

**RIESKAMP EQUIPMENT WATER RECYCLE EQUIPMENT
MODEL 160-G-040**

1. Description of Equipment

- A. Console: Model-160-G-040 consists of a 304 stainless steel console which houses the PLC, stainless steel pumps, cyclones, and plumbing. Console is equipped with right side removable door for access to pumps and cyclones. Left side of console shall house the PLC with a clear window kit Square D 9421 NCI, for monitoring functions of PLC. Console shall have a master disconnect switch Square D XB4-BD21. Starters for pumps shall be GV2ME103 with thermal overload protection. Console shall be equipped with adjusting legs supports for level installation. Console shall have a red emergency stop button on outside of console for safety.
- B. Pumps: P-2 pump shall be a self-priming pump to lift recycles water rom collection pit. P-3 pump shall deliver recycled water from holding tank to equipment as needed.
These pumps shall be stainless steel SST
3PH TEFC 3HP AC DU 200/300T3SCS rated at 80PSI @ 50 GPM All piping inside console shall be PVC Schedule 80.
- C. Storage Tank:
System shall have a 500-gallon poly conical bottom tank with support stand PE 48" X 85". Storage tanks shall be complete with bulk head fittings and fill valve 1/1/2"
- D. Ozonator: Ozonater shall be Model 60 Turbohydrozone 110V 60HZ TH60-16 with %" Mazzei Injector. Ozonator assists in odor control.
- E. Cyclone Separators: Cyclones shall be 600-N-3 Nylon with 1/8" orifice. Cyclones shall be B6880-300-00-M01.

2. Description of Operation

- A. When wash system is activated and water is required to refill wash tanks, P-2 pump is turned on. P-2 pumps discharges into cyclone separators and then on to reclaim storage tank. P-3 pumps recycled water into wash equipment wash storage tanks as needed. Dirty water from cyclones is disposed into recycle collection pits for settling. Ozone is interdicted into water when pumps are operation. Low water safety alarms are programmed into PLC.