VACUUM TRANSFER
OPERATION PROCEDURE

DESCRIPTION

The Vacuum Transfer System is a major innovation in the media-charging process of Filtrex Regenerative filters. It not only reduced the time and attendant mess of pre-coat slurry mixing, but it substantially reduces airborne-media exposure. The system is available as both an option for all new Filtrex filters and as a retrofit for existing installations.

The system consists of a single-stage regenerative blower, high-efficiency canister filter, motor control station and vacuum hose/ wand. Activating the regenerative blower via the motor control station produces a partial vacuum in the Regenerative filter tank. A pre-measured media charge is then introduced into the filter via the vacuum hose and wand. Media is prevented from passing to the regenerative blower by the Flex-Tube filter elements within the filter. Any residual media which manages to pass through the filter elements is prevented from traveling further by the high-efficiency filter element in the filter canister. Following charging, the filter is filled normally and the pre-coat mixed and deposited on the filter elements during the pre-coat recycle period.

OPERATION

1. "Valve off" the filter, "Bump", rinse, and drain normally
2. With filter drain valve open, activate pre-coat recycle valve using manual override (Ref. Operation of the Pre-Coat and On-Stream Pneumatic Valves) to allow vertical pre-coat line to thoroughly drain into filter and out of filter drain valve
3. Open vacuum transfer drain valve and allow any remaining water in vacuum line to drain
4. With lines thoroughly drained, close filter drain, vacuum transfer drain and pre-coat recycle valve
5. Install canister filter in vacuum canister and open canister stop valve
6. Connect vacuum hose assembly to filter at pre-coat inlet and open pre-coat inlet valve
7. Activate vacuum transfer system motor control and vacuum prescribed filter media charge into filter
8. Turn off vacuum transfer pump and close canister stop valve and pre-coat inlet valve
9. Remove canister filter (Ref. Vacuum Transfer Filter Cleaning and Operation)
10. Fill filter (back fill or pump jog depending on application) and pre-coat normally