

DESICCANT REGENERATIVE DRYERS

SULLAIR HEATLESS DESICCANT MODULAR DRYERS (DMD)

Standard Features

- Completely automatic
- Compact design
- -40°F pressure dew point
- Adjustable wall mounted
- Quick and easy connection
- Long lasting high quality components

Options

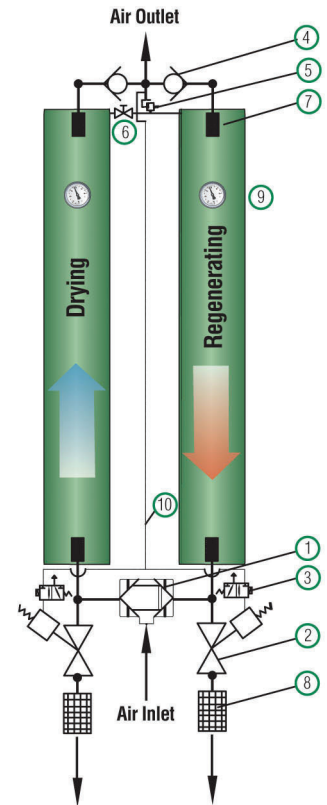
- Pre- and after-filter (shipped loose)
- Mounted filters with three valve bypass
- Visual Moisture Indicator
- Energy efficient Demand Cycle Control with dew point monitor
- Dew point monitor
- -4°F or -100°F pressure dew point



Desiccant Modular Dryer

DMD drawing description:

- 1 Inlet valve
- 2 Purge exhaust valve
- 3 Pilot valve
- 4 Outlet check valve
- 5 Pressure relief valve
- 6 Purge adjustment valve
- 7 Stainless steel inlet defuser
- 8 Purge exhaust muffler
- 9 Pressure gauge
- 10 Control air line



DESICCANT MODULAR DRYER

MODEL	SCFM	INLET – OUTLET CONNECTION	WIDTH IN	DEPTH IN	HEIGHT IN	WEIGHT LBS	ELECTRICAL	PRE-FILTER	AFTER-FILTER
DMD-3	3	1/2" NPT	13	10	22	32	115 - 230 / 1 / 50 & 60 Hz	FXH-25	FXFR-25
DMD-5	5	1/2" NPT	13	10	25	36	115 - 230 / 1 / 50 & 60 Hz	FXH-25	FXFR-25
DMD-10	10	1/2" NPT	13	10	36	52	115 - 230 / 1 / 50 & 60 Hz	FXH-25	FXFR-25
DMD-15	15	1/2" NPT	15	10	32	57	115 - 230 / 1 / 50 & 60 Hz	FXH-25	FXFR-25
DMD-20	20	1/2" NPT	15	10	44	79	115 - 230 / 1 / 50 & 60 Hz	FXH-25	FXFR-25
DMD-25	25	1/2" NPT	15	10	50	90	115 - 230 / 1 / 50 & 60 Hz	FXH-25	FXFR-25
DMD-30	30	1/2" NPT	15	10	59	107	115 - 230 / 1 / 50 & 60 Hz	FXH-45	FXFR-45
DMD-40	40	1-1/2" NPT	16	17	49	156	115 - 230 / 1 / 50 & 60 Hz	FXH-45	FXFR-45
DMD-50	50	1-1/2" NPT	16	17	55	172	115 - 230 / 1 / 50 & 60 Hz	FXH-65	FXFR-65
DMD-60	60	1-1/2" NPT	16	17	69	202	115 - 230 / 1 / 50 & 60 Hz	FXH-65	FXFR-65
DMD-75	75	1-1/2" NPT	16	23	51	257	115 - 230 / 1 / 50 & 60 Hz	FXH-130	FXFR-130
DMD-100	100	1-1/2" NPT	16	23	57	286	115 - 230 / 1 / 50 & 60 Hz	FXH-130	FXFR-130
DMD-120	120	1-1/2" NPT	16	23	69	334	115 - 230 / 1 / 50 & 60 Hz	FXH-130	FXFR-130
DMD-180	180	1-1/2" NPT	16	28	59	407	115 - 230 / 1 / 50 & 60 Hz	FXH-240	FXFR-240
DMD-240	240	1-1/2" NPT	16	33	59	519	115 - 230 / 1 / 50 & 60 Hz	FXH-240	FXFR-240

