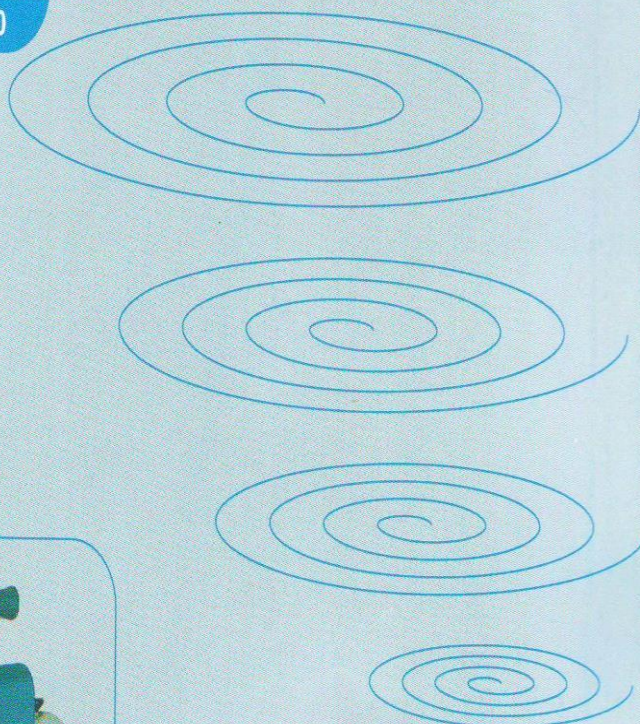


palma®

رهاب صنعت سپاهان
Rahab sanat sepahanco



Single Stage Vacuum Pumps

1.5CFM~3CFM

VE115 VE125



Item No.	VE115		VE125	
Frequency	50Hz	60Hz	50Hz	60Hz
Flow Rate	1.5CFM 42 l/min	1.8CFM 50 l/min	2.5CFM 70 l/min	3CFM 84 l/min
Ultimate Vacuum	5Pa 0.05mbar		5Pa 0.05mbar	
Stage	1		1	
Power	1/4 HP		1/4 HP	
Inlet Port	1/4" Flare		1/4" Flare	
Oil Capacity	310ml		310ml	
Dimensions (mm)	285×124×230		285×124×230	
Weight	6.3kg		7.1kg	

3.5CFM~7CFM

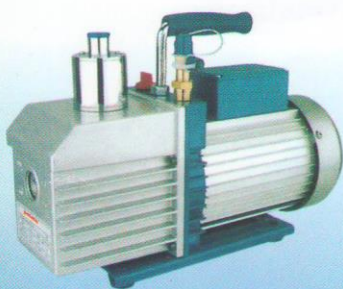
VE135 VE145 VE160



Item No.	VE135		VE145		VE160	
Frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Flow Rate	3.5CFM 100 l/min	4CFM 114 l/min	4.5CFM 128 l/min	5CFM 142 l/min	6CFM 170 l/min	7CFM 198 l/min
Ultimate Vacuum	5Pa 0.05mbar		5Pa 0.05mbar		5Pa 0.05mbar	
Stage	1		1		1	
Power	1/3 HP		1/3 HP		1/2 HP	
Inlet Port	1/4" & 3/8" Flare		1/4" & 3/8" Flare		1/4" & 3/8" Flare	
Oil Capacity	310ml		300ml		440ml	
Dimensions (mm)	315×124×240		315×124×240		335×138×250	
Weight	8.1kg		8.2kg		10.5kg	

8CFM~9CFM

VE180



Item No.	VE180	
Frequency	50Hz	60Hz
Flow Rate	8.0CFM 226 l/min	9CFM 254 l/min
Ultimate Vacuum	5Pa 0.05mbar	
Stage	1	
Power	3/4 HP	
Inlet Port	3/8" Flare	
Oil Capacity	890ml	
Dimensions (mm)	400×145×270	
Weight	15.0kg	

Double Stage Vacuum Pumps

1.5CFM~3CFM

VE215 VE225



Item No.	VE215		VE225	
Frequency	50Hz	60Hz	50Hz	60Hz
Flow Rate	1.5CFM	1.8CFM	2.5CFM	3CFM
	42 l/min	50 l/min	70 l/min	84 l/min
Ultimate Vacuum	3×10 ⁻¹ Pa 25mirons		3×10 ⁻¹ Pa 25mirons	
Stage	2		2	
Power	1/4 HP		1/3 HP	
Inlet Port	1/4" Flare		1/4" Flare	
Oil Capacity	200ml		250ml	
Dimensions (mm)	308×124×230		315×124×240	
Weight	7.5kg		8.6kg	

