YEOSHE

子母葉片定量泵 IVP/IVPQ/IVPV 系列

單聯定量葉片泵 **IVP** 系列

雙聯定量葉片泵 **IVP** 系列

單聯定量葉片泵 **IVPQ** 系列

雙聯定量葉片泵 **IVPQ** 系列

單聯定量葉片泵 **IVPV** 系列

雙聯定量葉片泵 **IVPV** 系列

Intravane fixed displacement vane pumps
IVP/IVPQ/IVPV series

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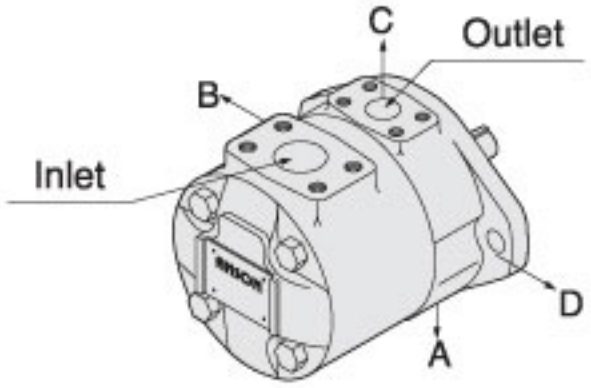
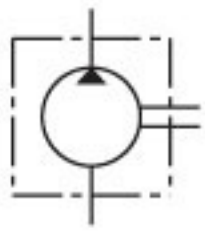
IVP

IVPQ

IVPV

Outlet positions





IVP(Q/V) Model Code - Single Pumps

(F3-)	IVP(Q/V)2	-17	H	A	M	-F	-R	-86			C	-10
								▲ Shaft model				
Prefix, fluid compatibility	Frame size	Geometric displace-ment •Code	Press-ure ★type	Port conn-ections	Port con-nections modifier	Moun-ting form	Shaft rotation	Str. key	HD str. key	Splined key	Outlet positions	Design
Omit- Using petroleum base oil & anti-wear hydraulic oil.	**IVP(Q/V)1**	**1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 14**	**Omit-** Stand-ard press-ure	**A-** SAE 4 bolt flange	**M-** Metric fixing threads	**F-** Flange mount-ing	**R-** Right hand for clockwise	**1**	**N/A**	**151**	Viewed from cover end of pump **A-** opposite inlet port **B-** 90°CCW from inlet **C-** inline with inlet **D-** 90°CW from inlet	**10**
F11- Using water glycol fluid.	**IVP(Q/V)2**	**7, 8, 10, 12, 14, 15, 17, 19, 21, 25**						**1**	**86**	**11**		
F3- Using water-in-oil emulsions or phosphate ester fluid.	**IVP(Q/V)3**	**17, 21, 25, 30, 32, 35, 38, 42**	**H-** High press-ure		**Omit-** Inch fixing threads	**L-** Foot mount-ing	**L-** Left hand for counter clockwise	**1**	**86**	**11**		
	IVP(Q/V)4	**30, 35, 38, 42, 50, 60, 67, 75**						**1**	**86**	**11**		

★ IVPQ series no **H** high pressure type.

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Intravane fixed displacement vane pumps
IVP/IVPQ/IVPV series

IVP(Q/V) Single Pumps Max. Continuous Pressures

Frame size	Code ●	Geom-etric displ. (cm^3/r)	IVP(Q/V) ◆ Using petroleum base oil & anti-wear hydraulic oil.			F11-IVP(Q/V) Using water glycol fluid		F3-IVP(Q/V) Using water-in-oil emulsions or phos-phate ester fluid.		Min. speed (r/min)
			Stsndard type Max. Pressure (bar)	★H-high pressure type Max. Pressure (bar)	Max. Speed (r/min)	Max. Pressure (bar)	Max. Speed (r/min)	Max. Pressure (bar)	Max. Speed (r/min)	
IVP(Q/V)1	2	7.5	138	138	1800	138	1200	138	1200	600
	3	10.2								
	4	12.8	207	207		172				
	5	16.7								
	6	19.2								
	7	22.9								
	8	26.2								
	10	31.0								
	11	35.0								
	12	37.9	157	157		157				
	14	44.2	138	138		138				
IVP(Q/V)2	10	32.5	172	207	1800	172	1200	138	1200	600
	12	38.3								
	14	43.3								
	15	46.7								
	17	52.5								
	19	59.2								
	21	65.0								
	25	78.6	138	157		157				
IVP(Q/V)3	17	53.3	172	207	1800	172	1200	138	1200	600
	21	66.7								
	25	79.2								
	30	95.0								
	32	100.0								
	35	109.0								
	38	118.0								
	42	134.0	138	157		157				
IVP(Q/V)4	30	96.0	172	207	1800	172	1200	138	1200	600
	35	109.0								
	38	128.0								
	42	134.0								
	50	156.0								
	60	189.0								
	67	210.0	157	172						
	75	236.0	138	157		157				

● Rated capacity in US gpm at 1200 r/min and 6.9 bar(1000psi).

