



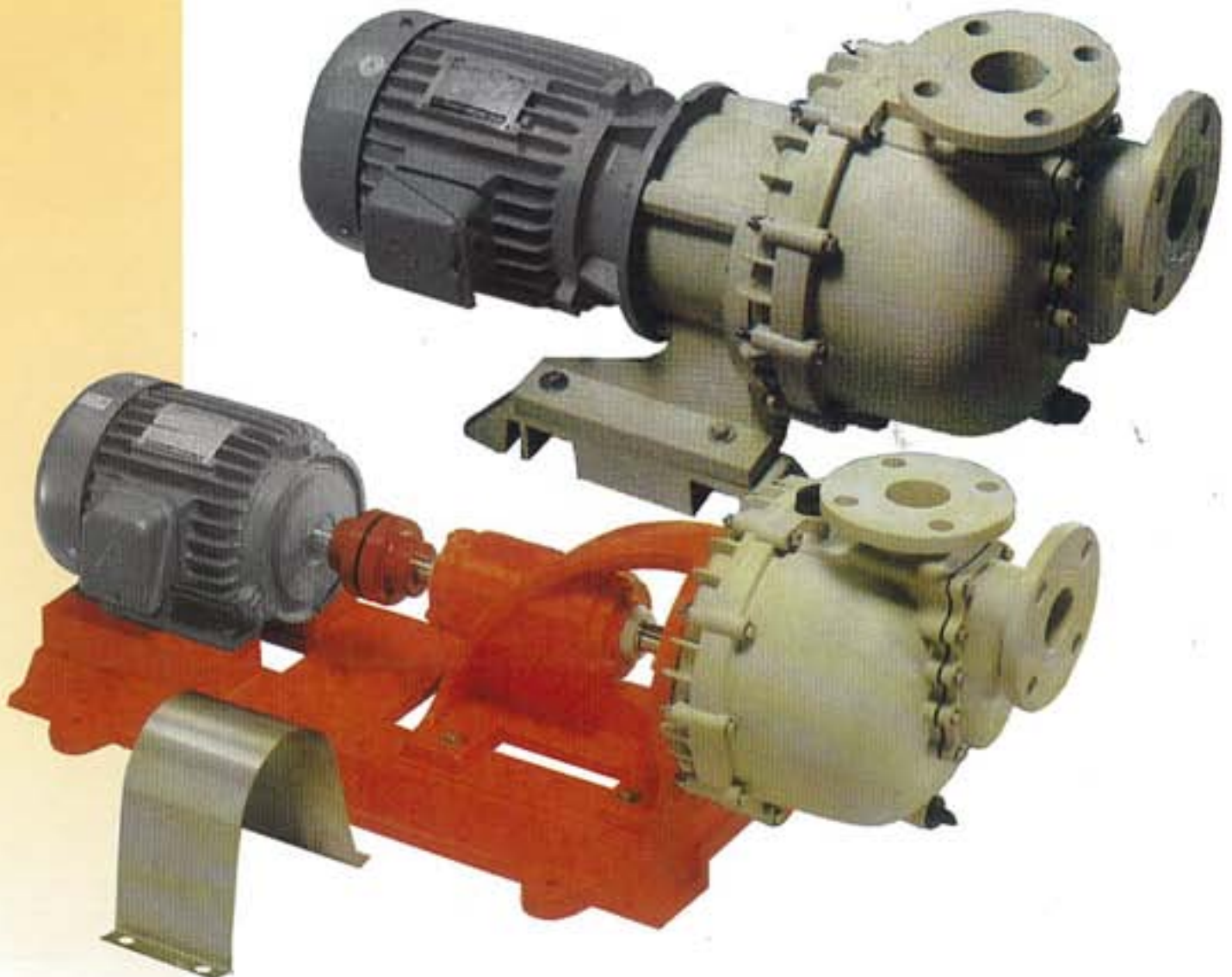
**CHEMTAI**

**SELF - PRIMING CHEMICAL PUMP**

# **COAXIAL VACUUM ACID/ALKALINE PUMP**

**CT SERIES / CTB SERIES**

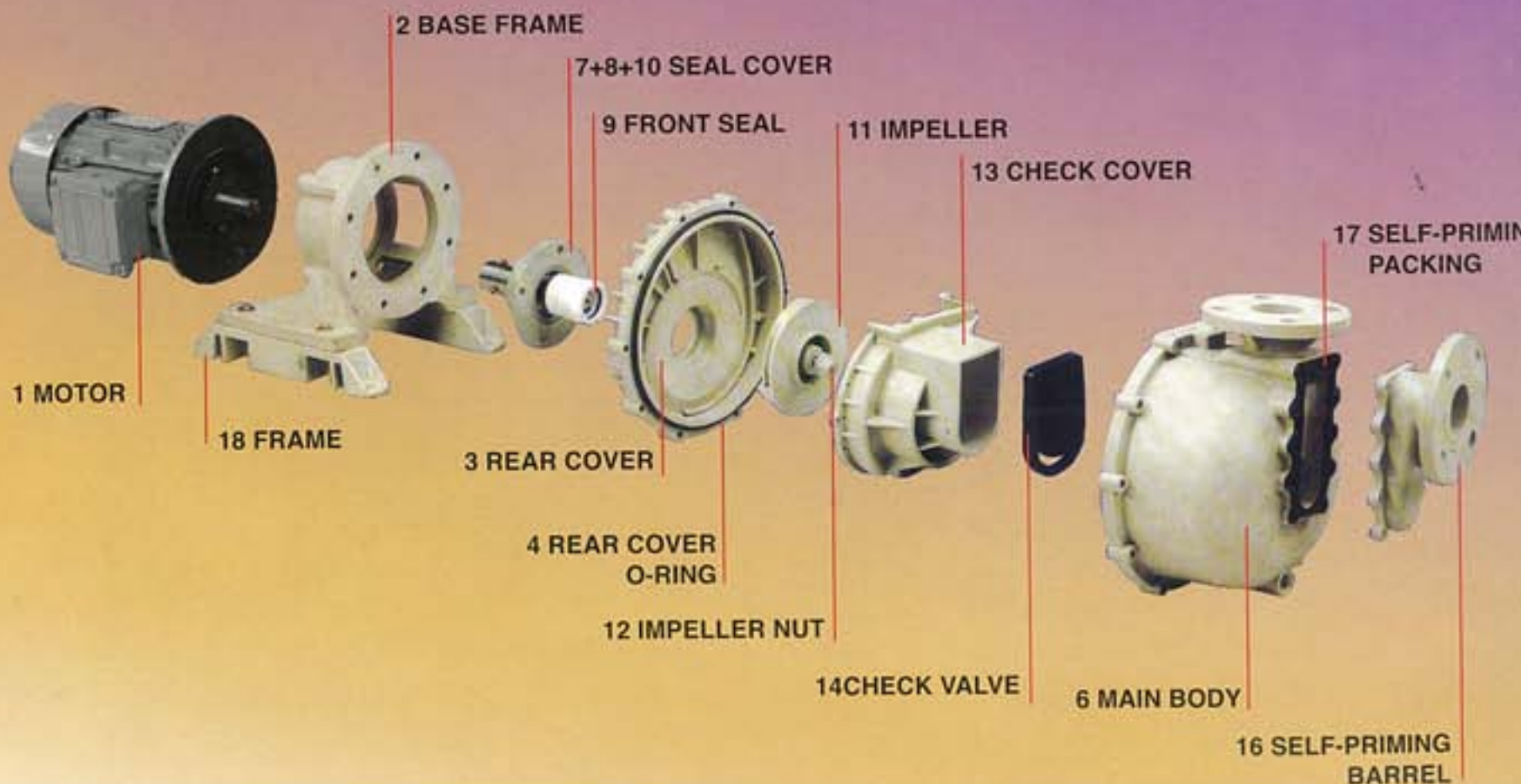
**OPERATION INSTRUCTION**





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# A combination of theorem and extensive experience.



# CORROSION RESISTANCE CHART



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CHEMICAL NAME	CONCENTRATION %	TEMPERATURE °C	BODY MATERIAL			SEAL MATERIAL			RUBBER MATERIAL		
			FRPP	CFRPP	PVDF	Ceramic	Carbon	Sic	NBR	EPDM	VITON
H <sub>2</sub> SO <sub>4</sub> Sulfuric acid	30	40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●		●	●
		80	●	●	●	●	●	●		○	●
		95			●	●	●	●			●
	60	40	●	●	●	●	●	●		●	●
		60	●	●	●	●	●	●		●	●
		80	○	○	●	●	●	●		○	●
	98	40			●	●	●	●			●
		60			○	●	●	●			●
HCL Hydrochloric acid	15	40	●	●	●	○	●	●		●	●
		60	●	●	●	●	●	●		●	●
		80	○	○	●	●	●	●		○	●
	32	40	●	●	●	●	●	●		○	○
		60	●	●	●	●	●	●			
		80	○	○	●	●	●	●			
CrO <sub>3</sub> Chromic acid	20	40			●	●					●
		60			●	●					●
		80			●	●					○
HNO <sub>3</sub> Nitric acid	20	40	●	●	●	●		●			●
		60	○	○	●	○		●			●
		80	○	○	●			●			●
	50	40	●	●	●			●			●
		60	○	○	●			●			●
