



**Chicago
Pneumatic**

**CPAD/M
Series**

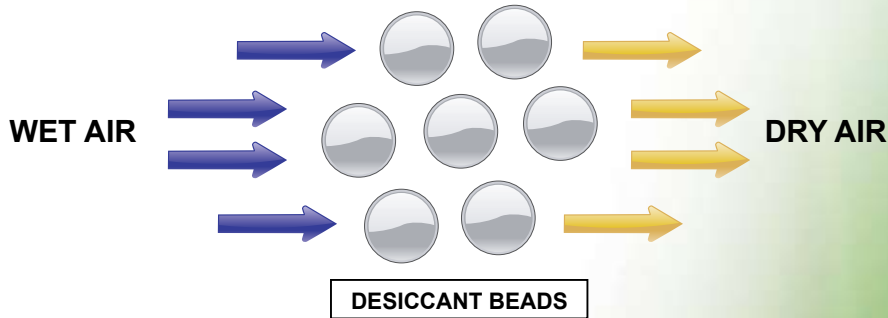


**HEATLESS REGENERATIVE
AIR/GAS DRYERS
5 to 3100 SCFM**

*High-performance products.
Designed for you !*

ABSOLUTELY DRY AIR

Saturated compressed air enters the dryer and passes over the desiccant, where moisture in the air is adsorbed onto the desiccant beads providing dew points of at least -40°F. Chicago Pneumatic uses large diameter activated alumina at the bottom of the desiccant bed as an active bed support, thus improving the regeneration process.

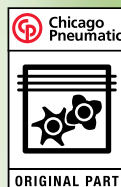


FEATURES

- Active Desiccant Bed Support
 - ▬ Prevents Desiccant Powder from Moving Downstream
 - ▬ Ensures Maximum Absorption by Desiccant
- Trouble-Free Maintenance and Easily Serviced
- Simple Design and Quiet Operation
- Oversize Towers Reduce Air Velocity
- Low Pressure Drop - Less Than 3 PSID at Rated Flow
- 6' Power Cord (CPADM)
- Tower Pressure Gauges and Pressure Relief Valves
- Check Valve/Butterfly Valves (CPAD)
- Solenoid Operated Inlet and Purge Valves (CPADM)

OPTIONS

- Chicago Pneumatic's Dew Point Demand System (DPD):
 - ▬ Extend the Drying Cycle Without Purging
 - ▬ Senses the Dew Point at the Outlet of the Dryer
 - ▬ Adjustable Dew Point Settings
 - ▬ Reduces Purge Loss
 - ▬ Extends Valve Life
 - ▬ High Humidity Alarm*
 - ▬ Failure to Shift Alarm*
 - ▬ Has Digital Dew Point Display
- -100°F Dew Point (5 min. cycle)



*Dry contacts available for these alarms

OPERATING SPECIFICATIONS

Operating Pressure:	100 PSIG
Operating Temp:	100°F
Minimum Inlet Temp:	70°F
Maximum Inlet Temp:	120°F
Design Pressure:	150 PSIG at 450°F (Vessels)
Outlet Dew Point:	-40°F
Power Supply:	115V - 1PH - 60HZ (1 Amp Fuse)
Electricals:	NEMA 4
NEMA Cycle:	10 Minutes
Desiccant:	Activated Alumina