3.5CFM~5CFM

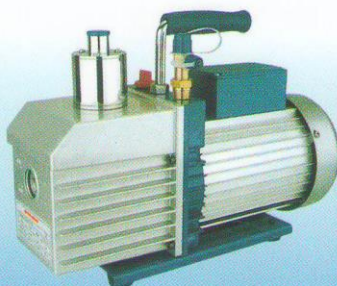
VE235 VE245



Item No.	VE235		VE245	
Frequency	50Hz	60Hz	50Hz	60Hz
Flow Rate	3.5CFM	4CFM	4.5CFM	5CFM
	100 l/min	114 l/min	128 l/min	142 l/min
Ultimate Vacuum	3×10 ⁻¹ Pa 25mirons		3×10 ⁻¹ Pa 25mirons	
Stage	2		2	
Power	1/3 HP		1/3 HP	
Inlet Port	1/4" & 3/8" Flare		1/4" & 3/8" Flare	
Oil Capacity	350ml		330ml	
Dimensions (mm)	335×138×250		335×138×250	
Weight	11.2kg		11.4kg	

6CFM~12CFM

VE260 VE280 VE2100



Item No.	VE260		VE280		VE2100	
Frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Flow Rate	6CFM	7CFM	8CFM	9CFM	10CFM	12CFM
	170 l/min	198 l/min	226 l/min	254 l/min	283 l/min	340 l/min
Ultimate Vacuum	3×10 ⁻¹ Pa 25mirons		3×10 ⁻¹ Pa 25mirons		3×10 ⁻¹ Pa 25mirons	
Stage	2		2		2	
Power	3/4 HP		1 HP		1 HP	
Inlet Port	1/4" & 3/8" Flare		1/4" & 3/8" Flare		1/4" & 3/8" Flare	
Oil Capacity	700ml		590ml		590ml	
Dimensions (mm)	400×145×270		400×145×270		400×145×270	
Weight	16.5kg		16.7kg		16.7kg	

Model Comparison Table

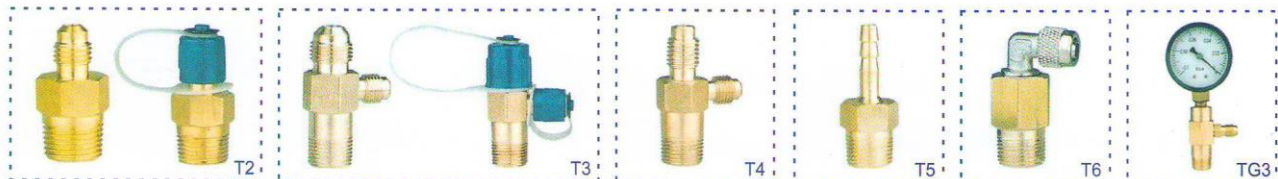
Model	Single-stage Vacuum Pump						Dual-stage Vacuum Pump						
New	VE115	VE125	VE135	VE145	VE160	VE180	VE215	VE225	VE235	VE245	VE260	VE280	VE2100
Old	FY-1C	FY-1.5A	FY-2B		FY-3B		2FY-0.5B	2FY-1B		2FY-2B	2FY-3B		
Standard	CE						CE SP (new model) C US						

Selective Accessories



Item	Description	Item	Description	Item	Description
P1	Solenoid Valve	P3	Blank-off valve	P5	Vacuum Gauge
P2	Solenoid Valve	P4	filter	P6	Solenoid Valve With 1/4" male x 3/8" female

