

BRY-AIR (ASIA) PVT. LTD.

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MOULD DEHUMIDIFICATION SYSTEMS

MDS-SERIES

MDS-SERIES CABINET-STYLE MOULD DEHUMIDIFIER

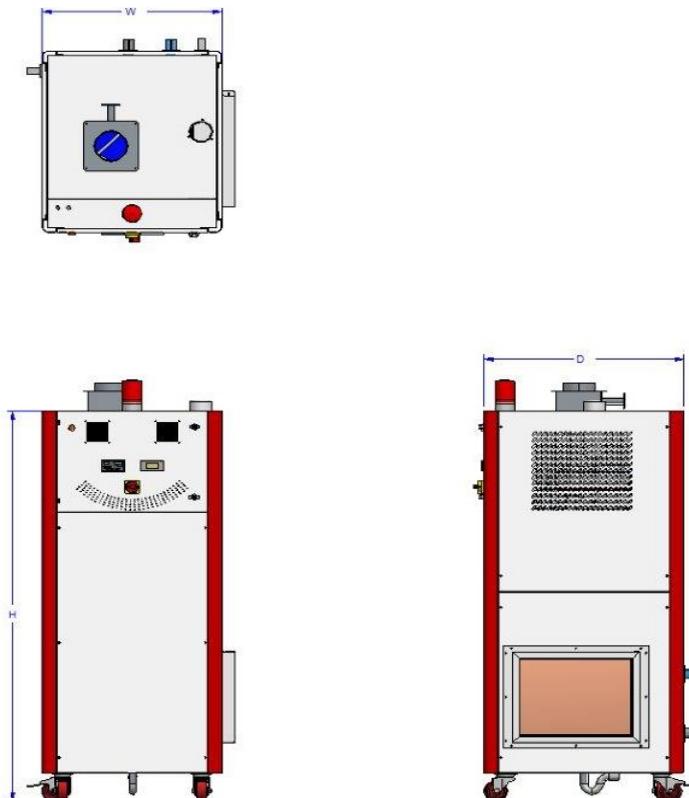
ALL MDS-SERIES FLOOR-MOUNT CABINET-STYLE MOULD DEHUMIDIFIER COME STANDARD WITH :

- CNC MANUFACTURED, WITH POWDER COATED FINISH
- HONEY COMB DESIGN FLUTED MEDIA WHEEL
- CHILLED WATER COOLING COILS FOR PRE COOLER DESIGN AT 7°C INLET
- TUBULAR TYPE SS HEATERS
- EASY CLEANABLE AIR INLET FILTER
- TEMPERATURE DISPLAY AND RH FOR PROCESS OUTLET
- CASTOR WHEEL MOUNTED CABINET FOR EASY MOVEMENT
- PLUG FAN COMMON FOR PROCESS AND REACT AIR
- QUICK OPENABLE ACCESS PANELS FOR SERVICE & MAINTAINANCE
- INDICATIONS FOR OPERATION & ALARMS
- AIR OUTLET DAMPERS FOR AIR CONTROL

