



CATALOG

YEAR 2025



SELF-PRIMING PUMP

MODEL : CT SERIES

HIGH EFFICIENCY
MOTOR IE3/IE4
Premium Quality



A NEW LEVEL OF PUMP PERFORMANCE
Expanded field of application owing
to improved corrosion resistance.



CHEMICAL
INDUSTRY



POLLUTION
PROCESS



SEMICONDUCTOR



AUTO-PART
INDUSTRY

CT SERIES

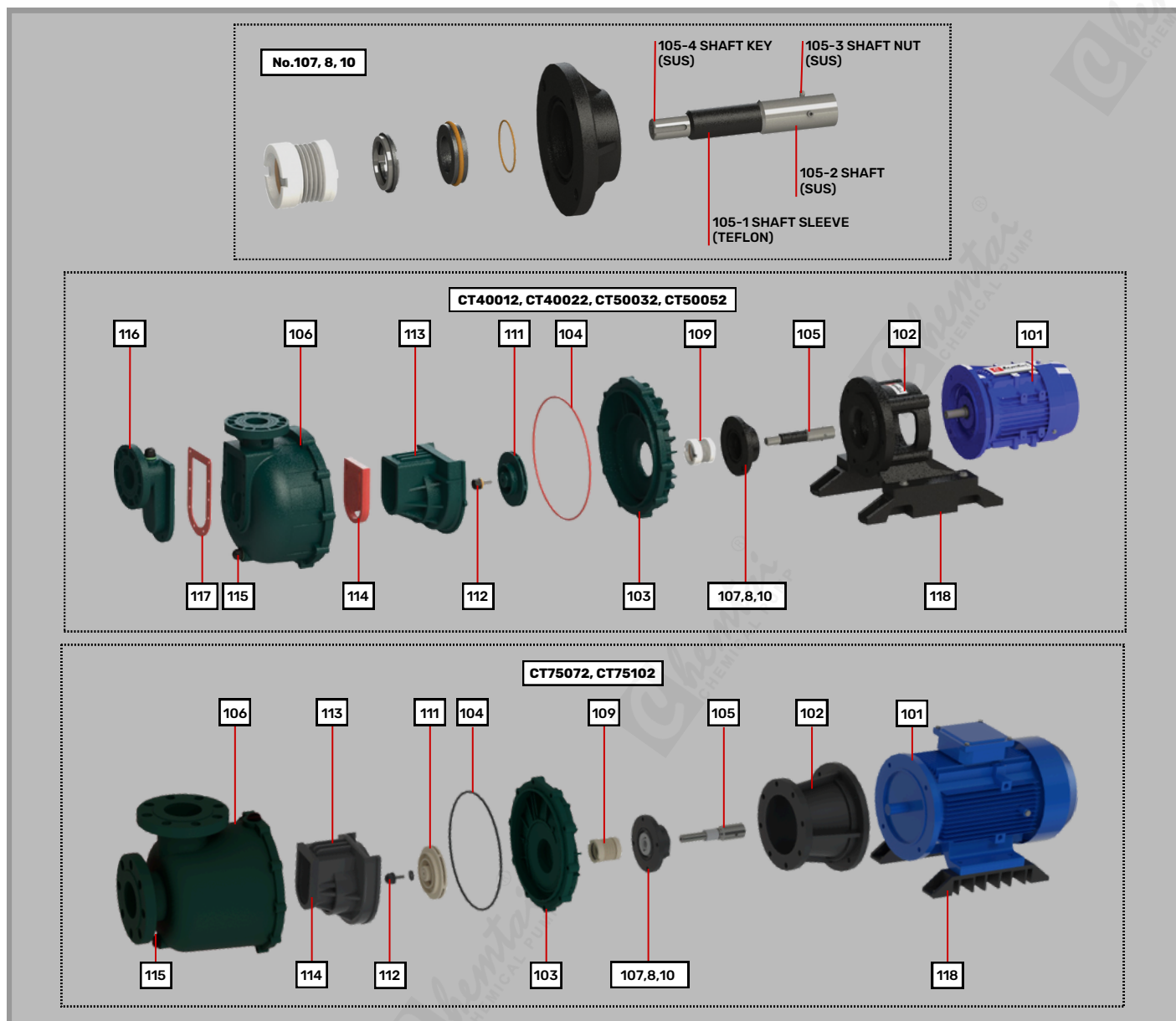
MODEL IDENTIFICATION



1 2 3 4 5 6 7 8 9 10
CT - 40 02 2 E A H - C C H

1	MATERIAL	:	CT-FRPP	CTP-PVDF	CTC-CFRPP
2	INLET/OUTLET	:	40-40x40mm.	50-50x50mm.	75-80x80mm.
3	POWER	:	01 - 1 HP	02 - 2 HP	03 - 3 HP
			07 - 7.5 HP	10 - 10 HP	05 - 5 HP
4	POLE	:	2 - 2 Pole	4 - 4 Pole	
5	RUBBER MATERIAL	:	V - VITON	E - EPDM	
6	CHECK VALVE	:	A-WITH CHECK-VALVE(INLET HIGHER THAN LIQUID LEVEL) B-NON CHECK-VALVE(INLET LOWER THAN LIQUID LEVEL)		
