

Brief Description

CDAP portable drying systems provide complete drying and conveying in one compact, portable package. These units automatically convey on demand while providing closed loop drying.

Standard Features

- Integrated control interface provides status of drying and conveying functions. Also allows simple start-up, shut down and change of drying and conveying parameters
- “Off-the-shelf” programmable controller controls drying and conveying functions
- PID temperature controller provides LED readout of set point and actual process temperature
- Digital dew point indicator displays “actual dewpoint” and “high dew point” alarm settings
- Sightglass material receiver for minimal inventory on the process machine
- Insulated drying hopper with sight glass and slide gate, large cleanout door on hoppers
- Single power connection point with electrical disconnect on control cabinet
- CD-6.0 and CD-9.0 drying hoppers are stainless steel. CD-12, CD-17, and CD-23 drying hoppers are carbon steel.

Optional Features

- Stainless steel drying hopper (contact surfaces)
- Stainless steel flex hose (required when conveying materials above 250°F [121° C])
- Individual visual dirty filter indicator
- CSL hopper loader to fill drying hopper proportioning/non-proportioning
- CSL control mounting bracket
- Stainless steel drying hoppers (CD-12, CD-17, and CD-23)



CDAP-3

Technical Information

Specifications

Model	Amp Draw	Dryer Process Airflow		Temperature Range	Insulated Drying Hopper Size			
		cfm	m ³ /h		cu. ft.	liters	lbs.	kg
CDAP 2A	24	90	150	460/3/60	6.0	169	200	90
CDAP 2B	24	90	150		9.0	253	300	135
CDAP 2C	24	90	150		12.0	339	400	181
CDAP 3	27	100	170		12.0	339	400	181
CDAP 4A	38	150	250		12.0	339	400	181
CDAP 4B	38	150	250		17.0	481	600	272
CDAP 4C	48	225	380		23.0	651	800	363

SDAP Series Control (Dual Blower Model Shown)

- “Off-the-shelf” PLC control of drying and conveying functions
- Independent operation of dryer and conveying control circuits
- 1/16 DIN temperature controller with LED read out of process air actual and set point temperature
- Digital dewpoint indication with customer-adjustable high dewpoint alarm set point and LED readout of actual process dewpoint
- Indicator lights and display provide status of desiccant bed regeneration heaters, process and regeneration blowers, and material loading system
- Alarm indication includes: high temperature process air, high temperature regeneration air, and high dewpoint (dirty filter alarm optional)
- Switch on dewpoint demand
- Dryer process auto shutdown sequence

Conveying Packages

Package	Features
Level A Machine Loading Only	All features listed above plus: <ul style="list-style-type: none"> • Machine loader convey station control • Closed-loop dry air conveying to process • CSI Series stainless steel sight glass receiver
Level B Drying Hopper Loading Only	All features listed above, with the following modifications: <ul style="list-style-type: none"> • Drying hopper loader fills the drying hopper in lieu of machine loader • Includes CSR06 material receiver with hose and pick-up wand; 1.5" (38 mm) FCO open loop standard take-off on discharge of drying hopper
Level C Machine Loading and Dryer Hopper Loading	All features listed above, including both machine loader and drying hopper loader plus: <ul style="list-style-type: none"> • Machine loader convey station with closed loop dry air convey and CSR sight glass vacuum receiver • Drying hopper loader with CSR06 material vacuum receiver and 1.5" (38 mm) OD pick up wand with hose

www.colortronicna.com

Corporate Headquarters:
Colortronic North America, Inc.
4100 Market Place
Flint, MI 48507
Tel. 810-720-7300
Fax. 810-720-2598
colortronicweb@corpemail.com