SPECIFICATION SHEET FOR NEW GENERATION MDS SERIES DEHUMIDIFIERS

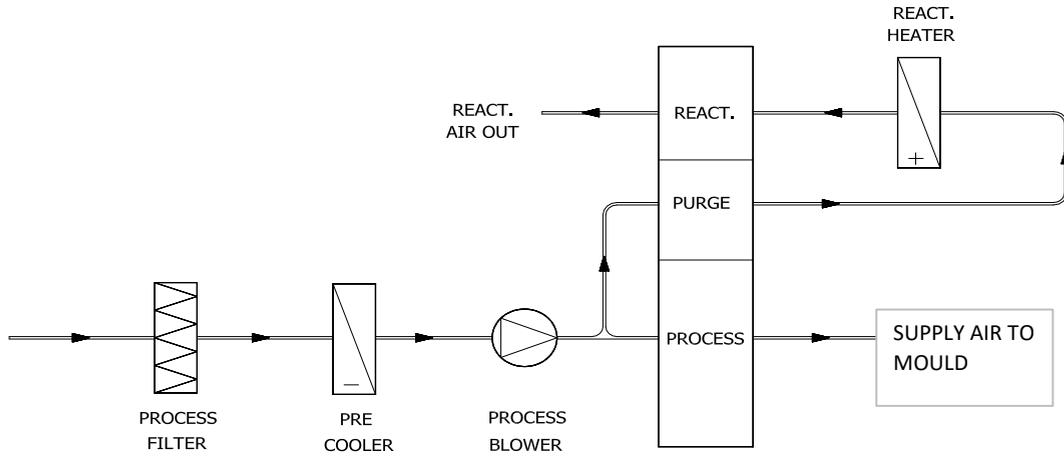
MODEL	AIR FLOW CMH		HOSE CONNECTION IN MM.	TOTAL LOAD KW	REACT HEATER KW	BLOWER KW	BED DRIVE MOTOR KW	REQ.CHILLED WATER		DIMENSION IN MM			APPROX. SHIPPING WEIGHT (KG)
	PROCESS	REACT						PRE COIL @ 7°C INLET		D	W	H	
								GPM	LPM				
MDS-500	500	100	150	4.6	3.8	0.79	0.02	10	39	894	805	1920	315
MDS-1000	1000	200	200	8.8	7.6	1.19	0.02	20	75	894	805	1920	335
MDS-1500	1500	300	250	12.9	11.4	1.51	0.04	30	114	1185	1065	2500	440
MDS-2000	2000	400	250	15.9	14.0	1.9	0.04	39	148	1185	1065	2500	480
MDS-2500	2500	500	300	20.2	18.0	2.2	0.04	49	186	1285	1165	2500	570
MDS-3000	3000	600	300	22.2	20.0	2.2	0.04	58	220	1285	1165	2500	590

UNIT LAYOUT



ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE

TYPICAL FLOW DIAGRAM



THE HEART OF BRY-AIR'S MOULD DEHUMIDIFICATION SYSTEM IS THE HONEY COMB DESSICANT WHEEL WHICH ENSURES OPTIMUM RESULTS YEAR ROUND BY SIMPLY LOWERING THE DEWPOINT SURROUNDING THE MOULDS APPROXIMATELY 5 TO 10 DEGREES LOWER THAN THE TEMPERATURE OF THE CHILLED WATER IN THE MOULD. BY MAINTAINING THIS CONSISTENTLY AT LOWER DEWPOINT, MOULD SWEATING IS ELIMINATED, THUS RESULTING IN DECREASED RUSTING AND CORROSION OF THE EQUIPMENT.

THE BRY-AIR HONEY COMB DESSICANT DEHUMIDIFIER IS ABLE TO MAINTAIN CONSTANT LOW DEWPOINT BY REMOVING THE MOISTURE FROM THE AIR SURROUNDING THE MOULD THROUGH A PROCESS OF CONTINUOUS PHYSICAL ADSORPTION. THE MOISTURE IS ADSORBED IN THE DEHUMIDIFICATION SECTOR OF THE ROTATING HONEYCOMB DESSICANT ROTOR AND IS EXPELLED IN THE REACTIVATION SECTOR ON A CONTINUOUS BASIS.

OPTION AVAILABILITY				
AVAILABILITY				
DESCRIPTION	MDS-500	MDS-1000	MDS-1500	MDS-2000
Y-DAMPER ASSEMBLY	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE
INTER CONNECTING HOSE	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE
DEW POINT DISPLAY	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE

UTILITY DETAILS						
Model	Main connection cable size 4 core in copper (Sqmm)	Main MCB (Amp)	Pre Coil connection Size (in BSP)	Pre Coil Water Pressure (PSI)	Pre Coil Water Flow (GPM)	Pre Coil Req. Chiller Tonnage
MDS-500	2.5	16	1"	3.9	10	3.8
MDS-1000	2.5	20	1."	2.4	20	7.2
MDS-1500	6.0	30	1.5"	2.9	30.0	11.1
MDS-2000	6.0	40	1.5"	4.2	39	14.8
MDS-2500	10.0	50	1.5"	3.9	49	18.4
MDS-3000	10.0	63	1.5"	4.5	58	21.7

Note : As mention above coil data is based on water inlet 7°C.

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