7	LOW/HIGH HEAD	:	L - LOW HEAD	H - HIGH HEAD	
8	STATIONARY RING	:	C - CERAMIC	S - SIC	
9	ROTATIONAL RING	:	C - CERAMIC	S - SIC	
10	SPRING	:	H-HASTELLOY-C	S - SUS316	





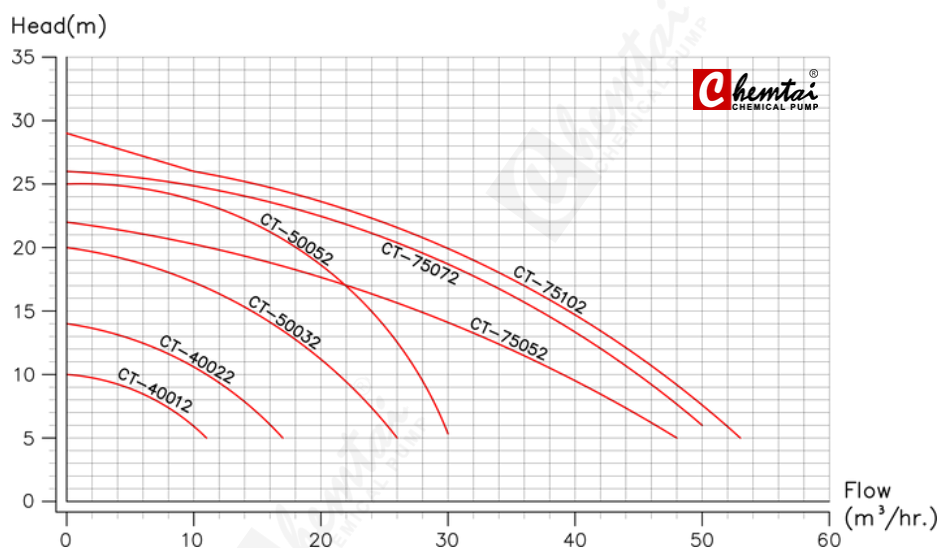
No.	Description	Material
101	Motor	
102	Base Frame	FRPP
103	Rear Cover	FRPP, CFRPP, PVDF
104	Rear Cover O-Ring	EPDM, VITON
105	Shaft	SUS
106	Main Body	FRPP, CFRPP, PVDF
107,8,10	Seal Cover Ring And O-ring	FRPP, CFRPP, PVDF / EPDM, VITON
109	Front Seal	TEFLON
111	Impeller	FRPP, CFRPP, PVDF
112	Impeller Nut	FRPP, CFRPP, PVDF
113	Check Cover	FRPP, CFRPP, PVDF
114	Check Valve	EPDM, VITON, TEFLON
115	Water Filling Cap And O-Ring	FRPP, CFRPP, PVDF / EPDM, VITON
116	Self-Priming Barrel	FRPP, CFRPP, PVDF
117	Self-Priming Packing	EPDM, VITON
118	Frame	FRPP

