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FYI Info. For

Order Number: ~~R000467~~
Item Number: ~~R961088~~
Line Number: 1
Job/Serial Number: ~~J000426~~
Original - Dated:
~~Revision 1, Dated 1/19/96~~

*Replacement GL
1500 Vessel Body*

*RON STELLA
MATERIAL*

Merck & Company, Inc.

REFERENCE This vessel duplicates R193-0021 except inner vessel material is SA-285 Grade C, Merck requests the motor be relocatd to 270° and relocate top head nozzles.

MODEL RC-78-1500-100-90.

NOMINAL CAPACITY 1500 gallons.

TYPE Conventionally divided jacketed (one zone on vessel straight side and one zone on bottom head), closed, welded reactor.

DIMENSIONS 78" I.D. x 65" straight side.

DESIGN PRESSURE Internal: 100 psig or full vacuum at -20°F to 450°F. 40 psig or full vacuum at -21°F to -50°F.
Jacket: 90 psig at -20°F to 450°F, 36 psig at -21°F to -50°F, with or without full internal vacuum.

VESSEL LINING Blue 9119 Glasteel, factory tested at 20,000 volts.

PLUGS This vessel will be supplied plug free.

OPENINGS Top Head (2:1 Semi Elliptical):
 NØ X 1 - 30" Glasteel 4015 glassed stainless steel cover with "Clean Clamp" design, including a 4-3/8" drive nozzle, 14" x 18" Glasteel manhole cover with integral fused sight glass and stainless steel J-clamps, (2) 2" nozzles, PFA coated pro ring with stainless steel hardware,
 ØK 1 - 10" nozzle,
 ØK 2 - 8" nozzles,
 ØK 1 - 6" nozzle,
 Ø/C 4 - 4" nozzles.

Bottom Head (2:1 Semi-Elliptical):
 ØK 2 - 4" nozzle.

Order Spec Data Sheet

(Continued)

SUPPORTS *O/C* Four side lug supports designed for S.G.= 1.8, 90 MPH load and seismic zone 1.

EXTERIOR FINISH *O/C* Paint exposed carbon steel surfaces one 3 mil coat of Amerlock 400 high solids epoxy (A-1 Aluminum color) applied over a commercially blasted surface.

GASKETS Pfaudler Series CR, Style NS (PTFE enveloped with moisture resistant Kevlar inserts).

CODE Built in accordance with the ASME Code, Section VIII, Division 1, including Appendix 27.

BAFFLE *N/A* *X* Nucelite high efficiency "fin" baffle *integral single* element RTD sensor. Flange mount for 10" nozzle for low placement.

MIXER *N/A* *X* Motor:
10HP, 3PH, 60HZ, 460 volt, 1800 RPM, explosion proof, Class 1, Division 1, Group C&D, foot mounted, severe duty, 1.15 service factor, with Class F insulation and thermostats, for use with PWM type electronic controller.

N/A *X* Drive:
SRW 5035 single reduction, right angle gear reducer to produce 117 RPM agitator speed.

N/A *X* Shaft Closure:
Durametallc VRA-C dry running double mechanical seal assembly.

N/A *X* Agitator:
44" diameter Nucelite, retreat curve impeller.

ADDITIONAL ITEMS INCLUDED *O/C* 1. Two sets of 3000 lb. threaded jacket connections, including one set of agitating nozzles.

O/C 2. 3" thick Foamglas insulation covered with 12 gauge 316L stainless on the shell and 10 gauge on the head, 50 RA finish.

O/C 3. White calibration lines on vessel wall.

N/A *X* 4. Stainless steel manhole spring assist assembly.

N/A *X* 5. Pfaudler Hi-Light 80 high intensity light assembly.

N/A *X* 6. Stainless steel spring assist for manway.