◆ A transient (peak) pressure 10% over the max. continuous pressure rating for 0.5 seconds or less duration is allowed.

★ IVPQ series no **H** high pressure type.

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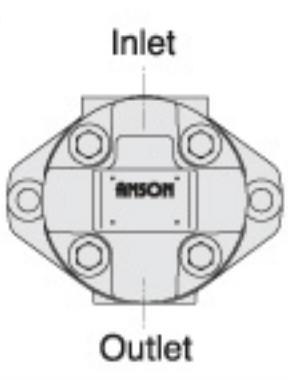
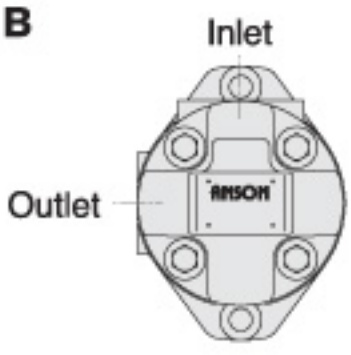
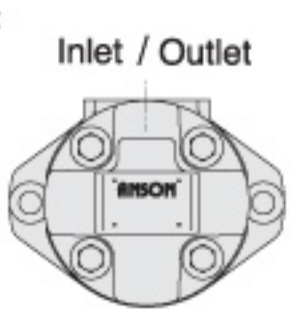
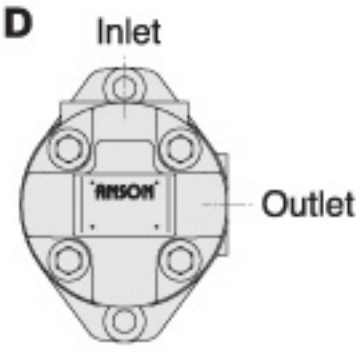
Port Orientation : Viewed from cover end of pump

Opposite Inlet PORT	90°CCW From Inlet	Inline With Inlet	90°CCW From Inlet
A 	**B** 	**C** 	**D** 

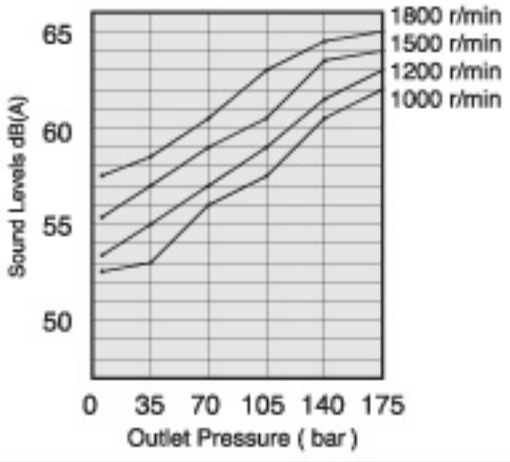
IVP(Q/V) Single Pumps Weight (Net weight)

Frame size	IVP		Frame size	IVPQ		Frame size	IVPV	
	Flange mounting	Foot mounting		Flange mounting	Foot mounting		Flange mounting	Foot mounting
IVP1	18.0 kg	23.4 kg	IVPQ1	24.0 kg	29.4 kg	IVPV1	20.0 kg	25.4 kg
IVP2	26.7 kg	35.4 kg	IVPQ2	32.9 kg	41.6 kg	IVPV2	17.0 kg	22.4 kg
IVP3	36.9 kg	45.6 kg	IVPQ3	49.6 kg	58.3 kg	IVPV3	27.6 kg	36.3 kg
IVP4	68.9 kg	94.8 kg	IVPQ4	79.4 kg	105.3 kg	IVPV4	38.7 kg	47.4 kg