CT SERIES

Self-Priming Chemical Pump



PERFORMANCE CURVE & SPECIFICATION SELF-PRIMING PUMP (CLOSE IMPELLER)



SELF-PRIMING PUMP (CLOSE IMPELLER)

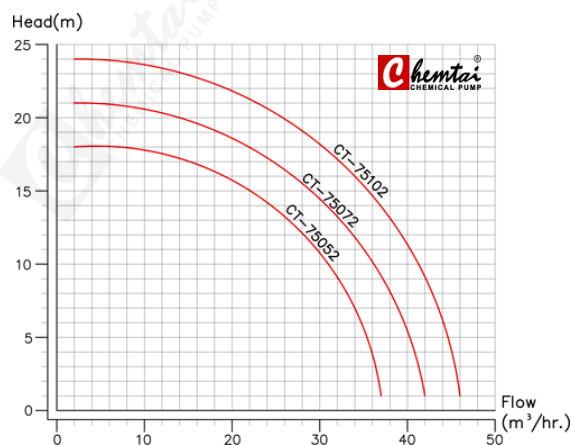
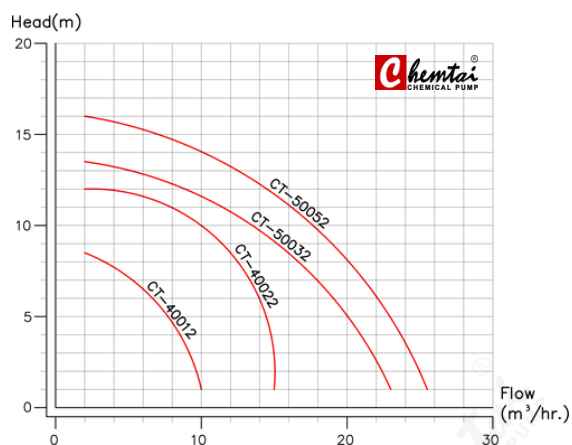
Model	Standard size		Max. Capacity (m³/hr.)	Max. Head (m.)	Standard Duty Point		Motor P2 (kW.)	Weight (kg.)
	Inlet(mm.)	Outlet(mm.)			Capacity (m³/hr.)	Head (m.)		
CT-40012	40	40	11	10	9	6	0.75	19.4
CT-40022	40	40	17	14	11	10	1.5	25
CT-50032	50	50	26	20	19	12	2.2	26.8
CT-50052	50	50	30	25	23	16	3.7	38.3
CT-75052	80	80	48	22	25	16	3.7	40.1
CT-75072	80	80	50	26	33	18	5.5	60.1
CT-75102	80	80	53	29	34	18	7.5	64.6

CT SERIES

Self-Priming Chemical Pump



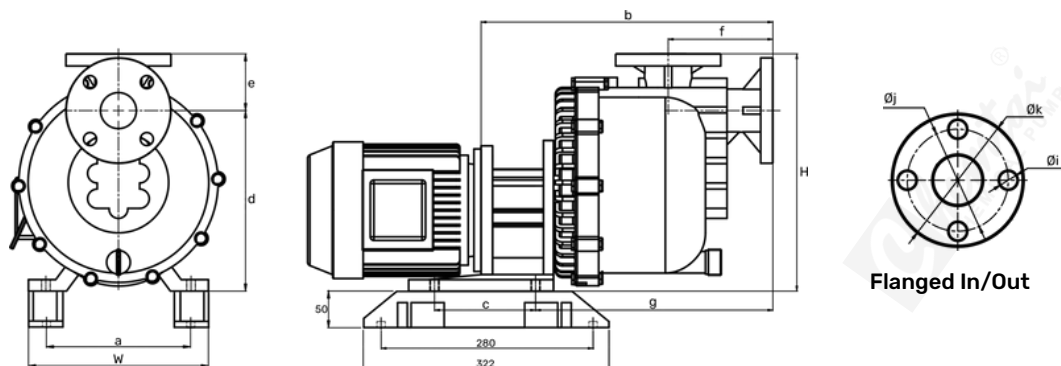
PERFORMANCE CURVE & SPECIFICATION SELF-PRIMING PUMP (OPEN IMPELLER)