		80	○	○	●			●			●
H <sub>3</sub> PO <sub>4</sub> Phosphoric acid	25	40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●	○	●	●
		80	○	○	●	●	●	●		○	●
	50	40	●	●	●	●	●	●		●	●
		60	●	●	●	●	●	●		○	●
		80	○	○	●	○	●	●		○	●
NaOCl Sodium Hypochlorite	10	40	○	○	●	●	○	●			●
		60	△	△	●	●	△	●			●
		80	×	△	●	●	×	●			●
CH <sub>3</sub> COOH Acetic acid	25	40	●	●	●	●	●	●			×
		60	●	●	●	●	●	●			×
		80	○	○	●	●	●	●			×
HF Hydrofluoric	25	40	×	●	●	×	○	●		●	●
		60	×	○	●	×	○	●		●	●
		80	×	×	●	×	○	●		○	●
HCl+HNO <sub>3</sub> Aquaregia	3:1	40	×	×	●	●	×	●	×		○
		60	×	×	●	○	×	●	×		○
		80	×	×	●	●	×	●	×		●
H <sub>2</sub> O <sub>2</sub> Hydrogen Peroxide	10	40	●	●	●	●	×	●	×		●
		60	○	○	●	●	×	●	×		●
		80	×	×	●	●	×	●	×		●
NaOH Caustic soda	45	40	●	●	●	△	●	●	●	●	○
		60	○	○	○	×	●	●	●	●	△
		80	○	○	×	×	●	●	○	○	△
FeCl <sub>3</sub> Ferric chloride		40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●	○	●	●
		80	●	●	●	●	●	●	●	●	●
Cu(CN) <sub>2</sub> Copper Cyanide		40	●	●	●	△	●	●	●		●
		60	●	●	●	△	●	●	●		●
Zn Cl <sub>2</sub> Zinc Chlorate		40	●	●	●	●	●	●	●		●
		60	●	●	●	●	●	●	●		●
NiSO <sub>4</sub> Nickel Sulfate		40	●	●	●	●	●	●	●		●
		60	●	●	●	●	●	●	●		●

● EXCELLENT ○ GOOD △ NOT GOOD × BAD