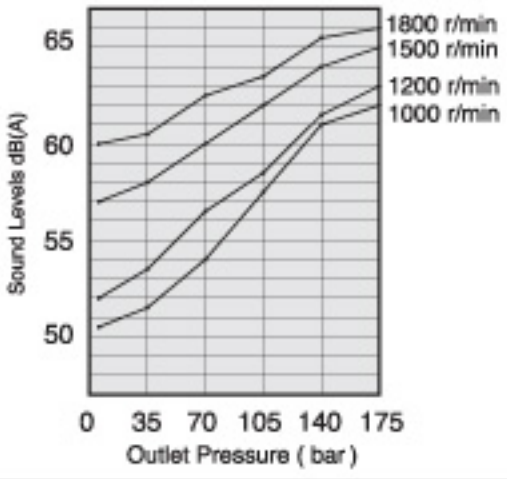
◌ The charts are for reference only. ◌ Flange mounting (Net weight) =Pump+Flange kits ◌ Foot mounting (Net weight) =Pump+Flange kits+Foot

IVP Single Pumps Sound Data

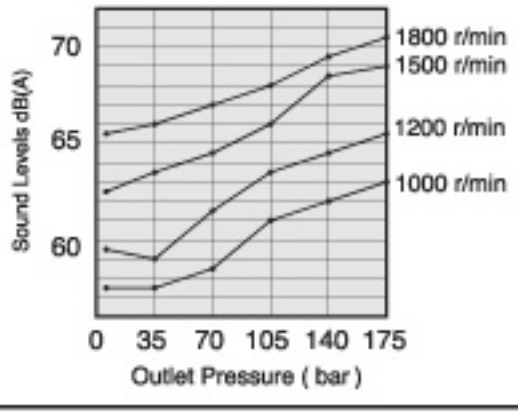
IVP1-11



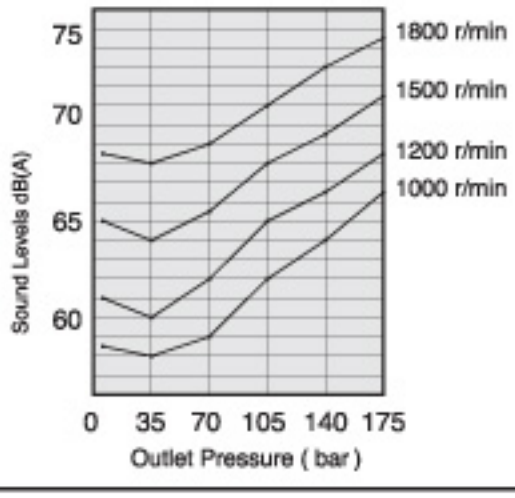
IVP2-21



IVP3-38



IVP4-60



Conditions : ISO VG32, （50°C）,0 bar inlet, distance : 1m

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Intravane fixed displacement vane pumps
IVP/IVPQ/IVPV series

