



- 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	PH224	20	0.32/—	½" BSP	506	202	502	25	T100PEA	T100XIA	T100YIA
Coldspell 40	PH192	40	0.37/—	½" BSP	525	450	475	48	T100PEA	T100XIA	T100YIA
Coldspell 60	PH194	60	0.37/—	½" 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	—/1.7	1½" BSP	860	670	700	129	T600PEA	T600XIA	T600YIA
Coldspell 250	PH199	250	—/1.7	1½" BSP	860	670	700	129	T600PEA	T600XIA	T600YIA
Coldspell 300	PH270	300	—/2.3	2" BSP	1251	490	1005	140	T600PEA	T600XIA	T600YIA
Coldspell 400	PH271	400	—/2.3	2" BSP	1251	490	1005	140	T851PEA	T851XIA	T851YIA
Coldspell 525	PH272	525	—/3.2	2" BSP	1251	490	1005	160	T851PEA	T851XIA	T851YIA
Coldspell 650	PH273	650	—/3.2	2" BSP	1251	490	1005	160	T1210PEA	T1210XIA	T1210YIA
Coldspell 800	PH274	800	—/4.0	4" NB	1305	640	1355	450	T1810PEA	T1810XIA	T1810YIA
Coldspell 1000	PH275	1000	—/5.1	4" NB	1305	640	1355	450	T1810PEA	T1810XIA	T1810YIA
Coldspell 1250	PH276	1250	—/7.4	4" NB	1305	640	1355	450	T2200PEA	T2200XIA	T2200YIA
Coldspell 1500	PH281	1500	—/7.5	4" NB	1460	1025	1115	550	T2600PEA	T2600XIA	T2600YIA
Coldspell 2000	PH282	2000	—/9.4	6" NB	1460	1025	1115	550	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 :

R134a : Coldspell 20 to 150 & 300 to 500

R407C : Coldspell 200 to 250 & 300 to 2000

4) ** To be ordered separately.

Coldspell 20

— Wheel type indicator

Coldspell 40 to 650

— LED display controller



Coldspell 800 to 2000

— Advanced LCD display controller

How to Order

Requirement :	Inlet flow	100 scfm
	working pressure	5 Kg / cm ²
	Inlet temperature	45° C
	Ambient temperature	38° C
Referring tables :	Factor Pi	= 0.84
	Factor Ti	= 1
	Factor Ta	= 1
Dryer capacity	Flow	= 100
required :	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 °C 	30	38	45	50	55	60
Correction factor (Ti)	1.14	1.08	1.0	0.75	0.63	0.5
Ambient temperature °C 	25	30	38	43		
Correction factor (Ta)	1.36	1.18	1.0	0.86		
Inlet pressure Kg/cm ²	3	5	7	9	12	
Correction factor (Pi)	0.6	0.84	1.0	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



Trident Pneumatics Pvt Ltd

5/232, K.N.G. Pudur Road, Coimbatore - 641 108, India. Ph : +91-422-2400492, 2401373 Fax : +91-422-2401376

e-mail : sales@tridentpneumatics.com Website : www.tridentpneumatics.com



Sales & Service Outlets

Ahmedabad
96244 36308

Bangalore
97894 80564

Chennai
97894 80564

Delhi
73977 19565

Hyderabad
98854 45321

Kolkatta
73977 12565

Mumbai & Pune
98673 67726