

Color Change Module - Porcelain Enamel



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

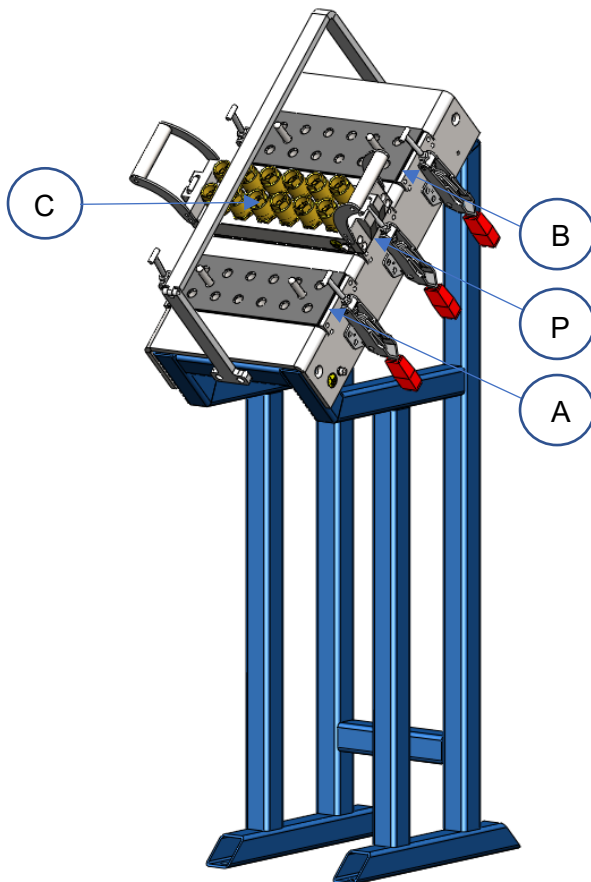


WARNING: This diagram does not show system grounds. All conductive equipment in the spray area must be connected to a true earth ground.



WARNING: Disconnect power and pressurised air before servicing.

Description



The Color Change Module is designed for Porcelain Enamel (PE) applications, in order to separate powder delivery hoses from powder feed pumps into dual channels which will allow using different powder colors on demand by feeding supply hoses to powder spray guns.

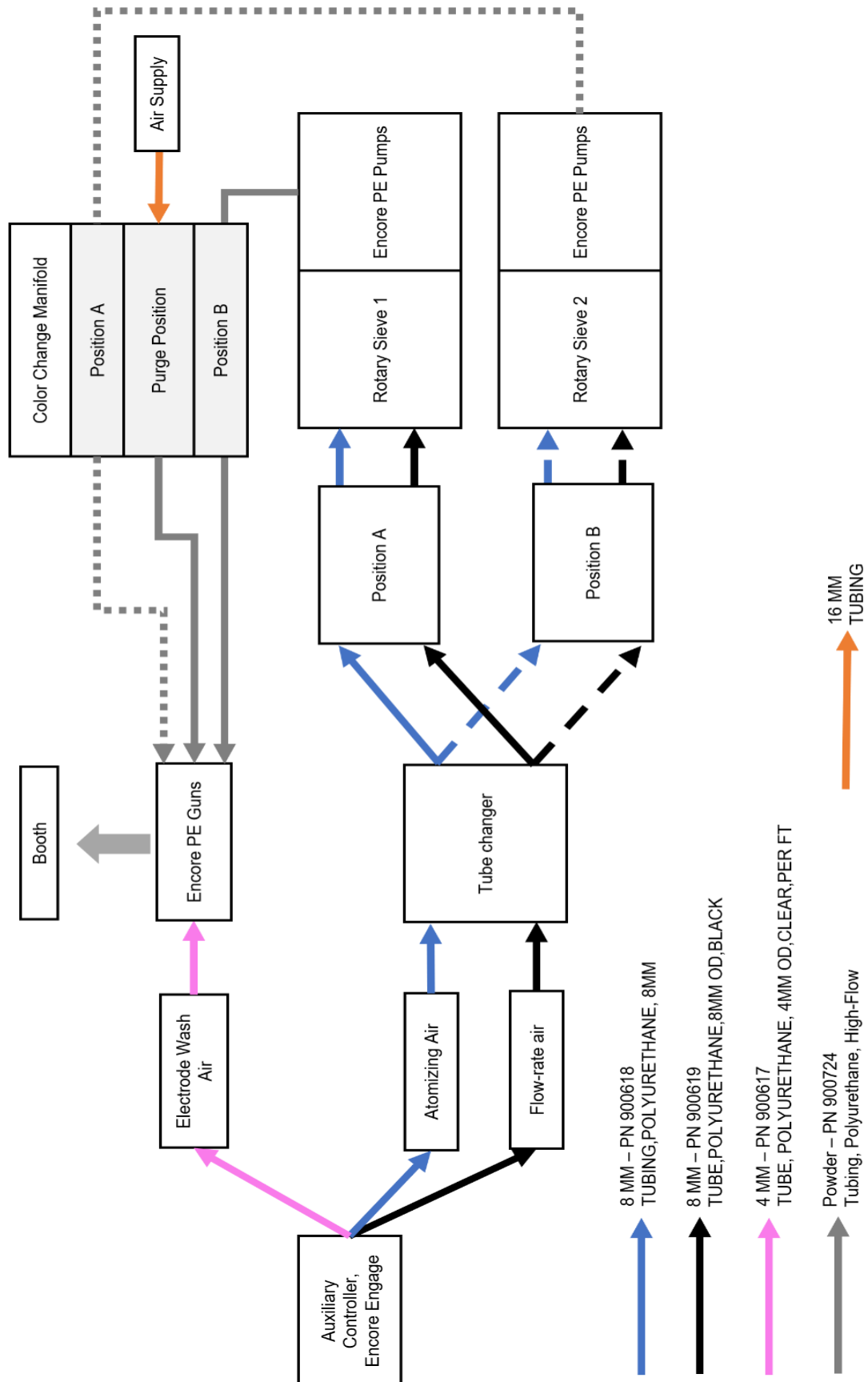
For each powder color, separate powder feed pumps are installed and located on the powder feed hopper.