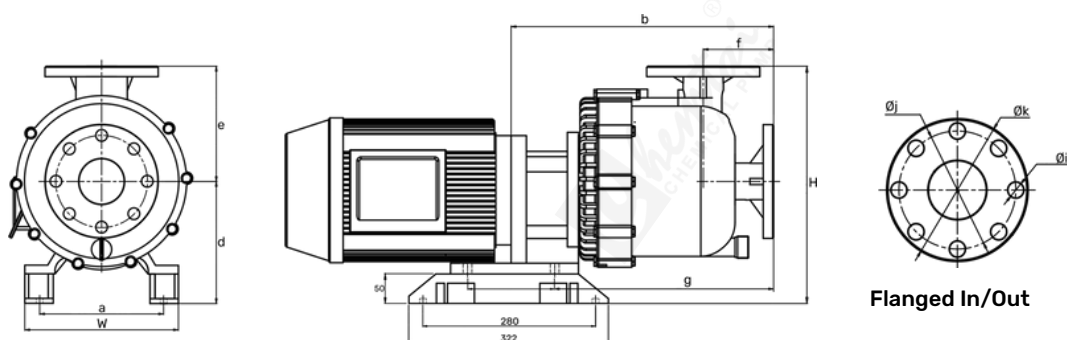
SELF-PRIMING PUMP (OPEN IMPELLER)

Model	Standard size		Max. Capacity (m³/hr.)	Max. Head (m.)	Standard Duty Point		Motor P2 (kW.)	Weight (kg.)
	Inlet(mm.)	Outlet(mm.)			Capacity (m³/hr.)	Head (m.)		
CT-40012	40	40	10	8.5	7.7	5	0.75	19.4
CT-40022	40	40	15	12	12	8.5	1.5	25
CT-50032	50	50	23	13.5	13.5	10	2.2	26.8
CT-50052	50	50	25	16	14.5	12	4.0	38.3
CT-75052	80	80	37	18	25.5	13.5	4.0	40.1
CT-75072	80	80	42	21	29	15	5.5	60.1
CT-75102	80	80	46	24	34	34	7.5	64.6

