

# Refrigerated Dryers



## Pneumatech Pride

Pneumatech has been manufacturing energy-efficient refrigerated dryers for nearly 50 years. Pneumatech cycling refrigerated dryers only operate according to the air flow, unlike non-cycling refrigerated dryers that operate continuously even if the air flow is changing.

*The AC 15-2100 is an innovative and energy efficient product at a competitive value. If you are in need of a lower dew point, Pneumatech offers desiccant dryers as well.*



## AC 15-2100 air-cooled AC 1250-2100 water-cooled

Design standards	AC 15-200	AC 250-600	AC 650-2100
Dew point	3°C/37°F	3°C/37°F	3°C/37°F
Pressure range	4-16 bar/60-232 psi (AC 125-200: 13bar/189psi)	4-14 bar/60-203 psi	4-14 bar/60-203 psi
Voltages	115-230 V	230-400 or 460 V	380-400 or 460 V
Frequency	50-60 Hz	50-60 Hz	50-60 Hz
Controller	Advanced	Purelogic™ controller	Purelogic™ controller
Technology	Refrigerant R134a (AC 125-200 R410A)	Refrigerant R410a	Refrigerant R410a
Usage	Continuous	Continuous	Continuous
Transportability	Easy to transport	Forklift slots	Forklift slots
Common applications	Textile, general industry, wood, pulp and paper, automotive	Textile, general industry, wood, pulp and paper, cement, mining	Textile, general industry, wood, pulp and paper, cement, mining

Important features & benefits
Purelogic™ advanced controller (only from AC 250-2100)
Integrated water separator
No loss of expensive compressed air during drain discharge
Steady cooling in a wide range of ambient temperatures
Energy savings even at full load
No-loss electronic level drain, with manual back-up drain
Hot gas bypass valve (prevents freezing at lower loads)
Remote control possibilities
Individual fan cycling switches
Heavy duty fan motors

Options	AC 15-200	AC 250-600	AC 650-2100
Integrated high efficiency filters	• (AC 125-200)	–	–
IP54	•	•	✓*
IP23	✓	✓	✓
Anchor pads	–	–	•
Purelogic™ controller	–	✓	✓
Remote start/stop (sales kit)	•	✓	✓
Automatic hot gas bypass	✓	✓	–
Electronic hot gas bypass	–	–	✓
Flow switch	–	✓	✓
Saver cycle control	✓	✓	✓
Pressure dew point alarm	✓	✓	✓