The Color Change Module consists of 3 lower and 1 upper manifold.

Manifold (A) and manifold (B) are for two different powder colors, manifold P is for purge air connection.

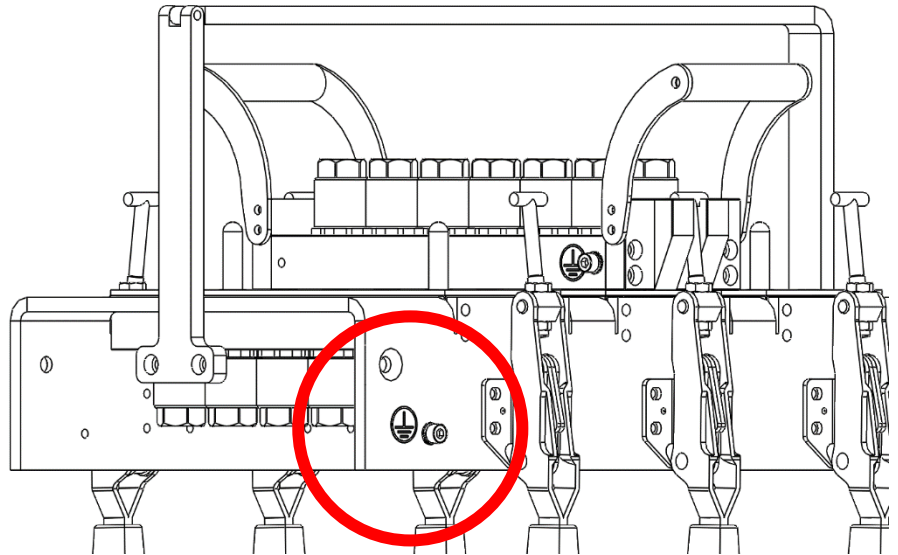
The upper manifold (C) is for the powder delivery hose to the powder spray guns.

Schematic

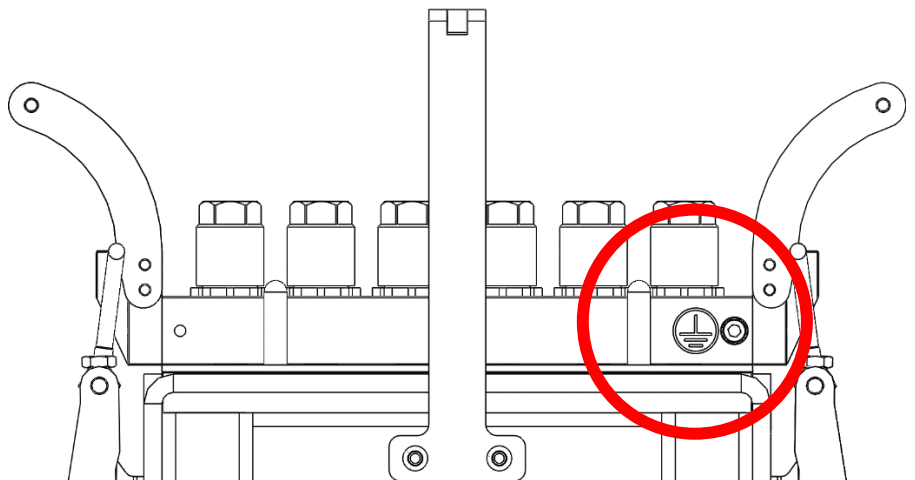


Installation

1. Please connect the grounding wire to the marked grounding point on the Color Change Manifold frame and ensure that it is correctly grounded.