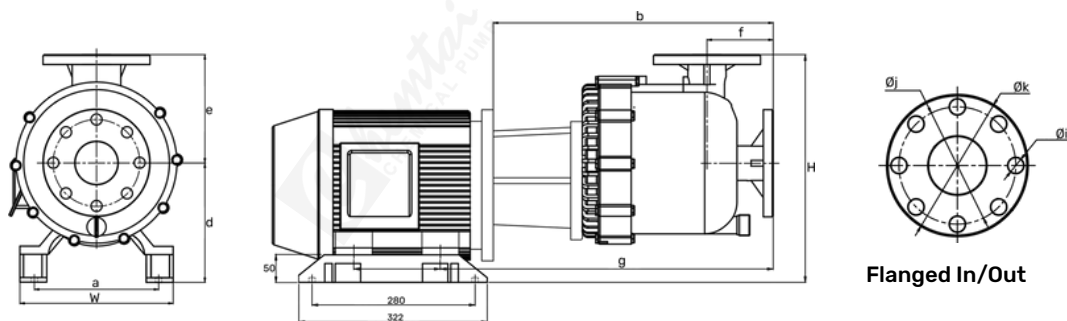
DIMENSION



CT-40012 / CT-40022 / CT-50032 / CT-50052



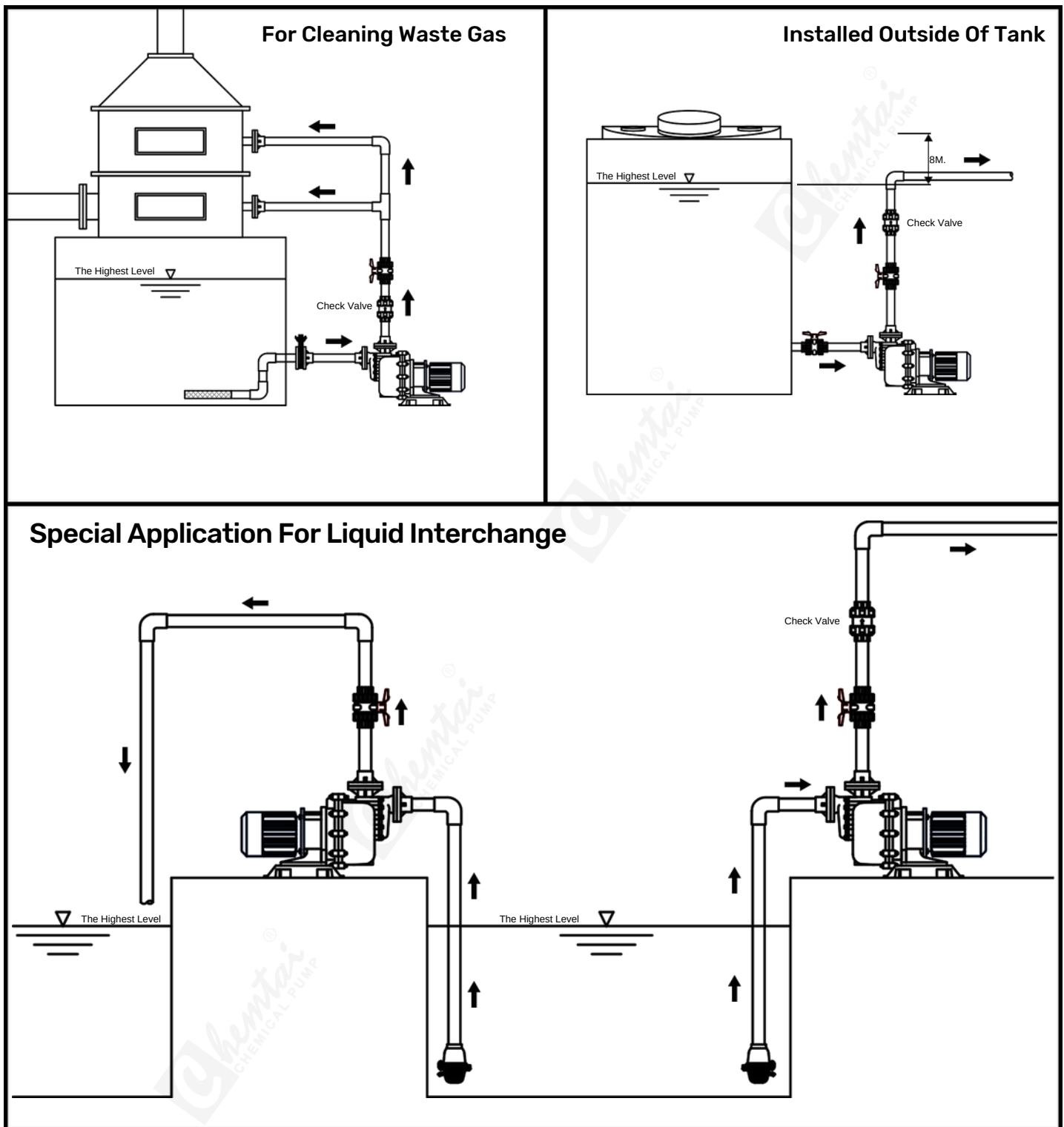
CT-75052



CT-75072 / CT-75102

SELF-PRIMING PUMP (CT SERIES)

MODEL	W	H	In (mm.)	Out (mm.)	a	b	c	d	e	f	g	Øi	Øj	Øk
CT-40012	251	330	40	40	203	407	141	250	79	146	331	Ø19	Ø105	Ø137
CT-40022	251	330	40	40	203	407	141	250	79	146	331	Ø19	Ø105	Ø137
CT-50032	251	325	50	50	203	407	141	250	76	151	331	Ø19	Ø117	Ø154
CT-50052	251	325	50	50	203	407	141	250	73	151	268	Ø19	Ø117	Ø154
CT-75052	251	386	75	75	203	429	282	200	188	115	291	Ø19	Ø153	Ø188
CT-75072	265	393	75	75	215	484	282	206	188	115	515	Ø19	Ø153	Ø188
CT-75102	265	393	75	75	215	484	282	206	188	115	515	Ø19	Ø153	Ø188

