

Sr No	Medium Description	Basic Material	Rating	Operating	Operating	Design	Design	Flange Facing	Gaskets Specs.	
				Pressure Bar (G)	Temper. Deg. C	Pressure Bar (G)	Temp. Deg. C		6962	EPDM
1	Air agitation ( Brine contact )	FRP	150	1	40	3	80	R.F.	OK	
2	Air compressed moist ( Brine contact)	FRP	150	4.5	40	6	80	R.F.	OK	
3	Air compressed moist ( Brine contact)	FRP	150	2	40	3	80	R.F.	OK	
4	Chlorine Waste Air moist (80 to 95 deg.C)	FRP-HT	150	-0.02	90	-0.04	95	R.F.	OK	
				to + 0.02		to + 0.04				
5	Chlorine Waste Air moist (below 80 deg.C)	FRP	150	-0.02	60	-0.04	80	R.F.	OK	
				to +0.02		to + 0.04				
6	Chlorine Waste Air ( 80 to 95 deg.C)	FRP -HT	150	0.2	90	0.4	95	R.F.	OK	
7	Chlorine Waste air moist (below 80 deg.C)	FRP	150	0.2	60	0.4	80	R.F.	OK	
8	Chlorine waste air moist containing HCL	FRP -PVC	150	-0.02	40	-0.04	60	R.F.	OK	
				to + 0.02		to + 0.04				
9	Chlorine waste air moist containg HCL	CS -RL	150	0.2	40	1	80	R.F.	OK	
10	Chlorine waste air moist containing H2So4	FRP -PVC	150	0.2	40	0.4	60	R.F.	OK	
11	Barium carbonate Slurry	FRP	150	2	60	4	80	R.F.	OK	
12	Brine saturated with chlorine ( Anolyte )	FRP -HT	150	0.4	90	-0.04	95	R.F.	OK	
						to + 0.6				
13	Brine saturated with Chlorine ( Anolyte )	FRP -HT	150	0.4	90	0.6	95	R.F.	OK	
14	Crude Brine	FRP	150	4	60	8	80	R.F.	See Note*	
15	Crude Brine	FRP	150	2	60	3	80	R.F.	OK	
16	Polished Brine	FRP	150	4	60	8	80	R.F.	See Note*	
17	Polished Brine	FRP	150	2	60	3	80	R.F.	OK	
18	Sodium Bisulphite	FRP -PVC	150	4	40	5	60	R.F.	OK	
19	Condensate Chlorine ( Below 80 deg.C)	FRP	150	-0.5	35 /40	-1.03	60	R.F.	OK	
				to + 1.5		to+ 3.5				
20	Condensate Chlorine ( above 80 deg.C)	FRP -HT	150	0.24	85	0.4	90	R.F.	OK	
21	Chlorine gas moist ( 80 to 95 deg.C)	FRP -HT	150	0.24	90	-0.04	95	R.F.	OK	
						to + .04				

22	Chlorine gas moist ( up to 80 deg C )	FRP	150	-0.03 to + 0.24	70	-0.05 to + 0.4	80	R.F.	OK
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Sr No	Medium Description	Basic Material	Rating	Operating Pressure Bar (G)	Operating Temper. Deg. C	Design Pressure Bar (G)	Design Temp. Deg. C	Flange Facing	6962-EPDM
23	5 % caustic soda at ( Ion exchange )	FRP-PVC	150	1	50	3	60	R.F.	OK
24	33 % HCL	FRP -PVC	150	3	40	5	60	R.F.	OK
25	Nitrogen at cells	FRP	150	2	40	5	60	R.F.	OK
26	Nitrogen at cells	FRP -HT	150	0.3	40	1	90	R.F.	OK
27	sodium carbonate solution	FRP	150	2.5	60	4	80	R.F.	OK

## Group II

1	Pure Brine after Ion exchange column	FRP-PP	150	2	70	8	80	R.F.	OK
2	Acidified Brine	CS -PTFE	150	1.5	90	7	95	R.F.	OK
3	Acidified Brine	CS -PTFE	150	3	147	3.5	175	R.F.	OK
4	caustic solution in cell House ( H.T.)	FRP-PP	150	2	90	4.5	95	R.F.	OK
5	caustic soda 33 %	S.S	150	4.5	85	6	95	R.F.	OK
6	caustic soda 33 % - 42 %	CS -PTFE	150	4	80	6	90	R.F.	OK
7	caustic soda 33 %	CS -PTFE	150	4.5	90	8	95	R.F.	See Note*
8	Hydrogen ( at cell ) to stack	FRP-PP	150	0.26	90	0.4	95	R.F.	OK
9	H2so4 78 %	CS -PTFE	150	4	40	5	60	R.F.	OK

## Group III

1	Brine saturated with chlorine ( Anolyte )	CS-RL	150	-0.6	85	Full vac.	90	F.F	OK
2	Crude Brine	CS-RL	150	4	60	8	80	F.F	See Note*
3	lean Brine	CS-RL	150	-0.4	85	-1	90	F.F	OK

4	Polished Brine	CS-RL	150	to +4 6	60	to + 6 8	80	F.F	See Note*
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5	Chlorine gas moist upto 80 deg .c	CS-RL	150	-0.6	75	-1.03	80	F.F	OK
6	33 % HCL								OK
7	sodium hypochlorite								OK

**NOTE \* : The Design Pressure X Temperature is high for flat rubber gaskets.The Operating Pressure X Temperature is OK for (6962 EPDM)  
Better to investigate using (PTGW), if Design P X T will be achieved in this system.**

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