

SDAP SERIES



Portable Drying and
Conveying Systems

90-225 CFM PORTABLE DRYING AND CONVEYING SYSTEMS

SDAP portable drying systems provide complete drying and conveying in one compact, portable package. These units automatically convey on demand while providing closed loop drying. The entire system is mounted on a rugged, portable cart.



Features

- Integrated control interface provides status of drying and conveying functions. Also allows simple startup, 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
- SH-6.0 and SH-9.0 drying hoppers are stainless steel
- SH-12, SH-17, and SH-23 drying hoppers are carbon steel

Options

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

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SPECIFICATIONS

Model	Dryer Process Air Flow		Amp Draw	Voltage	Insulated Drying Hopper Size			
	cfm	m ³ /hr			cu. ft.	liters	lbs.	kg
SDAP2A	90	150	24	460/3/60	6.0	170	200	90
SDAP2C	90	150	24		9.0	250	300	135
SDAP2B	90	150	24		12.0	340	400	181
SDAP3	100	170	27		12.0	340	400	181
SDAP4A	150	250	38		12.0	340	400	181
SDAP4B	150	250	38		17.0	480	600	272
SDAP4C	225	380	48		23.0	650	800	363

SDAP SERIES CONTROL (DUAL BLOWER DRYER 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 readout 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

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 • SSI 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 SSR06 material receiver with hose and pickup wand 1.5" (38mm) 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 SSI sight glass vacuum receiver • Drying hopper loader with SSR06 material vacuum receiver and 1.5" (38mm) OD pickup wand with hose

DIMENSIONS

Model	Width, in. (cm)	Depth, in. (cm)	Height, in. (cm)	Weight, lbs. (kg)
SDAP2A	64 (163)	28 (71)	81 (206)	650 (295)
SDAP2C	64 (163)	28 (72)	87 (221)	725 (329)
SDAP2B	67 (170)	36 (91)	101 (257)	925 (420)
SDAP3	67 (170)	36 (91)	101 (257)	975 (442)
SDAP4A	78 (198)	36 (91)	101 (257)	1250 (567)
SDAP4B	78 (198)	36 (91)	121 (307)	1425 (646)
SDAP4C	78 (198)	36 (91)	115 (292)	1775 (805)