

# IFP MOBILE DOUBLE VANE PUMP SERVICE PARTS INFORMATION



## CARTRIDGE CHART

PUMP SE	FRONT C. KIT	ROTOR	VANE	RING	FLEX PLATE	BACK C. KIT	ROTOR	VANE	RING	FLEX PLATE	SHAFTS
2520VQ	12 416439N	270597N	922710N	326984N	923956N	2 417052N	402690N	922741N	388683N	923955N	1 254964N
	14 416440N			326985N		5 417053N			333624N		11 254848N
	17 416441N			326986N		8 417054N			333625N		25 293360N
	19 421232N			326987N		9 423096N			374799N		
	21 416442N			326988N		11 416427N			333626N		
						12 416428N			353901N		
						14 416429N			353902N		
3520VQ	21 413420N	262154N	922700N	394961N	923953N	2 417052N	402690N	922741N	388683N	923955N	1 258249N
	25 413421N			319396N		5 417053N			333624N		11 258250N
	30 413422N			319397N		8 417054N			333625N		86 394517N
	35 413418N			319398N		9 423096N			374799N		13 413022N
	38 413419N			319399N		11 416427N			333626N		14 413434N
						12 416428N			353901N		
						14 416429N			353902N		
3525VQ	21 413420N	262154N	922700N	394961N	923953N	12 421244N	270597N	922710N	326984N	923956N	1 243448N
	25 413421N			319396N		14 421235N			326985N		11 243449N
	30 413422N			319397N		17 421236N			326986N		19 247019N
	35 413418N			319398N		21 421238N			326988N		86 394036N
	38 413419N			319399N							11 413023N
4520VQ	42 416435N	283871N	922701N	297510N	923954N	2 417052N	402690N	922741N	388683N	923955N	1 255533N
	47 421234N			297718N		5 417053N			333624N		11 255536N
	50 416436N			297502N		8 417054N			333625N		86 361761N
	57 421233N			306772N		9 423096N			374799N		14 413436N
	60 416437N			297503N		11 416427N			333626N		
						12 416428N			353901N		
		14 416429N	353902N								
4525VQ	42 416435N	283871N	922701N	297510N	923954N	12 421244N	270597N	922710N	326984N	923956N	1 233524N
	47 421234N			297718N		14 421235N			326985N		11 233527N
	50 416436N			297502N		17 421236N			326986N		86 361762N
	57 421233N			306772N		21 421238N			326988N		14 413024N
	60 416437N			297503N							
4535VQ	42 416435N	238871N	922701N	297510N	923954N	21 421239N	262154N	922700N	394961N	923953N	1 289083N
	47 421234N			297718N		25 421240N			319396N		11 289084N
	50 416436N			297502N		30 421241N			319397N		86 361763N
	57 421233N			306772N		35 421242N			319398N		14 413027N
	60 416437N			297503N		38 421243N			319399N		

- All Cartridge assemblies are factory tested before shipping -

PUMP SE	BUNA SEAL KIT	VITON SEAL KIT	BUNA SHAFT SEAL	VITON SHAFT SEAL	SECONDARY SHAFT SEAL	BEARING	FRONT COVER	MIDDLE COVER	BACK COVER
2520VQ	920040N	920042N	394976N	429286N	429283N	001705N	942353N	251263N	250824N
3520VQ	920048N	920050N	394973N	429284N	429281N	038441N	942355N	250818N	250824N
3525VQ	920056N	920058N	394973N	429284N	429281N	038441N	942355N	230189N	231532N
4520VQ	920060N	920062N	394974N	429285N	429282N	131812N	942356N	252283N	250824N
4525VQ	920068N	920070N	394974N	429285N	429282N	131812N	942356N	370071N	231532N
4535VQ	920072N	920074N	394974N	429285N	429282N	131812N	942356N	379585N	270679N

## BOLT TORQUES

	2520VQ	3520VQ	3525VQ	4520VQ	4525VQ	4535VQ
FRONT HOUSING FT. LB.	75	150	150	275	275	275
REAR COVER FT. LB.	50	50	75	50	75	75
FRONT C. KIT IN. LB.	45	100	100	105	105	105
BACK C. KIT IN. LB.	30	30	45	30	45	100

## Cartridge Kit Rotation

To change Cartridge Kit rotation, reverse the location of the inlet and the outlet support plates. Hand tighten the cartridge screws and use pump cover to align all the parts. Remove the cover and tighten the cartridge screws to the designated value. Sharp edge of vanes must lead in direction of rotation.

## Filtration

For satisfactory service life, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or better.