



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

IVP(Q/V) Model Code - Double Pumps

F3-	IVP(Q/V)21	-17	H	-12	H	A	M
Prefix, fluid compatibility	Frame size	Geometric displ. shaft end pump •Code	Pressure type ★	Geometric displ. cover end pump •Code	Pressure type ★	Port connections	Port connections modifier
Omit- Using petroleum base oil & anti-wear hydraulic oil. F11- Using water glycol fluid. F3- Using water-in-oil emulsions or phosphate ester fluid.	IVP(Q/V)21	10 、 12 、 14 、 15 、 17 、 19 、 21 、 25	Omit- Standard pressure H- High pressure	2 、 3 、 4 、 5 、 6 、 7 、 8 、 10 、 11 、 12 、 14	Omit- Standard pressure H- High pressure	A- SAE 4 bolt flange	M- Metric (4-bolt flange) Omit- Inch (4-bolt flange)
	IVP(Q/V)31	17 、 21 、 25 、 30 、 32 、 35 、 38 、 42		2 、 3 、 4 、 5 、 6 、 7 、 8 、 10 、 11 、 12 、 14			
	IVP(Q/V)32	17 、 21 、 25 、 30 、 32 、 35 、 38 、 42		10 、 12 、 14 、 15 、 17 、 19 、 21 、 25			
	IVP(Q/V)41	30 、 35 、 38 、 42 、 50 、 60 、 67 、 75 、		2 、 3 、 4 、 5 、 6 、 7 、 8 、 10 、 11 、 12 、 14			
	IVP(Q/V)42	30 、 35 、 38 、 42 、 50 、 60 、 67 、 75 、		10 、 12 、 14 、 15 、 17 、 19 、 21 、 25			
	IVP(Q/V)43	30 、 35 、 38 、 42 、 50 、 60 、 67 、 75 、		17 、 21 、 25 、 30 、 32 、 35 、 38 、 42			

▲ IVPQ series no splined shaft model.

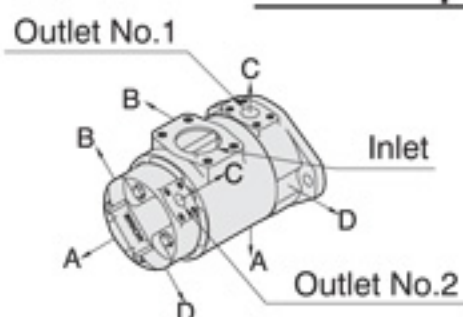
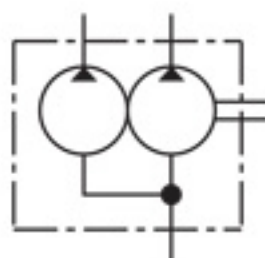
★ IVPQ series no **H** high pressure type.