Intake Ports Adapters



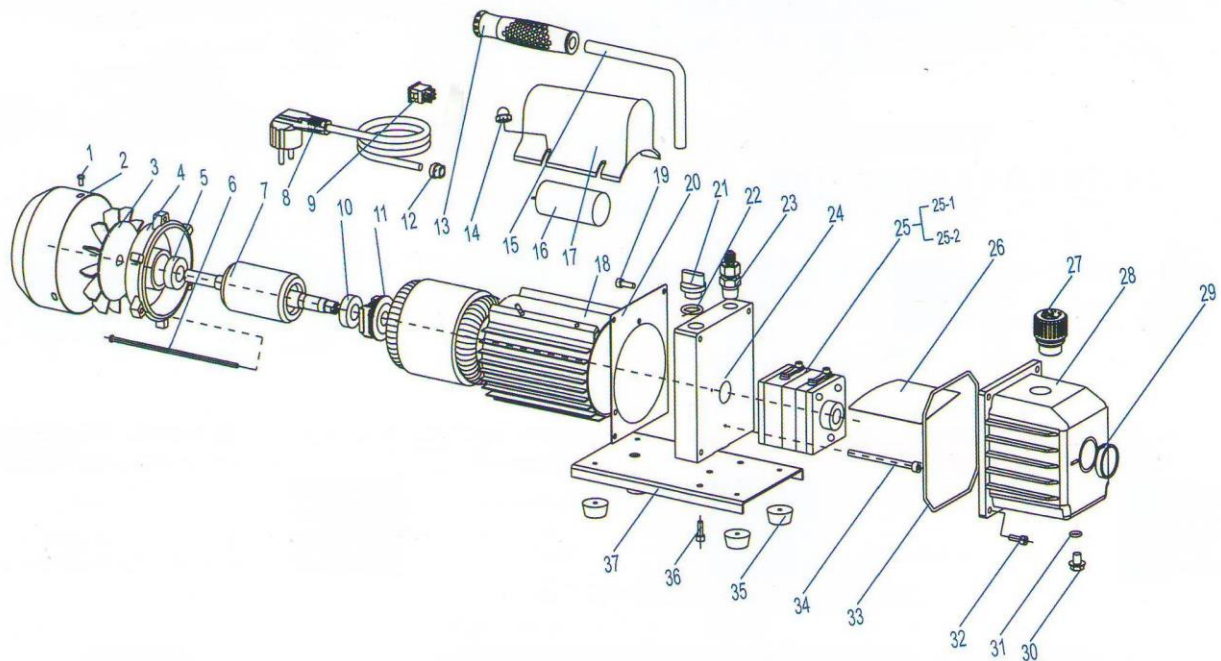
Item	Description	Item	Description
T2	1/4" SAE	T5	1/4" Tube
T3	1/4" SAE 3/8" SAE	T6	1/4" Tube (Locked with M12 x 1 nut)
T4	1/4" SAE 1/2" SAE	TG3	1/4" SAE Vacuum Gauge

Vacuum pump oil 330ml(11.5oz)



Item/model	Vpo-46	Vpo-68
Kine Matic Viscosity (40°C), mm/s	41.4-50.6	61.2-74.8
Viscosity Index	100	130
Flash Point°C	225	250
Pour Point°C	-10	-35
Type	Mineral Oil	synthetic di-ester oil

Exploded Drawing Ve Series



1	Cross screw
2	Fan cover
3	Fan
4	Motor cover
5	Bearing
6	Cross screw
7	Motor rotor
8	Power supply cords
9	Power switch
10	Bearing
11	Centrifugal switch
12	Insulating bushing
13	Handle slipcover
14	Nut
15	Handle
16	Capacitor
17	Junction box
18	Motor hull
19	Screw

20	Trestle Cover Board
21	Oil fill Port
22	Seal
23	Inlet Fitting
24	Trestle
25	Pump 25-1 Rotary-vane Body 25-2 Rotary-vane Spring
26	Cap board
27	Exhaust and Oil inlet fitting
28	Die cast aluminum housing
29	Sight glass
30	Oil cap
31	Oil drain gasket
32	Screw
33	Housing gasket
34	Screw
35	Rubber feet
36	Screw
37	Base



A Lasting Commitment to Quality



We invest heavily in both equipment and people to maintain the consistent quality for which our products are known. We implemented a total quality process designed to ensure the quality of our products. We have achieved ISO9001:2000 certification in year 2001.

European Community Directives



Given its international perspective, We have pledged to conform to the European Community Directives. These directives, contain essential requirements concerning health, safety, environment, and consumer protection for all products targeted for the European Community market.

Currently, all products available for sale in the European Community are in compliance with the Machinery, Low Voltage, and Electromagnetic Compatibility Directives.

