



- High Pressure 40 Kg / cm² (g)
- Microprocessor Controller
- Anti Freezer
- Anti Recycle Controller
- Advanced 3 in 1 integral heat exchanger specially made for high pressure
- Large condenser for high ambient temperatures



Refrigeration Compressed Air Dryer




Coldspell - HP Series

Specification of Dryer

Model	Item Code	Flow in scfm	Power consm. in KW R 134a/R407C	End Connection	Dimension in mm		
					H	W	D
CS 40 - 40	PH070	40	0.34 / —	1" BSP (F)	525	450	475
CS 80 - 40	PH071	80	0.36 / —	1" BSP (F)	525	450	475
CS 150 - 40	PH072	150	0.85 / —	1" BSP (F)	675	485	525
CS 200 - 40	PH101	200	1.02 / —	1½" BSP (F)	850	670	700
CS 250 - 40	PH117	250	1.02 / —	1½" BSP (F)	850	670	700
CS 300 - 40	PH118	300	2.04 / 1.84	1½" BSP (F)	850	670	700
CS 400 - 40	PH119	400	2.04 / 1.84	1½" BSP (F)	850	670	700
CS 500 - 40	PH120	500	2.04 / 1.84	1½" BSP (F)	850	670	700
CS 650 - 40	PH121	650	2.53 / 2.3	2" NBCL 300	900	850	1410
CS 800 - 40	PH122	800	2.85 / 2.6	2" NBCL 300	900	850	1410
CS 1000 - 40	PH123	1000	2.95 / 2.6	2" NBCL 300	900	850	1410

For any other capacity contact factory. Specifications are subject to change without notification. **To be ordered separately.

Correction Factor


Inlet Air Temperature °C 	30	38	45	50
Correction Factor (Ti)	1.14	1.08	1	0.75
Inlet Pressure Kg/cm ² 	30	40	—	—
Factor (Pi)	0.84	1	—	—
Ambient Temperature °C 	25	30	38	43
Factor (Ta)	1.36	1.18	1.0	0.86

How to Order

Requirement :	Inlet flow	600 scfm
	working pressure	30 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 required :	Flow	= 600
	$\frac{\text{Flow}}{\text{Pi} \times \text{Ti} \times \text{Ta}}$	$\frac{600}{0.84 \times 1 \times 1}$
		= 714 scfm
Choose the nearest higher model :		= Coldspell 800-40


Applications

- Pharmaceutical Packaging • Blow Molding • Aeronautical valve testing • Injection molding • Chemical plants
- Furnace Manufacturing Unit • Dairy industries



Our Other Range of Products

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



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