

R78 series

STANDARD REACTOR SPECIFICATIONS

Standard Models	R78-1500-50	R78-1500-75	R78-1500-100	R78-2000-50	R78-2000-75	R78-2000-100
Inside Diameter	78"	78"	78"	78"	78"	78"
Working Capacity	1500 gal.	1500 gal.	1500 gal.	2000 gal.	2000 gal.	2000 gal.
Actual Capacity Exclusive of Top Head*	1613 gal.	1613 gal.	1613 gal.	2006 gal.	2006 gal.	2006 gal.
Internal Pressure	50 lbs.	75 lbs.	100 lbs.	50 lbs.	75 lbs.	100 lbs.
Jacket Heating Area	158 sq. ft.	158 sq. ft.	158 sq. ft.	191 sq. ft.	191 sq. ft.	191 sq. ft.
Net Weight Standard Reactor No Accessories	11,200 lbs.	11,200 lbs.	11,200 lbs.	12,900 lbs.	12,900 lbs.	12,900 lbs.
Net Weight with Agitator and Drive	12,500 lbs.	12,500 lbs.	12,500 lbs.	14,200 lbs.	14,200 lbs.	14,200 lbs.
Add for Shipping Weight	300 lbs.	300 lbs.	300 lbs.	600 lbs.	600 lbs.	600 lbs.

*Top Head Capacity 269 gal.

PLAN A

Internal Pressure:

Standard Pressure 50 lbs.
 Medium Pressure 75 lbs.
 Requires high pressure clamps and automatic lubrication for stuffing box.

Jacket Pressure:

90 lbs. or 75 lbs. with full internal vacuum.

Steel Thickness:

Inner tank $\frac{3}{4}$ in. thruout
 Jacket shell $\frac{1}{2}$ in.
 Jacket head $\frac{5}{8}$ in.

PLAN B

Max. Pressure with Stock Steel

100 lb. internal with top head arrangements as indicated. Same steel thicknesses as Plan A. Stuffing box requires automatic lubrication. Jacket pressure 90 lbs. or 75 lbs. with full internal vacuum.

CUSTOM BUILT REACTORS

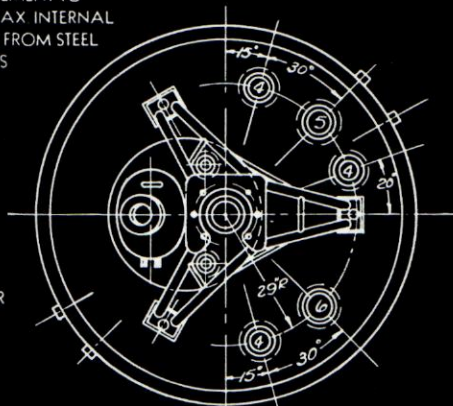
This size of reactor can be built up to 96 in. st. side, 2250 gals. and up to 1 in. wall thickness and internal pressure up to 150 lbs. depending on chemical service conditions.

"RLBH" drive is standard. Hardened gears interchangeable for heavy duty.

Bottom outlet size: 4"

PLAN B

MODIFIED NOZ. ARRANGEMENT TO SECURE MAX. INTERNAL PRESSURE FROM STEEL THICKNESS



PLAN A

30" COVER ASSEM. WITH 5- $\frac{3}{4}$ " AGITATOR NOZ.
 12" x 16" M. H. SIDE HINGE
 4" OBS. GLASS
 2-2" VERT. NOZ'S

SPECIAL COVER

A 36" COVER ASSEMBLY & A 50" DIA. X 6 $\frac{3}{4}$ " WIDE AGITATOR IS USED WHERE VIOLENT AGITATION IS DESIRED

2-1 $\frac{1}{2}$ " COUP. IN STR. SIDE
 2-1 $\frac{1}{2}$ " COUP. IN BOT. HD.

2-2" COUP. IN STR. SIDE
 2-2" COUP. IN BOT. HD.

