
Brief Description

Application:

Colortronic's CPP Series conveyor is a low-velocity, pneumatic conveying system designed to move a wide variety of difficult powdered materials cleanly and efficiently with a minimal degradation and separation. They can convey up to 200 equivalent feet.

The CPP operates on very low volumes of compressed air at supply pressures of 60-80 psig. Conveying air pressures vary between 25-80 psig, depending upon the conveying characteristics of particular powders.

Four easy-to-operate times control the conveying rate by varying the time for material filling and unloading of the pressurizing chamber.

CPP Series Conveying Systems

Standard Features

- Epoxy-coated, mild steel construction
- Minimal moving parts
- No lubrication or special tools required for maintenance
- Small conveying air requirement makes it economically feasible to use inert gas in hygroscopic and explosive material applications
- Low conveying air velocity creates minimal dusting of conveyed powders and eliminates material degradation
- Slugs of materials are conveyed rather than individual particles, so mixes are kept in tact
- Pressurizing chamber
- Pneumatic valve activating cylinder with material valve
- Air distribution assembly
- Colortronic "Warm Gray" paint
- NEMA 12 solid-state control panel including:
 - Mitsubishi programmable-relay controller
 - Indicating Lights
 - On/Off switch
- 115/1/50-60 or 230/1/60 supply voltage – specify with order



Optional Features

- 304 stainless steel with 2B finish
- Storage bin
- Fluidizing pads (2) including regulator, piping, and tubing: steel or stainless steel
- Explosion-proof construction
- NEMA 4 electrical panel and solenoids
- Polished interior surfaces for sanitary applications
- 10 cu. ft. bag dump station with 19" x 40" opening, removable bag break rack at 36" work height, 16" square discharge flange with 26" clearance, steel or stainless steel. Optional dust collection system includes 1.5 hop dust collector, 460/3/60, and NEMA 12 control enclosure

✓ denotes availability

Selection		Availability		Specifications					
Conveying Capacity cu. ft./hr. max.	Model number	115/1/50-60 or 230/3/50-60		Take-off assembly size	Dimensions inches			Air Consumption SCFM (@ 80 PSI)	Shipping weight lbs.
		Epoxy-coated mild steel	304 stainless steel		L	W	H		
50	31M	✓	—	1" Sch. 40	25	17	21	20	75
50	31S	—	✓	1" Sch. 40	25	17	21		75
200	32M	✓	—	2" Sch. 40	25	17	21	35	100
200	32S	—	✓	2" Sch. 40	25	17	21		100

Conveying Pipe
Aluminum (6063 T6)

Straight (plain ends) — 20 ft.				Bends — 12" radius				
Line size Sch. 40	Part number	Availability	Ship weight lbs.	Line size Sch. 40	Degrees	Part number	Availability	Ship weight lbs.
1"		✓	12	1"	30		✓	2
					45			
					60			
					90			
2"		✓	26	2"	30		✓	2
					45			
					60			
					90			

Black (steel)

Straight (plain ends) — 20 ft.				Bends — 12" radius				
Line size Sch. 40	Part number	Availability	Ship weight lbs.	Line size Sch. 40	Degrees	Part number	Availability	Ship weight lbs.
1"	W00005294	✓	2	1"	30	W00017383	✓	8
					45	W00017381		
					60	W00017430		
					90	W00016766		
2"	W00005297	✓	4	2"	30	W00017384	✓	18
					45	W00017382		
					60	W00017431		
					90	W00016768		

304 Stainless Steel

Straight (plain ends) — 20 ft.				Bends — 12" radius				
Line size Sch. 40	Part number	Availability	Ship weight lbs.	Line size Sch. 40	Degrees	Part Number	Availability	Ship weight lbs.
1"	W00016745	✓	2	1"	30	W00017358	✓	8
					45	W00017335		
					60	W00017407		
					90	W00016766		
2"	W00016746	✓	4	2"	30	W00017364	✓	18
					45	W00017341		
					60	W00017413		
					90	W00016768		

Pipe Couplers — Compression Type

Line Size (Sch. 40)	Model number	Availability	Shipping weight (lbs.)
1"	W00016747	✓	2
2"	W00016748	✓	3