PUMP APPLICATION EXAMPLES**TRYPICAL APPLICATIONS**

- Chemical Industry
- Waste Water Treatment Industry
- Pulp And Paper Making Industry
- Textile Industry
- Pharmaceutical Industry
- Drying Industry
- PCB And Electronic Industry
- Plating Industry

CORROSION RESISTANCE CHART

Chemical Solution Name	Concentration %	Temperature °C	Body Material			Seal Material			Rubber Material		
			FRPP	CPVC	PVDF / GFR/ETFE	Ceramic	Carbon	Sic	NBR	EPDM	VITON
H₂SO₄ Sulfuric acid	30	40	×	●	●	●	●	●	●	●	●
		60	×	●	●	●	●	●	●	●	●
		80	×	○	●	●	●	●	●	○	●
		95			●	●	●	●			●
	60	40	×	●	●	●	●	●		●	●
		60	×	●	●	●	●	●		●	●
		80	×	△	●	●	●	●		○	●
		95			●	●	●	●			●
	98	40	×	○	●	●	●	●			●
		60	×	△	○	●	●	●			●
		80			●	●	●	●			●
		95			●	●	●	●			●
HCL Hydrochloric acid	25	40	●	●	●	○	●	●		●	●
		60	○	○	●	●	●	●		●	●
		80			●	●	●	●		○	●
	35	40	●	●	●	●	●	●		○	○
		60	○	○	●	●	●	●			
		80			●	●	●	●			
CrO₃ Chromic acid	20	40	×	○	●	●	●	●			●
		60		△	●	●	●	●			●
		80			●	●	●	●			○
HNO₃ Nitric acid	30	40	○	○	●	●	○	●			●
		60	×	△	●	●	○	●			●
		80	×	×	●	●	○	●			●
	50	40	△	○	●	●	○	●			●
		60	×	△	●	●	○	●			●
		80			●	●	○	●			●
H₃PO₄ Phosphoric acid	10	40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●	○	●	●
		80	○	○	●	●	●	●		○	●
	50	40	●	●	●	●	●	●		●	●
		60	●	○	●	●	●	●		○	●
		80	△	△	●	○	●	●		○	●
NaOCl Sodium Hypochlorite	10	40	○	●	●	●	○	●			●
		60	○	○	●	●	△	●			●
		80	△		●	●	×	●			●
CH₃COOH Acetic acid	20	40	●	●	●	●	●	●			×
		60	●	○	●	●	●	●			×
		80	○	△	●	●	●	●			×
HF Hydrofluoric	30	40	×	○	●	×	○	●		●	
		60	×	△	●	×	○	●		●	
		80	×	×	●	×	○	●		○	
HNO₃ + 3HCl Aqua regia	3:1	40	×	△	●	●	×	●	×		○
		60	×	×	●	○	×	●	×		○
		80	×	×	●	●	×	●	×		●
H₂O₂ Hydrogen Peroxide	20	40	●	●	●	●	×	●	×		●
		60	●	○	●	●	×	●	×		●
		80	○	○	●	●	×	●	×		●
NaOH Sodium Hydroxide	45	40	●	○	●	●	×	●	●	●	○
		60	○	△	○	●	×	●	●	●	△
		80	○	×	×	●	×	●	○	○	△
FeCl₃ Ferric chloride	40	40	●	●	●	●	●	●	●	●	●
		60	●	●	●	●	●	●	○	●	●
		80	●	●	●	●	●	●		●	●
Cu(CN)₂ Copper Cyanide		40	●	●	●	△	●	●	●		●
		60	●	●	●	△	●	●	●		●
ZnCl₂ Zinc Chloride		40	●	●	●	●	●	●	●		●
		60	●	●	●	●	●	●	●		●
NiSO₄ Nickel Sulfate		40	●	●	●	●	●	●	●		●
		60	●	●	●	●	●	●	●		●

● : Excellent ○ : Good △ : Not Good × : Bad



A new level of pump performance.

Expanded field of application owing
to improved corrosion resistance.