Intravane fixed displacement vane pumps IVP/IVPQ/IVPV series

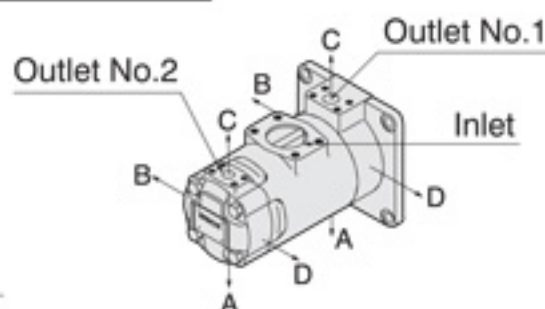


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Outlet positions



All series except IVP(Q)43



IVP(Q)43 Series

	-F	-R	-86			AA	-10
	Mounting form	Shaft rotation	▲Shaft model			Port orientation	Design
			Str. key	HD str. key	Splined key		
	F- Flange mounting L- Foot mounting	Viewed from shaft end of pump	1	86	11	Viewed from cover end of pump	10
		R- Right hand for clockwise L- Left hand for counter-clockwise	1	86	11	With no.1 outlet opposite inlet AA- No.2 outlet 135°CCW from inlet (NO.2 outlet opposite inlet) AB- NO.2 outlet 45°CCW from inlet (NO.2 outlet 90°CCW from inlet) AC- No.2 outlet 45°CW from inlet (No.2 outlet inline with inlet) AD- No.2 outlet 135°CW from inlet (No.2 outlet 90°CW from inlet)	
						With no.1 outlet 90°CCW from inlet BA- No.2 outlet 135°CCW from inlet (No.2 outlet opposite inlet) BB- NO.2 outlet 45°CCW from inlet (NO.2 outlet 90°CCW from inlet) BC- No.2 outlet 45°CW from inlet (No.2 outlet inline with inlet) BD- No.2 outlet 135°CW from inlet (No.2 outlet 90°CW from inlet)	
						With no.1 outlet inline with inlet CA- No.2 outlet 135°CCW from inlet (No.2 outlet opposite inlet) CB- NO.2 outlet 45°CCW from inlet (NO.2 outlet 90°CCW from inlet) CC- No.2 outlet 45°CW from inlet (No.2 outlet inline with inlet) CD- No.2 outlet 135°CW from inlet (No.2 outlet 90°CW from inlet)	
						With no.1 outlet 90°CW from inlet DA- No.2 outlet 135°CCW from inlet (No.2 outlet opposite inlet) DB- NO.2 outlet 45°CCW from inlet (NO.2 outlet 90°CCW from inlet) DC- No.2 outlet 45°CW from inlet (No.2 outlet inline with inlet) DD- No.2 outlet 135°CW from inlet (No.2 outlet 90°CW from inlet)	
			1	86	11		

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



Intravane fixed displacement vane pumps IVP/IVPQ/IVPV series

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IVP(Q/V) Double Pumps Max. Continuous Pressures																
Frame size	Shaft end pump (No.1 outlet)				Cover end pump (No.2 outlet)				Max. speed (r/min)	Min. speed (r/min)						
	Code ●	Geomet-ric displ. (cm³/r)	Standard type Max. Pressure (bar)	★H-high pressure type Max. Pressure (bar)	Code ●	Geomet-ric displ. (cm³/r)	Standard type Max. Pressure (bar)	★H-high pressure type Max. Pressure (bar)								
IVP(Q/V)21	10	32.5	◆172 F11=172 F3=138	◆207 F11=172 F3=138	2	7.5	◆138 F11=138 F3=138	◆138 F11=138 F3=138	1800 F11=1200 F3=1200	600						
	12	38.3			3	10.2										
	14	43.3														
	15	46.7			4	12.8										
	17	52.5														
	19	59.2			5	16.7										
	21	65.0														
IVP(Q/V)31	25	78.6	138	157	6	19.2	◆207 F11=172 F3=138	◆207 F11=172 F3=138								
	17	53.3	◆172 F11=172 F3=138	◆207 F11=172 F3=138												
	21	66.7														
	25	79.2														
	30	95.0														
	32	100.0														
	35	109.0														
38	118.0	10	31.0													
42	134.0				138	157										
IVP(Q/V)41	30	96.0	◆172 F11=172 F3=138	◆207 F11=172 F3=138	11	35.0					◆157 F11=157 F3=138	◆157 F11=157 F3=138				
	35	109.0			12	37.9							◆138 F11=138 F3=138	◆138 F11=138 F3=138		
	38	128.0														
	42	134.0			14	44.2										
	50	156.0														
	60	189.0														
	67	210.0			157	172										
75	236.0	138	157													
IVP(Q/V)32	17	53.3	◆172 F11=172 F3=138	◆207 F11=172 F3=138	10	32.5	◆172 F11=172 F3=138	◆207 F11=172 F3=138	1800 F11=1200 F3=1200	600						
	21	66.7			12	38.3										
	25	79.2														
	30	95.0			14	43.3										
	32	100.0														
	35	109.0			15	46.7										
	38	118.0									138	157				
42	134.0	138	157													
IVP(Q/V)42	30	96.0	◆172 F11=172 F3=138	◆207 F11=172 F3=138	17	52.5					◆172 F11=172 F3=138	◆207 F11=172 F3=138				
	35	109.0			19	59.2										
	38	128.0														
	42	134.0			21	65.0										
	50	156.0														
	60	189.0			25	78.6		138					157			
	67	210.0												157	172	
75	236.0	138	157													
IVP(Q/V)43	30	96.0	◆172 F11=172 F3=138	◆207 F11=172 F3=138	17	53.3	◆172 F11=172 F3=138	◆207 F11=172 F3=138	1800 F11=1200 F3=1200	600						
	35	109.0			21	66.7										
	38	128.0														
	42	134.0			25	79.2										
	50	156.0														
	60	189.0			30	95.0										
	67	210.0									32	100.0				
	75	236.0			157	172										
		138	157	42	134.0	138					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.

