

Typical Application Guide of Phoenix "Plant wide" Gasketing System @ Chlor-alkali - Membrane cell Technologies plant

Sr No	Medium Description	Operating Pressure Bar	Operating Temper. Deg. C	Original Spec. gaskets replace with	Thk
1	<p><b>Pure Brine Head Tank</b>                      Nacl=310 gpl; Naclo3= 10gpl; Na2so4 7gpl; Na2co3=400mgpl, NaoH=150mgpl</p> <p>Original Gaskets spec ;                      6 Thk EPDM Rubber with Steel Insert</p>	0.00	70	6962 EPDM	3 mm
2	<p><b>Hydrogen Seperator</b>                      Catholyte soda solution ( NaoH 33 %) H2 gas</p> <p>Original Gaskets spec ;                      6 Thk EPDM Rubber with Steel Insert</p>	0.4 Bar	95	6962 EPDM	3 mm
3	<p><b>Wet chlorine Filter</b>                      Chlorine gas Moist + cl2 gas containing Nacl Mist + water Droplet</p> <p>Original Gaskets spec ;                      6 Thk Nat.Rubber with SS.Steel Insert</p>	(')- 0.1 bar (')+ 0.4 bar	50	6962 EPDM	3 mm
4	<p><b>Chlorine drying Tower</b>                      Chlorine gas moist &lt; 80 deg c, wet/dry cl2, H2so4 ( 78 %/98 % ), other Impurities Na2so4, chlorinated hydro carbon</p> <p>Original Gaskets spec ;                      6 Thk Viton/EPDM with Steel Insert</p>	(') -0.100 to + 0.400	50	6962 EPDM	3 mm

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5	<b>Chlorine seperator</b> Nacl= 215gpl, NaclO3= 13gpl; Na2so4 =10 Free Cl2 = 350 -450 mgpl; Hcl= 200 mgpl Original Gaskets spec ; 6 thk Nat.Rubber with Steel Insert	0.4	95	6962 EPDM	3 mm
6	<b>Chlorate Decomposition Tank</b> Anolyte Original Gaskets spec ; 6 thk Viton Rubber with Steel Insert	0.2	95	6962 EPDM	3 mm
7	<b>Final Absorber</b> Active cl2 - 60 -120 gpl; Air with chlorine, water, NAOH, Nacl Original Gaskets spec ; 6 thk Hypalon Rubber with Steel Insert	0.05	20	6962 EPDM	3 mm
8	<b>Bleaching Lye storage Tank</b> Bleach liquor contatining NaoH, Naocl, Naocl3 Original Gaskets spec ; 6 thk Hypalon Rubber with Steel Insert	0.915	30	6962 EPDM	3 mm
9	<b>Caustic Head Tank &amp; Catholyte Tank</b> 32 % NaOH / 30- 35 % NaoH lye Original Gaskets spec ; 6 thk EPDM Rubber with Steel Insert	Full of Liquid	90	6962 EPDM	3 mm

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10	<b>Anolyte Tank</b> Original Gaskets spec ; 6 thk EPDM Rubber with Steel Insert			6962 EPDM	3 mm
11	<b>HCL Storage / Head Tank</b> Original Gaskets spec ; 6 thk Nat.Rubber with Steel Insert			6962 EPDM	3 mm
12	<b>Cathloyte / Anolyte Header .</b> Original Gaskets spec ; 6 thk EPDM Rubber with Steel Insert			6962 EPDM	3 mm
13	<b>78 % H2so4 Tank</b> Original Gaskets spec ; 6 thk NAT Rubber with Steel Insert			6962 EPDM	3 mm
14	<b>Safety Vessel</b> Original Gaskets spec ; 6 thk NAT Rubber with Steel Insert		(	6962 EPDM	3 mm

The above are Typical and to be use as a guidelines. Specific details should be discussed with our technical people to verify proper use of particular gasketing into specific application. Flange design, PXT Value,materials of construction , Quality of flanges finish, available Bolt load and Torque etc. can affect the gaskets materials of choice.