



- | Large condenser for high ambient temperatures
- | Anti-recycle feature for compressor protection
- | Low pressure drop across advanced heat exchangers saves energy
- | The dryers have been designed for nominal standard inlet conditions as per ISO 7183 - 2007
- | Dryer Quality class - ISO 8573 - 1 : 2010 (E) class -5-



Refrigeration Compressed Air Dryer

Coldspell

Specification of Dryer

Model	Item Code	Flow in scfm	Power consumption (KW) R134a/R407c	End connection	Dimension (mm)			Weight (kg)	Recommended Pre Filter** 5 Micron	Recommended Post Filter**	
					H	W	D			1 Micron	0.01 Micron
Coldspell 20	PH191	20	0.32/-	¾" BSP	420	400	430	38	T100PEA	T100XIA	T100YIA
Coldspell 35	PH209	35	0.32/-	¾" BSP	420	400	430	38	T100PEA	T100XIA	T100YIA
Coldspell 40	PH192	40	0.34/-	1" BSP	525	450	475	48	T100PEA	T100XIA	T100YIA
Coldspell 50	PH193	50	0.36/-	1" BSP	525	450	475	48	T100PEA	T100XIA	T100YIA
Coldspell 60	PH194	60	0.36/-	1" BSP	525	450	475	48	T100PEA	T100XIA	T100YIA
Coldspell 80	PH195	80	0.85/-	1" BSP	675	485	525	65	T250PEA	T250XIA	T250YIA
Coldspell 100	PH196	100	0.85/-	1" BSP	675	485	525	65	T250PEA	T250XIA	T250YIA
Coldspell 150	PH197	150	1.02/-	1½" BSP	860	670	700	123	T250PEA	T250XIA	T250YIA
Coldspell 200	PH198	200	2.4/1.7	1½" BSP	860	670	700	129	T600PEA	T600XIA	T600YIA
Coldspell 250	PH199	250	2.4/1.7	1½" BSP	860	670	700	129	T600PEA	T600XIA	T600YIA
Coldspell 300	PH169	300	2.3/	2" BSP	1275	850	800	240	T600PEA	T600XIA	T600YIA
Coldspell 400	PH170	400	2.5/	2" BSP	1275	850	800	260	T851PEA	T851XIA	T851YIA
Coldspell 500	PH171	500	3.0/	2" BSP	1275	850	800	290	T851PEA	T851XIA	T851YIA
Coldspell 650	PH186	650	/3.4	2" NB	1700	1100	1425	350	T1210PEA	T1210XIA	T1210YIA
Coldspell 800	PH187	800	/4.4	3" NB	1700	1100	1425	490	T1810PEA	T1810XIA	T1810YIA
Coldspell 1000	PH188	1000	/4.9	3" NB	1700	1100	1425	580	T1810PEA	T1810XIA	T1810YIA
Coldspell 1250	PH189	1250	/5.6	4" NB	1700	1100	1425	620	T2200PEA	T2200XIA	T2200YIA
Coldspell 1500	PH190	1500	/7.9	4" NB	1700	1100	1425	900	T2600PEA	T2600XIA	T2600YIA
Coldspell 2000	PH203	2000	/10.5	6" NB	1700	1100	1450	1020	T3400PEA	T3400XIA	T3400YIA

For any other capacity, please contact us. Specifications are subject to change without notification.



Notes :




- 1) All models have air-cooled condenser as the default option. Water cooled option available on request.
- 2) Maximum working pressure: 16 bar
- 3) Refrigerants :
Coldspell 20- Wheel type indicator
R134a: Coldspell 20 to 500;
R407C: Coldspell 200 to 250 and Coldspell 650 to 2000
Coldspell 40 to 800- LED display controller
- 4) ** To be ordered separately. Coldspell 1000 to 2000- Advanced LCD display controller

How to Order

Requirement :	Inlet flow 100 scfm working pressure 5 Kg / cm ² Inlet temperature 45o C Ambient temperature 38o C
Referring tables :	Factor Pi=0.84 Factor Ti=1 Factor Ta=1
Dryer capacity required :	Flow=100 Pi x Ti x Ta 0.84 x 1 x 1 =119 scfm
Choose the nearest higher model :	=Coldspell 150




Correction Factor

Air Inlet		Temperature oC	30	38	45	50	55	60
	Correction Factor (Ti)		1.14	1.08	1.00	0.75	0.63	0.5
Ambient		Temperature oC	25	30	38	43		
	Correction Factor (Ta)		1.36	1.18	1.00	0.86		
Inlet Pressure		Kg/cm ²	2.35	7	9	12		
	Correction Factor (Pi)		0.60	0.84	1.01	1.11	1.21	
Rated nearest option B as per standard ISO 7183 - 2007								

Our Other Range of Products

| Timer based Auto Drain Valve | Level Sensing Auto Drain Valve | Desiccant Dryer (Heatless) | Desiccant Dryer (Heated) | Oxygen & Nitrogen Generators

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