2. Please connect the grounding wire to the marked grounding point on the Color Change Manifold and ensure that it is correctly grounded.



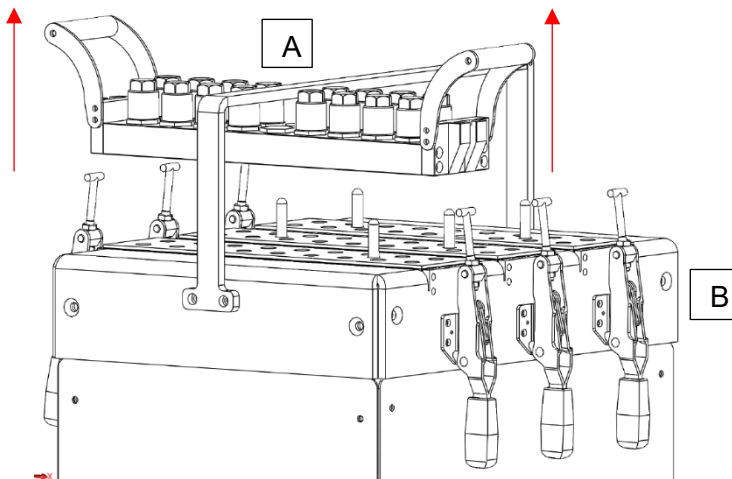
Operation

This section explains step by step, how to perform a color change using the Color Change Module.

