

# Lists of applicable seal kit, bearing, seal and gasket material options for special specification

- Unauthorized disassembling and/or modifying voids product warranty and inspection.
- Please specify a model no. of pump, MFG no. and serial no., when ordering.
- The bearing is not included in the seal kit. Please order separately.

## ■ Applicable seal kit list

Pump model	Item	Oil seal		O-ring		Gasket	
		Model no.	Q'ty	Model no.	Q'ty	Model no.	Q'ty
1A		SC08227	1	JASO 1033	1	—	—
1HG		TC12327	1	S38 S42	1 1	—	—
2HB		SC15357	2	S53	2	Gasket Top cover gasket	1 1
2.5HGA		SC19358	1	S65	1	Gasket Top cover gasket	1 1
N3FA N3FB		TC25528	1	G90	1	—	—
N3H		TC25528	1	G90 G60 G45	1 1 2	Gasket	1
3V		TC254511	1	G60 G115	2 1	—	—
4AM		TC355511	1	142.47×3.53 G75 S65 P38	1 1 2 2	—	—
4A		SC456812	2	142.47×3.53 G100	2 2	Flange gasket Gasket	2 1
GPL		TC355212	1	G145 P38 G45	1 2 3	Flange gasket	4
1RA		SC8227	1	38×1.5	1	—	—
2RA		TCV12.45×30×9	1	—	—	Metal gasket	1
3RD		TCV204011	1	—	—	Gasket	1

## ■ Applicable bearing list

Pump model	Item	Bearing	
		Model no.	Q'ty
1HG		6201	2
2HB		6202 6301	1 1
2.5HGA		6201 TAF192720	1 2
N3FA N3FB		6205 TA2225Z	2 1
N3H		6205 6305	2 1

Pump model	Item	Bearing	
		Model no.	Q'ty
4AM		6307 NA6908	2 1
4A		6309 N309	2 2
GPL		TR354830 6205	4 1
3RD		51104	1

## ■ Seal and gasket material option list for special specification

Pump model	Item	code	Application	Oil seal	O-ring	Bearing	Gasket	Trochoid rotor
				Material name				
1A	US		For special fluid	Silicon	Silicon	—	—	Standard
	VF		For high temperature (Fluid temperature: up to 120C/Discharge pressure: up to 0.5MPa)	FKM	FKM			Standard
	VV		For special fluid	FKM	FKM			Standard
1HG	VF		For high temperature (Fluid temperature: up to 120C/Discharge pressure: up to 0.7MPa)	FKM	FKM	Standard	Standard	Standard
	VV		For fuel oils and specific oils. (Discharge pressure for fuel oil: up to 0.7MPa)	FKM	FKM	Standard	Standard	Standard
2HB	US		For special fluid	Silicon	Silicon	Standard	Standard	Standard
	UT		For special fluid	Teflon	Teflon square ring	Standard	Teflon sheet	Standard
	VF		For high temperature (Fluid temperature: up to 120C/Discharge pressure: up to 0.7MPa)	FKM	FKM	Standard	Teflon sheet	Standard
	VV		For fuel oils and specific oils. (Discharge pressure for fuel oil: up to 0.7MPa)	FKM	FKM	Standard	Teflon sheet	Standard
	VH		For high temperature (Fluid temperature: up to 200C/Discharge pressure: up to 0.7MPa)	Inside: Teflon Outside: FKM	Teflon square ring	C3	Teflon sheet	208~220 Specific rotor
N3H	UT		For special fluid	Teflon	Teflon square ring	Standard	Teflon sheet	Standard
	VF		For high temperature (Fluid temperature: up to 120C/Discharge pressure: up to 0.7MPa)	FKM	FKM	Standard	Teflon sheet	Standard
	VV		For fuel oils and specific oils (Discharge pressure for fuel oil: up to 0.7MPa)	FKM	FKM	Standard	Teflon sheet	Standard
	VH		For high temperature (Fluid temperature: up to 200C/Discharge pressure: up to 0.7MPa)	Teflon	FKM	C3	Teflon sheet	Specific rotor
3V	VF		For high temperature (Fluid temperature: up to 120C/Discharge pressure: up to 0.7MPa)	FKM	FKM	Standard	Teflon sheet	Standard
	VV		For special fluid	FKM	FKM	Standard	Teflon sheet	Standard
4AM	VH		For high temperature (Fluid temperature: up to 200C/Discharge pressure: up to 0.7MPa)	Teflon	FKM:G75x1 FKM:S65x1 Teflon square rings	6307C3×2 NA6908×1	—	Standard

- VF and VH are unavailable for Trochoid pumps with an integrated motor, such as 1ME, 2MY, 2ME, 3MF and other models. (High temperature oil might damage the motor.)
- Ensure that the maximum discharge pressure of the pump is below 0.7MPa for VF and VH. (High temperature oil might lower its viscosity and lubricity and that may damage the pump under the high discharge pressure.)
- Fuel oils can be used with "vv". (Ensure that the maximum discharge pressure is below 0.7MPa. They have generally low-viscosity, hence and low-lubricity.)
- Teflon is a registered trademark of Du Pont de Nemour.
- The standard material of oil seal and o-ring of Trochoid pump is NBR (nitrile rubber) except 2HT, 2HW, 4AM and 4A models. If the material does not match your oil, please specify your required seal materials.