4410	5010	5210	5510	6010	6510	5490	6090	6290	6590	7090	7590	540	1080
DY-4080	40.800	2880	1260	660	2160	4410	5010	5210	5510	6010	6510	5490	6090	6290	6590	7090	7590	540	1080
DY-4420	44.200	3240	1260	720	2520	4470	5070	5270	5570	6070	6570	5730	6330	6530	6830	7330	7830	540	1110
DY-4760	47.600	3240	1440	720	2520	4470	5070	5270	5570	6070	6570	5730	6330	6530	6830	7330	7830	540	1110
DY-5100	51.000	3240	1440	720	2520	4470	5070	5270	5570	6070	6570	5730	6330	6530	6830	7330	7830	540	1110
DY-6120	61.200	3600	1620	840	2880	4590	5190	5390	5690	6190	6690	5850	6450	6650	6950	7450	7950	540	1170
DY-6800	68.000	3600	1620	840	2880	4590	5190	5390	5690	6190	6690	5850	6450	6650	6950	7450	7950	540	1170
DY-7650	76.500	3960	1800	840	3240	4590	5190	5390	5690	6190	6690	5910	6510	6710	7010	7510	8010	540	1170
DY-8500	85.000	4320	1800	960	3360	4710	5310	5510	5810	6310	6810	6210	6810	7010	7310	7810	8310	540	1230
DY-9350	93.500	4320	1980	960	3360	4710	5310	5510	5810	6310	6810	6210	6810	7010	7310	7810	8310	540	1230
DY-1020	102.000	5040	1980	1080	3900	5070	5670	5870	6170	6670	7170	6870	7470	7670	7970	8470	8970	720	1470
DY-1190	119.000	5040	2160	1080	3900	5070	5670	5870	6170	6670	7170	6870	7470	7670	7970	8470	8970	720	1470
DY-1360	136.000	5760	2280	1080	4500	5070	5670	5870	6170	6670	7170	7050	7650	7850	8150	8650	9150	720	1470
DY-1530	153.000	5760	2400	1260	4500	5280	5880	6080	6380	6880	7380	7260	7860	8060	8360	8860	9360	720	1560
DY-1700	170.000	5760	2520	1440	4500	5460	6060	6260	6560	7060	7560	7440	8040	8240	8540	9040	9540	720	1650

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