

# Velcon®



1210 Garden of the Gods Road, Colorado Springs, CO 80907

Phone: (719) 531-5855

FAX: (719) 531-5690

E-mail: vfsales@velcon.com / web site: www.velcon.com

## INSTALLATION Instructions

### CO-718CE – CLAY CANISTER CARTRIDGES

The CO-718CE is a canister type cartridge which is equipped with a gasket at each end. To insure proper sealing at each end it is necessary to use a center plate (*Part Number 12-02F*) between stacked cartridges.

Installation procedures are as follows:

1. Stop product flow, close inlet and outlet valves, open the air eliminator, and drain vessel completely down.
2. Remove head bolts from head cover.
3. Raise cover by raising hydraulic jack cover and swing back to one side of the vessel.
4. Remove tie rod nuts, washers and top sealing caps.
5. Remove old cartridges.
6. Remove center plates and store with the sealing caps, the tie rod nuts, and washers.
7. Remove next layer(s) of old cartridges.
8. Clean vessel interior after all cartridges are removed.
9. Remove new CO-718CE from plastic bag.

**NOTE: CO-718CE ELEMENTS CAN BE DAMAGED BY WATER. NEW CARTRIDGES SHOULD BE PROTECTED FROM ANY WASHING DOWN OPERATION OR RAIN.**

10. Lower CO-718CE cartridges over the center rods to bottom of vessel. Bail handles for assisting in installing and removing the canisters should be on the upper end of the canisters. **DO NOT DROP CARTRIDGES. LOWER CAREFULLY.**
11. Place center plates over first tier of cartridges.
12. Place CO-718CE cartridges on top of center plates.
13. Install center plates on top of these cartridges if the vessel is a 3-high stack, otherwise go to Step 15.
14. Install third tier of cartridges.
15. Place sealing caps on top of final tier of cartridges.
16. Place a rubber gasket, flat washer, lock washer and nut over each tie rod and securely fasten down (approximately 5 ft-lbs of torque). When rubber gasket starts to curl out from under flat washer, enough torque has been applied.
17. Replace vessel cover and tighten down securely.
18. Close drain valve, open air eliminator, crack open the inlet valve and fill the vessel **SLOWLY**.
19. When vessel is full, fully open the inlet and outlet valves.