IVP(Q/V) Single Pumps - Performance Characteristics

Frame size	Speed (r/min)	Output flow (L/min)				Input power (kw)			
		6.9bar	69bar	138bar	172bar	6.9bar	69bar	138bar	172bar
IVP(Q/V)1-2	1000	7.5	6.0	4.5		0.2	1.2	2.1	
	1200	9.5	8.5	6.5		0.3	1.5	2.5	
	1500	11.2	9.3	7.5		0.3	1.8	3.2	
	1800	13.5	11.2	9.0		0.4	2.2	3.8	
IVP(Q/V)1-3	1000	10.2	8.8	7.4		0.3	1.5	3.1	
	1200	12.5	11.0	9.5		0.4	1.8	3.7	
	1500	15.3	13.7	12.1		0.5	2.3	4.7	
	1800	18.4	16.9	15.3		0.5	2.7	5.6	
IVP(Q/V)1-4	1000	12.8	12.3	10.8	10.0	0.4	1.8	3.7	4.6
	1200	16.0	15.0	13.5	13.0	0.5	2.2	4.4	5.5
	1500	19.2	17.7	16.2	15.7	0.6	2.7	5.6	6.9
	1800	23.1	21.3	19.5	19.0	0.7	3.2	6.7	8.3
IVP(Q/V)1-5	1000	16.7	15.7	14.7	14.2	0.4	2.8	4.8	6.0
	1200	20.0	19.0	18.0	17.5	0.5	3.2	5.8	7.2
	1500	25.0	24.0	23.0	22.5	0.6	3.9	7.3	9.0
	1800	30.0	29.0	28.0	27.5	0.6	4.2	8.6	10.7
IVP(Q/V)1-6	1000	19.2	18.2	17.0	16.2	0.4	3.0	5.5	6.6
	1200	23.0	22.0	20.5	20.0	0.5	3.5	6.5	7.9
	1500	28.5	27.5	26.0	25.0	0.6	4.3	8.1	9.8
	1800	34.5	33.5	32.0	31.0	0.7	5.2	9.7	11.8
IVP(Q/V)1-7	1000	22.9	21.4	19.9	18.9	0.5	3.4	6.2	7.6
	1200	27.5	26.0	24.5	23.5	0.6	4.0	7.4	9.1
	1500	34.4	32.9	31.4	30.4	0.7	5.0	9.2	11.3
	1800	41.3	39.8	38.3	37.3	0.8	5.9	11.0	13.6
IVP(Q/V)1-8	1000	26.2	24.2	22.7	21.2	0.5	3.9	6.7	8.3
	1200	31.5	29.5	28.0	26.5	0.6	4.5	8.0	10.0
	1500	39.4	37.4	35.9	34.4	0.8	5.5	10.0	12.5
	1800	47.2	45.2	43.7	42.2	0.8	6.6	11.8	14.8
IVP(Q/V)1-10	1000	31	29.2	26.5	24.8	0.6	4.6	8.4	10.4
	1200	37.2	34.7	32.4	30.9	0.7	5.4	10.0	12.5
	1500	46.5	43.1	41.3	39.4	0.9	6.5	12.5	15.6
	1800	55.8	53.2	50.6	48.5	0.9	7.8	14.7	18.5
IVP(Q/V)1-11	1000	35.0	33.0	30.5	29.5	0.7	4.9	9.2	11.4
	1200	42.0	40.0	37.5	36.5	0.8	5.7	11.0	13.7
	1500	52.5	50.5	48.0	47.0	1.0	6.9	13.8	17.1
	1800	63.2	61.0	58.5	57.5	1.0	8.3	16.2	20.3
IVP(Q/V)1-12	1000	37.9	36.4	34.4		0.7	5.6	10.4	
	1200	45.5	44.0	42.0		0.9	6.5	12.5	
	1500	56.9	55.4	53.4		1.1	7.9	15.6	
	1800	68.2	66.7	64.7		1.1	9.4	18.4	
IVP(Q/V)1-14	1000	44.2	42.7	40.7		1.0	6.6	12.2	
	1200	53.0	51.5	49.5		1.1	7.8	14.6	
	1500	66.0	64.0	62.0		1.3	9.6	18.2	
	1800	79.5	77.5	75.5		1.4	11.5	21.7	
IVP(Q/V)2-10	1000	32.5	29.5	26.0	24.5	0.9	4.9	9.3	11.3
	1200	39.0	36.0	32.5	31.0	1.0	5.8	11.1	13.5
	1500	48.8	45.8	42.3	40.8	1.2	7.2	13.8	16.8
	1800	58.5	55.5	52.0	50.5	1.3	8.5	16.5	20.1
IVP(Q/V)2-12	1000	38.3	35.9	33.3	31.8	1.0	5.7	10.9	13.4
	1200	46.0	43.6	41.0	39.5	1.1	6.5	13.0	16.0
	1500	57.5	55.1	52.5	51.0	1.3	8.3	16.1	19.9
	1800	69.0	66.6	64.0	62.5	1.4	9.8	19.3	23.8
IVP(Q/V)2-14	1000	43.3	40.2	36.8	35.8	1.2	6.4	12.2	15.1
	1200	52.0	48.5	45.5	44.5	1.3	7.5	14.5	18.0
	1500	65.0	61.9	58.5	57.5	1.5	9.4	18.0	22.4
	1800	78.0	74.9	71.5	70.5	1.7	11.1	21.5	26.7
IVP(Q/V)2-15	1000	46.7	43.7	40.7	39.2	1.2	6.8	13.0	15.9
	1200	56.0	53.0	50.0	48.5	1.3	8.0	15.5	19.0
	1500	70.0	67.0	64.0	62.5	1.5	9.9	19.3	23.6
	1800	84.0	81.0	78.0	76.5	1.7	11.8	23.0	28.3
IVP(Q/V)2-17	1000	52.5	49.7	46.5	44.5	1.4	7.4	14.3	17.6
	1200	63.0	60.6	57.0	55.0	1.5	9.0	17.0	21.0
	1500	78.8	76.0	72.8	70.8	1.7	10.8	21.1	26.1
	1800	94.5	91.7	88.5	86.5	1.9	12.9	25.1	31.2
IVP(Q/V)2-19	1000	59.2	56.2	53.2	50.2	1.5	8.5	16.0	20.1
	1200	71.0	68.0	65.0	62.0	1.7	10.0	19.0	24.0
	1500	88.7	85.7	82.7	79.7	1.9	12.3	24.1	29.8
	1800	106.5	103.7	100.7	97.7	2.2	14.7	28.2	35.7
IVP(Q/V)2-21	1000	65.0	62.2	59.0	57.0	1.6	9.2	17.6	21.8
	1200	78.0	75.0	72.0	70.0	1.8	11.0	21.0	26.0
	1500	97.5	94.7	91.5	89.5	2.1	13.4	26.1	32.3
	1800	117	114	111	109	2.3	16.0	31.1	38.6