Intravane fixed displacement vane pumps IVP/IVPQ/IVPV series



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Port Orientation : Viewed from cover end of pump (All series except IVPQ43)			
AA	AB	AC	AD
With No.1 Outlet Opposite Inlet No.2 Outlet 135°CCW From Inlet	With No.1 Outlet Opposite Inlet No.2 Outlet 45°CCW From Inlet	With No.1 Outlet Opposite Inlet No.2 Outlet 45°CW From Inlet	With No.1 Outlet Opposite Inlet No.2 Outlet 135°CW From Inlet
BA	BB	BC	BD
With No.1 Outlet 90°CCW From Inlet No.2 Outlet 135°CCW From Inlet	With No.1 Outlet 90°CCW From Inlet No.2 Outlet 45°CCW From Inlet	With No.1 Outlet 90°CCW From Inlet No.2 Outlet 45°CW From Inlet	With No.1 Outlet 90°CCW From Inlet No.2 Outlet 135°CW From Inlet
CA	CB	CC	CD
With No.1 Outlet Inline With Inlet No.2 Outlet 135°CCW From Inlet	With No.1 Outlet Inline With Inlet No.2 Outlet 45°CCW From Inlet	With No.1 Outlet Inline With Inlet No.2 Outlet 45°CW From Inlet	With No.1 Outlet Inline With Inlet No.2 Outlet 135°CW From Inlet
DA	DB	DC	DD
With No.1 Outlet 90°CW From Inlet No.2 Outlet 135°CCW From Inlet	With No.1 Outlet 90°CW From Inlet No.2 Outlet 45°CCW From Inlet	With No.1 Outlet 90°CW From Inlet No.2 Outlet 45°CW From Inlet	With No.1 Outlet 90°CW From Inlet No.2 Outlet 135°CW From Inlet



Intravane fixed displacement vane pumps IVP/IVPQ/IVPV series

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Port Orientation : Viewed from cover end of pump (IVPQ43 series)

AA	AB	AC	AD
With No.1 Outlet Opposite Inlet No.2 Outlet Opposite Inlet	With No.1 Outlet Opposite Inlet No.2 Outlet 90°CCW From Inlet	With No.1 Outlet Opposite Inlet No.2 Outlet Inline With Inlet	With No.1 Outlet Opposite Inlet No.2 Outlet 90°CW From Inlet
Inlet No.1/No.2 Outlet	Inlet No.1 Outlet	Inlet / No.2 Outlet No.1 Outlet	Inlet No.1 Outlet
BA	BB	BC	BD
With No.1 Outlet 90°CCW From Inlet No.2 Outlet Opposite Inlet	With No.1 Outlet 90°CCW From Inlet No.2 Outlet 90°CCW From Inlet	With No.1 Outlet 90°CCW From Inlet No.2 Outlet Inline With Inlet	With No.1 Outlet 90°CCW From Inlet No.2 Outlet 90°CW From Inlet
Inlet No.2 Outlet	Inlet No.1/No.2 Outlet	Inlet / No.2 Outlet No.1 Outlet	Inlet No.1 Outlet
CA	CB	CC	CD
With No.1 Outlet Inline With Inlet No.2 Outlet Opposite Inlet	With No.1 Outlet Inline With Inlet No.2 Outlet 90°CCW From Inlet	With No.1 Outlet Inline With Inlet No.2 Outlet Inline With Inlet	With No.1 Outlet Inline With Inlet No.2 Outlet 90°CW From Inlet
Inlet/No.1 Outlet No.2 Outlet	Inlet/No.1 Outlet No.2 Outlet	Inlet/No.1/No.2 Outlet	Inlet/No.1 Outlet No.2 Outlet
DA	DB	DC	DD
With No.1 Outlet 90°CW From Inlet No.2 Outlet Opposite Inlet	With No.1 Outlet 90°CW From Inlet No.2 Outlet 90°CCW From Inlet	With No.1 Outlet 90°CW From Inlet No.2 Outlet Inline With Inlet	With No.1 Outlet 90°CW From Inlet No.2 Outlet 90°CW From Inlet
Inlet No.2 Outlet	Inlet No.1 Outlet	Inlet / No.2 Outlet No.1 Outlet	Inlet No.1/No.2 Outlet