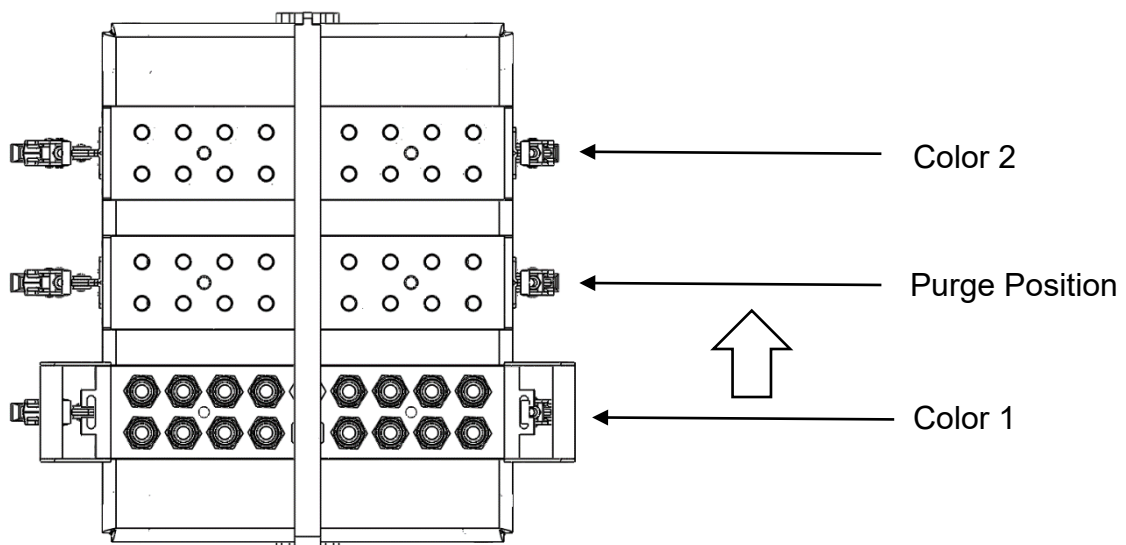


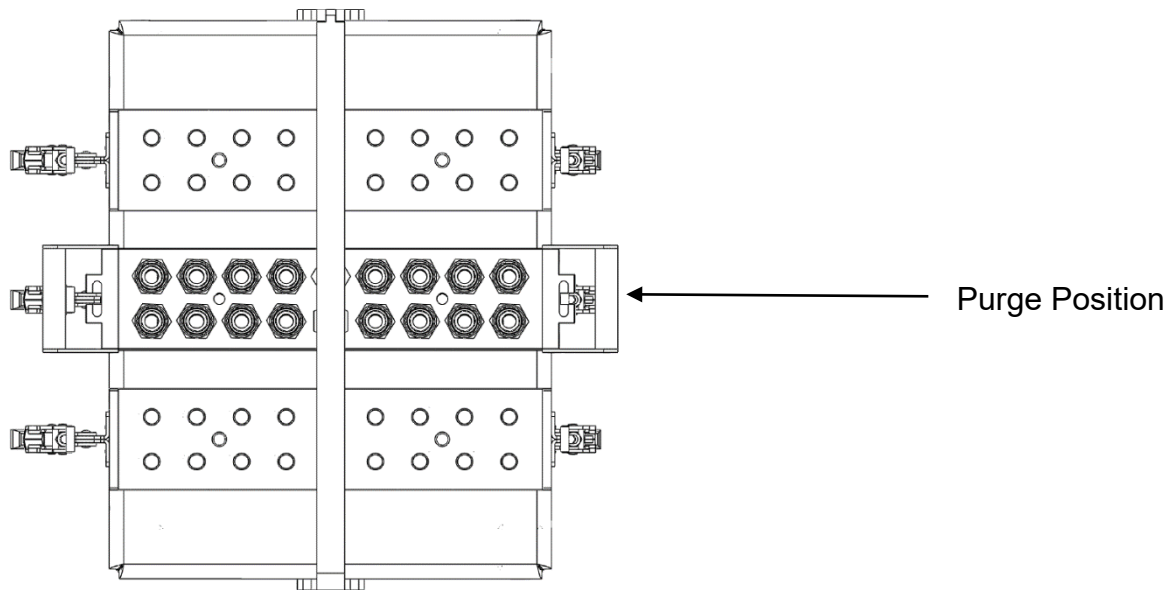
WARNING: Disconnect power and pressurised air supplies before servicing, as the unit can be under high pressure.

1. Press the Color Change button on the control panel screen.
2. Go to the Colour Change Module and disconnect the delivery manifold (A), which is clamped to the bottom manifold (B).

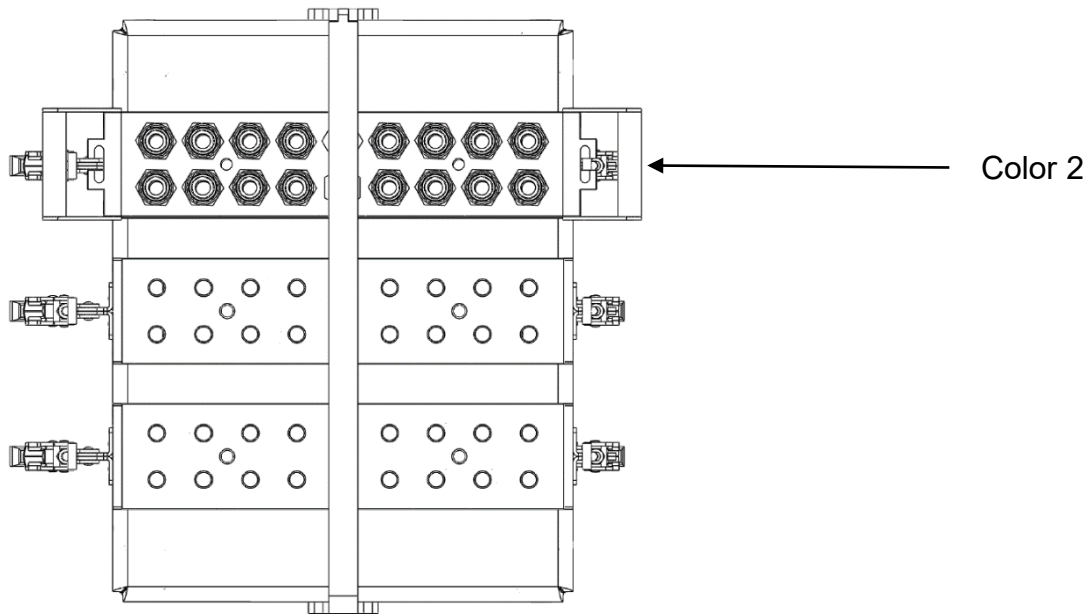


3. Move the manifold of the color to be cleaned to the purge position and clamp to secure in position.





4. Make sure the delivery manifold is securely clamped to the purge manifold.
5. Confirm on the control panel screen that the purge manifold is clamped on the purge position on the module. The needed Pressure for purging is 5-6 bar.
6. Confirm that purging can start and define the time on the control panel screen. The time required can vary between powder types.
7. Open booth door, go inside and clean the booth.
8. Confirm on the control panel screen that the booth is cleaned.
9. Go to the T-Piece ductwork and perform the cleaning procedure.
 - a. Please check the instruction sheet or manual of the T-Piece Ductwork for further information.



10. Move the delivery manifold to next color position
11. Make sure the delivery manifold is securely clamped to position
Color 2.
12. Confirm on the control panel screen that the color change is completed.
13. Adjust and double check the fluidization on the rotary sieve of
Color B.