



SERIES 'G' BULK RESIN CHAMBER

OPERATION AND
SERVICE GUIDE
O-510C
JULY 1998

MODELS	PRICE CODE NOS.
PL1220RS-1½	78-1634
PL1230RS-1½	78-1635
PL1250RS-1½	78-1636
CL1220RS-1½	78-1634C
CL1230RS-1½	78-1635C
CL1250RS-1½	78-1636C

Refer to Bulletin R-201 and
Parts List P-6600.

Install all hoses (disconnected for shipping) and tighten hose clamps. Siphon breakers in the suction line to the pump and filter discharge to the tank should be installed as a further precautionary measure to limit and minimize the amount of liquid lost by back siphoning. An effective siphon breaker is a small hole drilled in suction and discharge lines approximately 2" to 4" below normal solution level.

PRE-START-UP

1. Note trap screen pattern in center bottom of chamber and inlet dispersion dome at under side of cover.
2. Remove cover and pour in resin to within 5 inches of bottom of dome. This level will allow for resin expansion.
3. Replace cover and tighten cover nuts.
4. Securely seal excess resin in plastic bag to prevent its drying out and then becoming ineffective. Properly identify and store.

OPERATION

1. Prime pump system. Refer to Operating Instructions furnished with pump, or use SERFILCO-priming bulb.
2. If pre-filter is included between pump and resin chamber, record cartridge number for future reference. When cartridge becomes dirty from use, flow rate through resin system will be reduced.
3. Solution enters resin chamber at inlet connection in cover, through dispersion dome and down-through resin to exit at base.

4. Ion exchange resins are offered for various applications - see Bulletin R-208.

RESIN REPLACEMENT

1. Drain solution from chamber by removing hoses from rinse tank and loosening cover, or removing vent plug.
2. Remove cover. Shovel or scoop resin into a plastic bag, seal and return to refinery for metal recovery. Note: Include any and all used prefilters with the resin for recovery of particulate metal by the refinery.
3. Clean the shell, trap screen in base, and gasket in cover.
4. Fill chamber with new resin per Pre-Start-Up instructions.



CAUTION: Do not mix ion exchange resins with strong oxidizing agents. Nitric acid and other strong oxidizing agents can cause explosive reactions when mixed with organic materials such as ion exchange resins.

Also, regeneration of resins used on cyanide solution is not recommended since acid and cyanides produce poisonous gas.