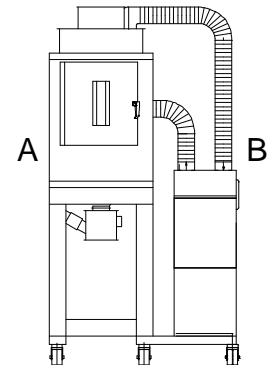


Typical application of a dry air drying system.

A Drying hopper
B Dry Air Dryer

Component B is described below.



Brief Description

Application

For the drying of thermoplastic granules and re-grind, independent of climate or ambient air conditions, before processing to remove all remaining moisture from the granules both inside and out.

- Colortronic drying systems are designed for continuous, 24 hour operation
- Colortronic drying systems meet all CE requirements

Rugged, modular construction

Colortronic dry air dryers operate on the principle of absorption. Under this principle, the air is not heated, rather the moisture is absorbed and removed from it inside the drying hopper. Through this technology plastic granules can be dried to extremely low residual moisture levels (i.e. 0.002% with PET). Colortronic Dry-Flex S dry air dryers have 2 drying cells which continuously maintain a dew point level of up to -60° C. Because our air flow is constant, we maintain zero temperature change during the drying process.

Colortronic dry air dryers are virtually maintenance free. Only the air filters required routine cleaning or change out.



Technical Information

Basic Version

- Automatic alarm clock or timer
- Central temperature controls for all heating elements to ensure constant temperature levels
- Safety temperature limiter for all heaters
- Dry contact alarm output
- 2 drying cells for continuous operation
- Optical alarm indication
- Maintenance free air valves

Optional Equipment

- Dew point display
- Return air cooler for processing high temperatures
- Pre-air filter
- Special color
- Special voltage

Performance

- Air drying capacity 70 m³/hr
- Operating voltage 400 V +/-10%, 3AC, 50 Hz
- Connected load 1.6 kw +max. 3.0 kw hopper heaters
- Average dewpoint temperature of -50° C (- 76 °F)

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