

# DP/HDA Series

## Portable Hygroscopic Material Drying System



*The DP/HDA Series Portable Hygroscopic Material Drying System features simplified controls, easy maintenance, energy efficiency, and world-class reliability.*

The Portable Material Drying System from Process Control was designed for processors who require lower throughput rates and also demand the flexibility that a portable system provides. Comprised of a DP Series Dehumidifying Desiccant Dryer and an HDA Series Dryer Hopper, this system puts an end to wasted energy and incomplete drying of material.

Utilizing a twin desiccant tower design with automatic regeneration, the DP Series Desiccant Dryer employs a number of energy and time saving features. Closed loop cooling of the regenerative cycle avoids depositing atmospher-

ic moisture in the freshly regenerated desiccant bed which can lead to dew-point spikes during bed changeover. The closed loop system also channels hot exhaust air from the regenerative circuit to the active circuit through a heat exchanger. In competing open loop systems, this exhaust air is vented to the atmosphere and wasted. The DP Series also features heater boxes with an innovative energy saving design which provides a cool outer shell temperature to minimize heat loss.

The HDA Series Dryer Hopper carries on the energy saving philosophy with a design that effectively dries materials

using only 0.6 cfm/pound per hour without compromising drying performance. To accomplish the same goal, competing designs on the market use 1.0 cfm/pound per hour, or roughly 35% more energy. The key to the HDA design is a special air dispersion and material flow control system that facilitates an optimum heat transfer to the material. This ensures that each pellet remains at the optimum drying temperature for the recommended duration. ■

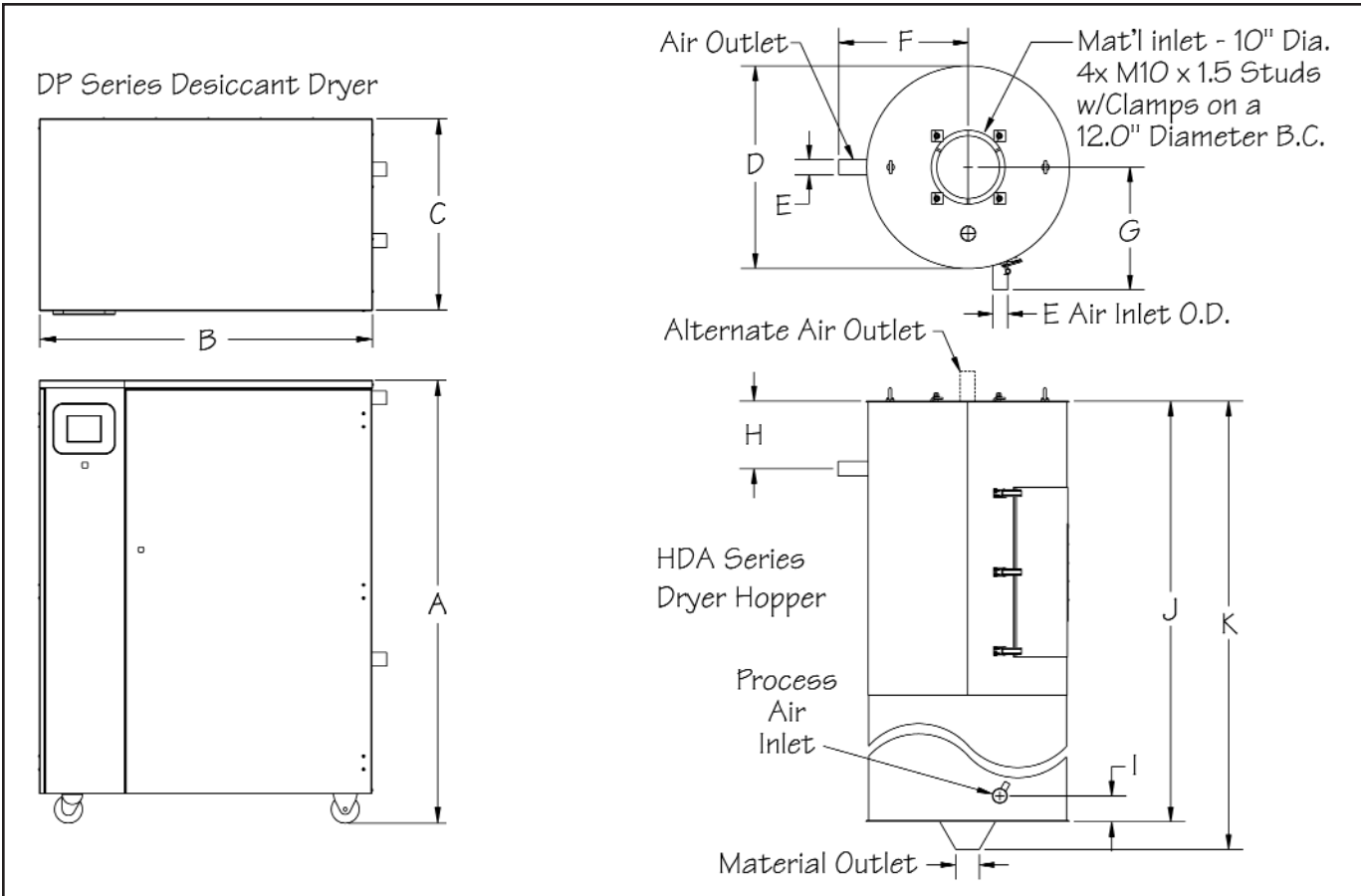
### Standard Features

- Separate Regenerative blowers
- Allen Bradley Micro-Logix controller w/touch screen interface
- Low maintenance cartridge filters
- IEC rated starters and contactors
- EDPM Hi-temp rubber and Gor-Tex PTFE seals
- Casters for the DP Dryer
- Hinged clean-out door with sight glass on the HDA hopper
- Inlet flange for mounting PCC vacuum receiver
- Exterior polished stainless steel finish

### Options

- Dew point switching of desiccant towers (-40° or -60°F)
- Pre-coolers, aftercoolers or special filtration
- Special electricals/paint
- Stand with vacuum pick-up box for floor mounting
- Spool piece for direct mounting to processing machine
- Casters for HDA Hopper
- Portable cart for versatility
- Low level and load level sensors

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## SPECIFICATIONS for DP SERIES DESICCANT DRYER

Model Number	Nominal Drying Rate	Average Power Consumption KW	Blower Type	Line Size Inches	Dimensions (Inches)			Ship Weight lbs.
					A	B	C	
DP003M_	30	1.4	Ring	2.0	46.0	40.8	24.1	600
DP006M_	60	2.5			55.2	47.8	27.5	650
DP010M_	100	3.9			63.5	47.8	27.5	700

## SPECIFICATIONS for HDA SERIES DRYER HOPPER

Model Number	Usable Volume cu.ft.	Dimensions (inches)								Ship Weight lbs.
		D	E	F	G	H	I	J	K	
HDA012	3.4	21.5	2.0	9.0	12.5	3.0	2.4	52.3	58.6	850
HDA024	6.8	25.5		12.0	14.0		2.6	60.8	67.0	1000
HDA040	11.4	30.0		16.5	16.5	2.2	3.9	72.5	78.7	1250



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