Intravane fixed displacement vane pumps IVP/IVPQ/IVPV series



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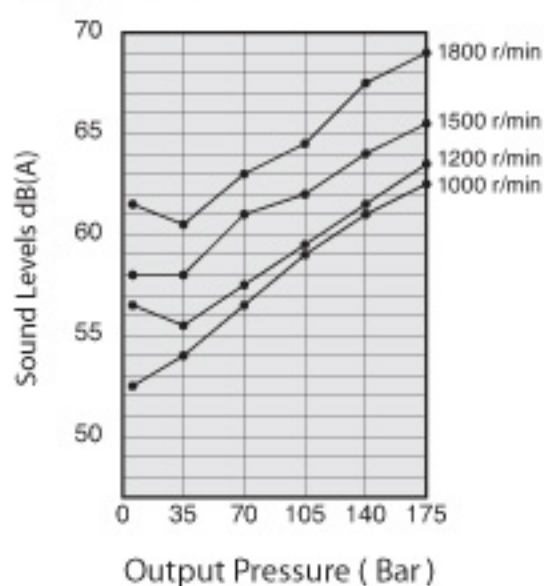
IVP(Q/V) Double Pumps Weight (Net weight)

Frame size	IVP		Frame size	IVPQ		Frame size	IVPV	
	Flange mounting	Foot mounting		Flange mounting	Foot mounting		Flange mounting	Foot mounting
IVP21	36.3 kg	45.0 kg	IVPQ21	46.1 kg	54.8 kg	IVPV21	25.6 kg	31.0 kg
IVP31	52.4 kg	61.1 kg	IVPQ31	62.5 kg	71.2 kg	IVPV31	36.7 kg	45.4 kg
IVP32	53.2 kg	61.9 kg	IVPQ32	67.8 kg	76.5 kg	IVPV32	39.5 kg	48.2 kg
IVP41	76.4 kg	102.3 kg	IVPQ41	94.2 kg	120.1 kg	IVPV41	51.3 kg	60.0 kg
IVP42	81.6 kg	107.5 kg	IVPQ42	101.9 kg	127.8 kg	IVPV42	53.8 kg	62.5 kg
IVP43	92.0 kg	117.9 kg	IVPQ43	109.9 kg	135.8 kg	IVPV43	61.9 kg	70.6 kg

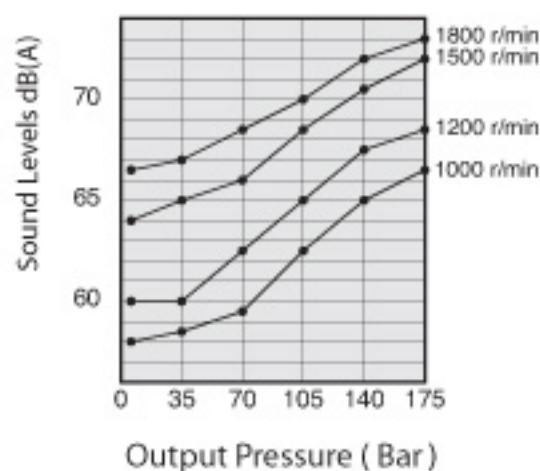
⊙ The charts are for reference only. ⊙ Flange mounting (Net weight) = Pump+Flange kits ⊙ Foot mounting (Net weight) = Pump+Flange kits+Foot

