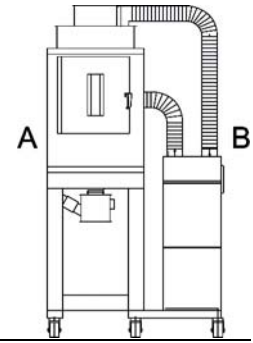


Typical application of a compressed air drying system

- A Compressed air dryer
- B Drying Hopper

Component A is described below.



## Brief Description

### Application

For the drying of thermoplastic pellets and regrind before processing in order to remove all remaining moisture from the pellets both inside and out, independent of climate or ambient air conditions.

- Colortronic compressed air dryers are designed for continuous, 24 hour operation

### Rugged, modular construction

Colortronic's CMD 30 and CMD 60 compressed air dryers offer full performance in a compact size. The dryer cabinet style is designed for maximum safety, and premium quality Incoloy® heaters provide dependable service.

Colortronic compressed air dryers are virtually maintenance free.



## Technical Information

### Basic Version

- Mitsubishi programmable relay controller
- 1/16 DIN PID temperature controller
- Drying temperature of 110°-300° F (43°-149°C) (air supply temperature must be lower than process temperature)
- NFPA79, US and CUL machinery electrical standards, including NEMA 12 enclosure, non-fused electrical disconnect, solid state relay for heater control, branch fusing, and "Process High Temp" alarm light
- High process temperature safety
- Automatic shut-off system to monitor compressed air supply
- Dual compressed air filter assembly with dirty filter indicator and air pressure gauge
- Thermocouple for hopper inlet
- 12' high-temp silicone hose and two clamps

## Performance

- Operates with 460/3/60 (other voltages available, consult factory)
- Average dewpoint temperature of -40°F
- Full load amps (at 460/3/60): CMD 30 – 4.25  
CMD 60 – 8
- Compressed air requirements:  
CMD 30 – 5 SCFM at 80 psi  
CMD 60 – 10 SCFM at 80 psi
- Air inlet/outlet OD: CMD 30 – 2" (51 mm)  
CMD 60 - 2.5" (63 mm)
- Approximate weight: CMD 30 - 130 lbs (60 kgs)  
CMD 60 – 160 lbs (75 kgs)
- Capacity: CMD 30 – 30 cfm (50 m<sup>3</sup>/h)  
CMD 60 – 60 cfm (100 m<sup>3</sup>/h)

## Optional Equipment

- 12' insulated process hose
- Additional compressed air pre-filter assembly mounted on outside of dryer cabinet
- Exhaust air cartridge filter (350° F [177° C] maximum)
- Casters
- Dewpoint monitor (-40°)
- Audible high process temperature alarm with reset button compliance: touch-safe fuse holders for Euro fuses, and touch-safe transformer
- Portable chart