- ✓ Standard
- Optional
- Not available

\* Optional for AC 650-1050



# Technical data

50Hz

**pneumatech**

Pure air . Pure gas

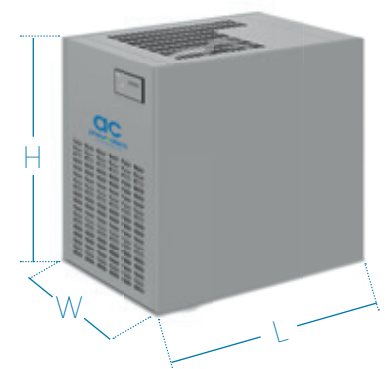
Type	Maximum inlet conditions at full flow (ambient/inlet)	Inlet flow with a pressure dewpoint (PDP) of 3°C/37°F			Pressure drop at full flow		Power consumption		Maximum working pressure		Compressed air connections	Dimensions (mm)			Dimensions (in)			Weight	
	°C	l/min	m³/h	cfm	mbar	psi	kW	hp	bar	psi		L	W	H	L	W	H	kg	lb
AC-15 A	50/60	360	22	13	70	1.0	0.20	0.27	16	233	R 3/4	496	380	461	19.5	14.9	18.2	27	60
AC-20 A	50/60	600	36	21	110	1.6	0.20	0.27	16	233	R 3/4	496	380	461	19.5	14.9	18.2	27	60
AC-30 A	50/60	900	54	32	120	1.7	0.33	0.45	16	233	R 3/4	496	380	461	19.5	14.9	18.2	32	70
AC-40 A	50/60	1200	72	42	120	1.7	0.41	0.56	16	233	R 3/4	496	380	461	19.5	14.9	18.2	34	75
AC-50 A	50/60	1500	90	53	170	2.5	0.41	0.56	16	233	R 3/4	496	380	461	19.5	14.9	18.2	34	75
AC-65 A	50/60	1800	108	64	250	3.6	0.41	0.56	16	233	R 3/4	496	380	461	19.5	14.9	18.2	34	75
AC-85 A	50/60	2400	144	85	200	2.9	0.57	0.76	16	233	R 1	716	380	676	28.2	15.0	26.6	57	125
AC-100 A	50/60	3000	180	106	200	2.9	0.54	0.72	16	233	R 1	716	380	676	28.2	15.0	26.6	58	128
AC-125 A	50/60	3600	216	127	210	3	0.69	0.92	13	189	R 1	696	500	680	27.4	19.7	26.8	72.5	160
AC-150 A	50/60	4200	252	148	220	3.2	0.70	0.94	13	189	R 1	696	500	680	27.4	19.7	26.8	72.5	160
AC-200 A	50/60	5700	342	201	220	3.2	0.88	1.18	13	189	R 1	696	500	680	27.4	19.7	26.8	99.5	219
AC-250 A	50/60	7200	432	254	110	1.6	1.00	1.30	14	203	R 1 1/2	882	661	1015	34.7	26.0	40.0	170	375
AC-300 A	50/60	9000	540	318	150	2.2	1.00	1.30	14	203	R 1 1/2	882	661	1015	34.7	26.0	40.0	170	375
AC-350 A	50/60	11100	666	392	220	3.2	1.40	1.90	14	203	R 2 1/2	947	801	1026	37.3	31.5	40.4	185	408
AC-450 A	50/60	13200	792	466	120	1.74	1.90	2.50	14	203	R 2 1/2	947	801	1026	37.3	31.5	40.4	197	434
AC-500 A	50/60	14700	882	519	180	2.6	2.10	2.80	14	203	R 2 1/2	947	801	1026	37.3	31.5	40.4	197	434
AC-600 A	50/60	17100	1026	604	220	3.2	2.20	2.90	14	203	R 2 1/2	947	801	1026	37.3	31.5	40.4	197	434
AC-650 A	46/56	18600	1116	657	230	3.3	2.80	3.75	14	203	R 3	986	850	1190	38.8	33.5	46.9	200	441
AC-850 A	46/56	24600	1476	869	210	3.0	4.60	6.17	14	203	R 3	1250	850	1375	49.2	33.5	54.1	240	529
AC-1050 A	46/56	30600	1836	1081	200	2.9	6.40	8.58	14	203	R 3	1525	850	1375	60.0	33.5	54.1	310	683
AC-1250 A	40/50	36600	2196	1293	170	2.5	4.80	6.40	14	203	DN100	1040	1060	1580	40.9	41.7	62.2	320	705
AC-1600 A	40/50	45600	2736	1611	170	2.5	5.30	7.10	14	203	DN100	1245	1060	1580	49.0	41.7	62.2	380	838
AC-1800 A	40/50	52200	3132	1844	140	2.0	6.60	8.80	14	203	DN150	1245	1060	1580	49.0	41.7	62.2	400	882
AC-2100 A	40/50	60600	3636	2141	170	2.5	7.40	9.90	14	203	DN150	1580	1060	1580	62.2	41.7	62.2	460	1014
<b>WATER-COOLED VERSIONS</b>																			
AC-1250 W	40/50	36600	2196	1293	170	2.5	3.10	4.20	14	203	DN100	1245	1060	1580	49.0	41.7	62.2	350	772
AC-1600 W	40/50	45600	2736	1611	170	2.5	3.60	4.80	14	203	DN100	1245	1060	1580	49.0	41.7	62.2	360	794
AC-1800 W	40/50	52200	3132	1844	140	2.0	4.50	6.00	14	203	DN150	1245	1060	1580	49.0	41.7	62.2	370	816
AC-2100 W	40/50	60600	3636	2141	170	2.5	5.10	6.80	14	203	DN150	1245	1060	1580	49.0	41.7	62.2	380	838

**Reference conditions (50 Hz):**

Performance data per ISO 7183:2007

- Ambient temperature: 25°C/77°F
- Inlet compressed air temperature: 35°C/95°F
- Inlet pressure: 7 bar(e)/102 psig

Correction factors should be applied if the conditions are deviating from the reference conditions.



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