IVP Double Pumps Sound Data

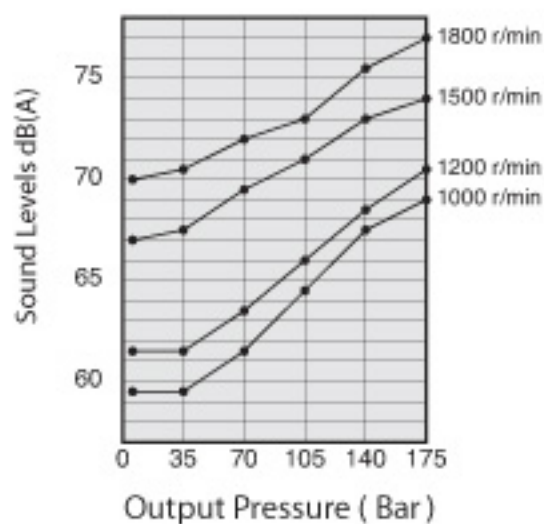
IVP21-17-8



IVP32-35-17



IVP43-50-35



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

Intravane fixed displacement vane pumps IVP/IVPQ/IVPV series



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IVP(Q/V) Double pumps - Cartridge Kit Model Code								
(F3-)	CK-◆IVP(Q/V)21	-(17)	H	-(12)	H	C	-R	-10
Prefix, fluid compatibility	Cartridge Kit Model	Geometric displ. shaft end pump Cartridge Kit ●Code	Pressure ★type	Geometric displ. cover end pump Cartridge Kit ●Code	Pressure ★type	Mounting position	Rotation	Design
Omit- Using petroleum base oil & anti-wear hydraulic oil. F11- Using water glycol fluid. F3- Using water-in-oil emulsions or phosphate ester fluid.	CK-IVP(Q/V)21	10、12、14 15、17、19 21、25	Omit- Standard pressure H- High pressure	2、3、4、5 6、7、8、10 11、12、14	Omit- Standard pressure H- High pressure	Omit- shaft end pump C- cover end pump	Viewed from shaft end of pump R- Right hand for clockwise L- Left hand for counterclockwise	10
	CK-IVP(Q/V)31	17、21、25 30、32、35 38、42		2、3、4、5 6、7、8、10 11、12、14				
	CK-IVP(Q/V)32	17、21、25 30、32、35 38、42		10、12、14 15、17、19 21、25				
	CK-IVP(Q/V)41	30、35、38 42、50、60 67、75		2、3、4、5 6、7、8、10 11、12、14				
	CK-IVP(Q/V)42	30、35、38 42、50、60 67、75		10、12、14 15、17、19 21、25				
	CK-IVP(Q/V)43	30、35、38 42、50、60 67、75		17、21、25 30、32、35 38、42				

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

◆ IVPQ series no splined shaft model.

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

For Example:

Ordering cartridge kits of IVP42-35(H)-25(H)AM-F-R-86AA-10,

1.CK-IVP4-35(H)-R-10, ordering code for cartridge kit of shaft end pump.

2.CK-IVP*2-25(H)C-R-10, ordering code for cartridge kit of cover end pump.

IVP(Q/V) Double Pumps-Cartridge Kit Weight		
Cartridge Kit Model	Cartridge kit weight of shaft end pump	Cartridge kit weight of cover end pump
CK-IVP(Q/V)21	3.8 kg	2.5 kg
CK-IVP(Q/V)31	6.5 kg	2.5 kg
CK-IVP(Q/V)32	6.5 kg	3.8 kg
CK-IVP(Q/V)41	10.2 kg	2.5 kg
CK-IVP(Q/V)42	10.2 kg	3.8 kg
CK-IVP(Q/V)43	10.2 kg	6.5 kg

IVP(Q) Double pumps - Max. input torque	
Frame size	(Max. input torque) Nm (kgf-m)
IVP(Q/V)21	320(32)
IVP(Q/V)31	610(61)
IVP(Q/V)32	610(61)
IVP(Q/V)41	820(82)
IVP(Q/V)42	820(82)
IVP(Q/V)43	820(82)