Intravane fixed displacement vane pumps
IVP/IVPQ/IVPV series

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IVP(Q/V) Single Pumps - Performance Characteristics

Frame size	Speed (r/min)	Output flow (L/min)				Input power (kw)			
		6.9bar	69bar	138bar	172bar	6.9bar	69bar	138bar	172bar
IVP(Q/V)2-25	1000	78.8	74.8	71.5		2.0	11.2	21.4	
	1200	94.6	90.3	87.8		2.2	13.4	25.6	
	1500	118.2	113.0	110.0		2.6	16.3	31.8	
	1800	141.0	137.0	134.0		2.8	19.5	32.4	
IVP(Q/V)3-17	1000	53.3	47.3	41.3	38.3	1.4	6.8	12.6	15.5
	1200	64.0	58.0	52.0	49.0	1.5	8.0	15.0	18.5
	1500	80.0	74.0	68.0	65.0	1.7	9.8	18.6	22.9
	1800	96.0	90.0	84.0	81.0	1.9	11.6	22.1	27.4
IVP(Q/V)3-21	1000	66.7	60.7	54.7	51.7	1.6	8.9	16.8	20.6
	1200	80.0	74.0	68.0	65.0	1.8	10.5	20.0	24.5
	1500	100	94.0	88.0	85.0	2.0	12.9	24.8	30.4
	1800	120	114	108.0	105.0	2.3	15.4	30.5	36.4
IVP(Q/V)3-25	1000	79.2	73.5	67.2	64.2	1.8	10.7	20.5	25.1
	1200	95.0	89.0	83.0	80.0	2.0	12.5	24.5	30.0
	1500	119	113	107.0	104.0	2.3	15.7	30.4	37.3
	1800	142	136	130.0	127.0	2.6	18.7	36.4	44.6
IVP(Q/V)3-30	1000	95.0	88.4	81.0	78.0	1.8	12.6	24.7	30.5
	1200	114	107	100	97.0	2.0	15.0	29.5	36.5
	1500	142	136	128	125	2.4	18.6	36.7	45.5
	1800	171	164	157	154	2.7	22.2	44.0	54.5
IVP(Q/V)3-32	1000	100	92.0	85.0	82.0	2.1	13.5	26.0	32.2
	1200	120	112	105	102	2.3	16.0	31.0	38.5
	1500	150	142	135	132	2.7	19.8	38.6	47.9
	1800	180	172	165	162	3.1	23.6	46.1	57.4
IVP(Q/V)3-35	1000	109	103	95.2	92.2	2.2	14.2	27.6	34.3
	1200	131	124	117	114	2.5	17.0	33.0	41.0
	1500	164	157	150	147	2.9	20.9	41.0	51.0
	1800	196	189	182	179	3.3	24.9	50.4	61.1
IVP(Q/V)3-38	1000	118	111	102	99.3	2.7	15.5	29.8	36.9
	1200	142	134	126	123	3.0	18.5	35.5	44.0
	1500	177	170	161	158	3.4	22.7	44.0	54.7
	1800	213	205	197	194	3.9	27.0	52.6	65.4
IVP(Q/V)3-42	1000	134	125	118		2.7	17.7	35.2	
	1200	160	152	144		3.0	21.0	42.0	
	1500	201	193	185		3.5	26.0	52.3	
	1800	241	233	225		4.0	31.0	62.5	
IVP(Q/V)4-30	1000	96.0	87.0	77.0	72.0	1.6	13.4	25.1	30.9
	1200	115	106	96.0	91.0	2.0	15.0	30.0	37.0
	1500	144	135	125	120	2.4	18.6	37.4	46.1
	1800	172.5	163.5	153.5	148.5	2.8	22.3	44.7	55.2
IVP(Q/V)4-35	1000	109	100	90.0	85.0	1.7	14.2	28.4	35.1
	1200	131	122	112	107	2.0	17.0	34.0	42.0
	1500	164	157	145	140	2.4	21.2	42.4	52.4
	1800	196.5	187.5	177.5	172.5	2.9	25.4	50.9	62.9
IVP(Q/V)4-38	1000	128	119	109	104	2.7	16.8	33.5	41.0
	1200	154	145	135	130	3.0	20.0	40.0	49.0
	1500	192.5	183.5	173.5	168.5	3.5	24.8	49.8	61.0
	1800	231	222	212	207	4.0	29.5	59.5	73.0
IVP(Q/V)4-42	1000	134	125	115	110	2.7	17.7	35.2	43.5
	1200	161	152	142	137	3.0	21.0	42.0	52.0
	1500	201	192	182	177	3.5	26.0	52.3	64.7
	1800	241	232	222	217	4.0	31.0	62.5	77.5
IVP(Q/V)4-50	1000	156	147	137	132	3.1	20.2	39.4	49.3
	1200	187	178	168	163	3.5	24.0	47.0	59.0
	1500	234	225	215	210	4.0	29.7	58.5	73.4
	1800	280	271	261	256	4.7	35.4	69.9	87.9
IVP(Q/V)4-60	1000	189	178	166	160	4.0	24.4	46.9	58.6
	1200	227	216	204	198	4.5	29.0	56.0	70.0
	1500	284	273	261	255	5.2	35.8	69.6	87.1
	1800	340	329	317	311	5.9	42.7	83.2	104
IVP(Q/V)4-67	1000	210	199	187		4.5	27.1	52.1	
	1200	252	241	229		5.0	32.2	62.2	
	1500	315	304	292		5.8	39.8	77.4	
	1800	378	366	354		6.6	47.5	92.5	
IVP(Q/V)4-75	1000	236	225	213		5.0	30.5	58.7	
	1200	289	280	269		5.6	36.3	70	
	1500	354	343	331		6.5	44.8	87	
	1800	424	414	401		7.4	53.4	104.0	