INTRODUCING CYCLE KNIGHT

THE CPAD CYCLE KNIGHT DIGITAL CONTROL

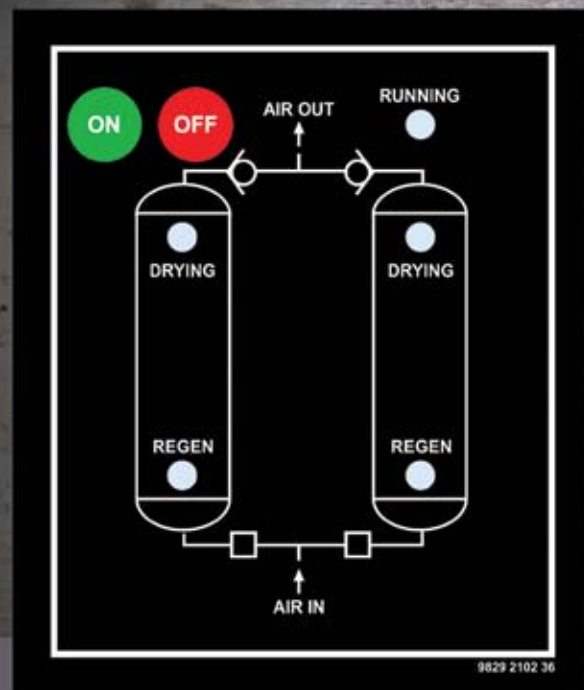
Custom engineered to facilitate the operation of the Chicago Pneumatic CPAD Series Heatless Regenerative Dryers.

CYCLE KNIGHT BENEFITS

- Dry Contacts for Alarm Outputs
- LED Sequence Indicators in Accordance with Options Selected
- Plan maintenance during cycle intervals
- Enhance Cycle Knight with optional Dew Point Demand System

CYCLE KNIGHT INDICATES

- Actual Sequence Time
- Left and Right Tower Drying
- Left and Right Tower Regenerating
- CPAD Dryer Operation



TECHNICAL DATA

MODEL	CAPACITY (SCFM)	PURGE (SCFM)	DESICCANT (LBS/TOWER)	INLET/OUTLET	APPROX. WEIGHT (LBS)	DIMENSIONS (L" x W" x H")
CPAD						
CPAD-35	35	4.9	23	3/4" NPT	390	41 x 20 x 66
CPAD-50	50	7	33	3/4" NPT	450	41 x 20 x 63
CPAD-75	75	10.5	50	1" NPT	500	41 x 22 x 60
CPAD-100	100	14	65	1" NPT	550	41 x 22 x 74
CPAD-150	150	21	100	1 1/2" NPT	600	42 x 24 x 76
CPAD-200	200	28	130	1 1/2" NPT	775	43 x 26 x 84
CPAD-250	250	35	165	1 1/2" NPT	800	43 x 26 x 84
CPAD-300	300	42	195	2" NPT	1050	56 x 28 x 77
CPAD-350	350	50	230	2" NPT	1200	56 x 29 x 89
CPAD-400	400	56	265	2" NPT	1285	58 x 32 x 81
CPAD-500	500	70	340	2" NPT	1500	64 x 34 x 81
CPAD-650	650	91	410	2" NPT	2170	68 x 36 x 95
CPAD-750	750	108	460	2 1/2" FLG	2400	76 x 38 x 100
CPAD-1000	1000	140	725	2 1/2" FLG	2700	80 x 40 x 92
CPAD-1250	1250	175	850	3" FLG	3200	86 x 44 x 108
CPAD-1500	1500	210	1020	3" FLG	3750	92 x 50 x 92
CPAD-1800	1800	252	1150	4" FLG	4400	102 x 52 x 109
CPAD-2100	2100	294	1375	4" FLG	5600	108 x 54 x 99
CPAD-2600	2600	364	1650	4" FLG	6800	108 x 54 x 111
CPAD-3100	3100	434	1950	6" FLG	7600	114 x 60 x 138
CPADM						
CPADM-5	5	.7	6	1/4" NPT	110	16 x 6 1/4 x 23
CPADM-10	10	1.4	18	1/2" NPT	140	22 x 8 1/4 x 36 1/2
CPADM-15	15	2.1	18	1/2" NPT	155	22 x 8 1/4 x 36 1/2
CPADM-25	25	3.5	28	1/2" NPT	165	22 x 8 1/4 x 36 1/2
CPADM-35	35	4.9	40	1/2" NPT	185	22 x 8 1/4 x 36 1/2
CPADM-50	50	7	56	1/2" NPT	200	22 x 8 1/4 x 36 1/2



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