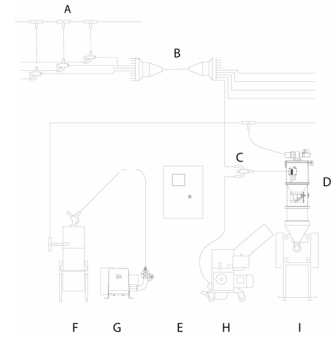


Typical Setup for a multiple vacuum conveying system.

- A Purge valve
- B Rotary valve
- C Porportioning valve
- D Vacuum receiver
- E Conveying control system
- F Central vacuum filter
- G Vacuum pump
- H Granulator
- I Processing machine

Component E is described below.



## Brief Description

### Application:

Colortronic offers user-friendly, reliable solutions for complete conveying control. The CLC Series local I/O conveying controls control up to 38 loading stations and up to 4 vacuum pumps.

- Time fill or volume fill operation
- 115/1/50-60 or 220/1/50 power input standard
- 24 VDC control output
- NEMA 12 control enclosure
- Selectable pump and receiver configuration
- Clear, visual alarm indication
- Easy to read displays



## Technical Information

	<p><b>CLC11</b> The CLC11 is an integrated system composed of a control panel that sends and receives signals to and from a vacuum pump and a material receiver. Standard features include:</p> <ul style="list-style-type: none"> <li>• Relay control panel with "On/Off" switch</li> <li>• 115 VAC control output only</li> <li>• Control of blowback output is not available (use CLC14 or larger control panel)</li> </ul>	<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>• Solid State/relay control panel</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>• 1-station, 1-pump control</li> </ul> <p><b>Optional Features</b></p> <ul style="list-style-type: none"> <li>• 24 VDC control</li> <li>• 10 position selector</li> <li>• Switch for high level</li> </ul>
	<p><b>CLC14</b> The keypad interface allows for convenient programming and monitoring of up to four loading stations and one pump. Other standard features include:</p> <ul style="list-style-type: none"> <li>• Mitsubishi programmable control with LED display and keypad interface</li> <li>• Vent valve output for vacuum pump</li> <li>• Closed-loop conveying (dry or ambient air) capability</li> <li>• Common purge valve output control</li> <li>• Local blowback filter cleaning outputs for implosion or blowback</li> </ul>	<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>• Mitsubishi PLC</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>• 1- to 4-station, 1-pump control</li> </ul> <p><b>Optional Features</b></p> <ul style="list-style-type: none"> <li>• Remote mount audible/visual alarm</li> </ul>
	<p><b>CLC19</b> The CLC19 allows total control of one pump and up to nine receivers. Other standard features include:</p> <ul style="list-style-type: none"> <li>• Off-the-shelf industrial components</li> <li>• NFPA79 and UL compliance, including electrical disconnect and NEMA 12 control enclosure</li> <li>• Control one vacuum power unit</li> <li>• Up to nine station control capability</li> <li>• Automatic pump shutdown</li> <li>• Alarm output</li> </ul>	<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>• Mitsubishi PLC</li> <li>• Alpha-numeric display</li> <li>• Fan-cooled enclosure</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>• 1- to 9-station, 1-pump control</li> </ul> <p><b>Optional Features</b></p> <ul style="list-style-type: none"> <li>• Remote mount audible/visual alarm</li> </ul>
	<p><b>CLC218</b> The icon-based touchscreen allows control of up to 18 loading stations and 2 pumps with operating instructions built right into the controller. Other standard features include:</p> <ul style="list-style-type: none"> <li>• Mitsubishi brick PLC icon-based, 4" monochrome touchscreen controller</li> <li>• Vent valve output</li> <li>• Closed-loop conveying (dry or ambient air) capability</li> <li>• Common purge valve output control for each pump</li> <li>• Local blowback filter cleaning outputs for implosion or blowback</li> </ul>	<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>• 4" icon-based, monochrome touchscreen operator interface</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>• 1- to 18-station, 2-pump control</li> <li>• Pumps 1-2 have full capabilities or can be set as standby</li> <li>• Active station icons indicate status</li> </ul> <p><b>Optional Features</b></p> <ul style="list-style-type: none"> <li>• Remote mount audible/visual alarm</li> <li>• Ethernet capability</li> <li>• Incoming power line filter</li> <li>• 6" color touchscreen</li> </ul>
	<p><b>CLC438</b> A touchscreen interface allows control of up to 38 loading stations and 4 pumps with operating instructions built right into the controller. Other standard features include:</p> <ul style="list-style-type: none"> <li>• Mitsubishi PLC hardware</li> <li>• 6" color Mitsubishi touchscreen display</li> <li>• Priority conveying capabilities</li> <li>• Filter blowback control</li> <li>• Easy replacement of existing conveying system controls</li> </ul>	<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>• Mitsubishi PLC</li> <li>• 6" Mitsubishi color touchscreen interface</li> </ul> <p><b>Software</b></p> <ul style="list-style-type: none"> <li>• 1- to 38-station, 4-pump control</li> <li>• All pumps have full capabilities or can be set as standby</li> <li>• Active station icons indicate status</li> </ul> <p><b>Optional Features</b></p> <ul style="list-style-type: none"> <li>• Remote mount audible/visual alarm</li> <li>• Ethernet capability</li> <li>• Incoming power line filter</li> </ul>

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