

DMD SERIES

DESICCANT MODULAR REGENERATIVE DRYERS



SULLAIR®

FREQUENCY: 60 Hz & 50 Hz

Model #	Flow Rate (scfm)	Connection Size (in) NPT	Height (in)	Width (in)	Depth (in)	Weight (lbs)
DMD-3	3	½"	22	13	10	32
DMD-5	5	½"	25	13	10	36
DMD-10	10	½"	36	13	10	52
DMD-15	15	½"	32	15	10	57
DMD-20	20	½"	44	15	10	79
DMD-25	25	½"	50	15	10	90
DMD-30	30	½"	59	15	10	107
DMD-40	40	1½"	49	16	17	156
DMD-50	50	1½"	55	16	17	172
DMD-60	60	1½"	69	16	17	202
DMD-75	75	1½"	51	16	23	257
DMD-100	100	1½"	57	16	23	286
DMD-120	120	1½"	69	16	23	334
DMD-180	180	1½"	59	16	28	407
DMD-240	240	1½"	59	16	33	519

CAPACITY CORRECTION FACTORS FOR DIFFERING OPERATING PRESSURE

Operating Pressure <i>psig</i>	50	60	70	80	90	100	110	120	130	140	150	175	200	225	250
Correction Factor	0.56	0.65	0.74	0.83	0.91	1.00	1.04	1.08	1.12	1.16	1.2	1.29	1.37	1.45	1.52

CAPACITY CORRECTION FACTORS FOR DIFFERING INLET AIR TEMPERATURES

Inlet Air Temperature <i>°F</i>	70	80	90	100	105	110	115	120
Correction Factor	1.12	1.1	1.06	1	0.93	0.86	0.8	0.75

Air flow capacity = Operating pressure x Inlet air temperature

Standard outlet pressure dew point <i>°F</i>	-40
Standard operating voltage	115–230V/1PH
Pre- and post-filtration required	
Required pre-filtration grade <i>µm</i>	.01
Required post-filtration grade <i>µm</i>	1
ASME/CRN approved pressure vessels	
cULus control panel	
Max inlet air temperature <i>°F</i>	122
Min/max ambient air temperature <i>°F</i>	34/122
Min/max operating pressure <i>psig</i>	58/232
Average Purge Air*	15%

* Purge air percentage is the amount of dried compressed air diverted from the active drying vessel to the other vessel during the regeneration process. The diverted air does not return to the system. Meaning the lower the average purge percentage, the higher system efficiency is.