DESICCANT REGENERATIVE DRYERS



DESICCANT HEATLESS DRYER

MODEL	SCFM	INLET – OUTLET CONNECTION	WIDTH IN	DEPTH IN	HEIGHT IN	WEIGHT LBS	ELECTRICAL	PRE-FILTER	AFTER-FILTER
DHL-80	80	3/4" NPT	24	31	84	450	115-1-60	FXH-130	FXFR-130
DHL-100	100	1" NPT	24	31	84	550	115-1-60	FXH-130	FXFR-130
DHL-125	125	1" NPT	24	31	84	600	115-1-60	FXH-130	FXFR-130
DHL-150	150	1" NPT	24	33	84	650	115-1-60	FXH-240	FXFR-240
DHL-200	200	1" NPT	24	33	84	880	115-1-60	FXH-240	FXFR-240
DHL-250	250	1-1/2" NPT	24	39	87	1250	115-1-60	FXH-350	FXFR-350
DHL-300	300	1-1/2" NPT	24	39	87	1350	115-1-60	FXH-350	FXFR-350
DHL-400	400	2" NPT	26	45	89	1900	115-1-60	FXH-475	FXFR-475
DHL-500	500	2" NPT	26	45	89	2200	115-1-60	FXH-700	FXFR-700
DHL-600	600	2" NPT	26	45	89	2500	115-1-60	FXH-700	FXFR-700
DHL-800	800	3" FLG	40	66	93	2800	115-1-60	FXH-1350	FXFR-1350
DHL-1000	1000	3" FLG	40	66	93	4150	115-1-60	FXH-1350	FXFR-1350
DHL-1250	1250	3" FLG	40	70	93	4400	115-1-60	FXH-1350	FXFR-1350
DHL-1500	1500	3" FLG	40	70	93	4700	115-1-60	FXH-1600	FXFR-1600
DHL-2000	2000	3" FLG	40	76	97	4900	115-1-60	FWH-2500	FXFR-2500
DHL-2500	2500	4" FLG	50	93	109	5600	115-1-60	FWH-2500	FXFR-2500
DHL-3000	3000	6" FLG	50	93	109	8100	115-1-60	FWH-3800	FXFR-3800
DHL-3500	3500	6" FLG	64	118	117	8300	115-1-60	FWH-3800	FXFR-3800
DHL-4000	4000	6" FLG	64	118	117	10500	115-1-60	FWH-5000	FXFR-5000
DHL-4500	4500	6" FLG	64	120	122	11800	115-1-60	FWH-5000	FXFR-5000
DHL-5000	5000	6" FLG	64	120	122	14500	115-1-60	FWH-5000	FXFR-5000

CAPACITY CORRECTION FACTORS (FOR ALL SULLAIR DESICCANT DRYERS)

CORRECTION FACTOR FOR INLET AIR PRESSURE (F1)

INLET PRESSURE	psig	50	60	70	80	90	100	110	120	130	140	150	175	200	225	250
	bar	3.5	4.1	4.8	5.5	6.2	6.9	7.6	8.3	9	9.7	10.3	12.1	13.8	15.5	17.3
FACTOR PRESSURE: F1		0.56	0.65	0.74	0.83	0.91	1	1.04	1.08	1.12	1.16	1.2	1.29	1.37	1.45	1.52

CORRECTION FACTOR FOR TEMPERATURE (F2)

°F	70	80	90	100	105	110	115	120
	°C	21	27	32	38	40	43	46
FACTOR: F2	1.12	1.1	1.06	1	0.93	0.86	0.8	0.75

Air flow capacity = Nominal capacity of the dryer x Factor F1 x Factor F2



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