Typical flows at 50˚C, 10W oil at 26sSt, 0 bar inlet at specified speeds.

Intravane fixed displacement vane pumps
IVP/IVPQ/IVPV series

YEOSHE

IVP(Q/V) Single pumps - Cartridge Kit Model Code

(F3-)	CK-◆IVP(Q/V)2	-17	H	-R	-10
Prefix, fluid compatibility	Cartridge Kit Model	Geometric displacement Cartridge Kit •Code	Pressure ★type	Rotation	Design
Omit- Using petroleum base oil & anti-wear hydraulic oil.	**CK-IVP(Q/V)1**	2、3、4、5、6、7、8、10、11、12、14	**Omit-** Standard pressure	Viewed from shaft end of pump	**10**
F11- Using water glycol fluid.	**CK-IVP(Q/V)2**	10、12、14、15、17、19、21、25	**H-** High pressure	**R-**Right hand for clockwise	
F3- Using water-in-oil emulsions or phosphate ester fluid.	**CK-IVP(Q/V)3**	17、21、25、30、32、35、38、42		**L-**Left hand for count-erclockwise	
	CK-IVP(Q/V)4	30、35、38、42、50、60、67、75			

● Rated capacity in US gpm at 1200 r/min and 6.9 bar.
◆ Is the model for frame size
★ IVPQ series no **H** high pressure type.

IVP(Q/V) Single Pumps-Cartridge Kit Weight

Cartridge Kit Model	Weight
CK-IVP(Q/V)1	2.5 kg
CK-IVP(Q/V)2	3.8 kg
CK-IVP(Q/V)3	6.5 kg
CK-IVP(Q/V)4	10.2 kg

IVP(Q/V) Single Pumps - Shaft Seal & Bearing

Frame size	Shaft Seal	Bearing
IVP(V)1	TBY 29.36x42.82x7.9	6204
IVP(V)2	TBY 29.36x42.82x7.9	6205
IVP(V)3	TBY 36.5x50.8x7.9	6306
IVP(V)4	TBY 41.28x60.32x9.5	6307
IVPQ1	TBY 29.36x42.82x7.9	6204
IVPQ2	TBY 24.59x44.5x7.9	6205zz
IVPQ3	TBY 29.36x42.82x7.9	6306zz
IVPQ4	TBY 34.93x57.15x7.9	6307zz