

# EVACUATING AND CHARGING EQUIPMENT



## 1. BLUE VAC “ITE®” VACUUM PUMPS

“ITE®” offers a wide range of CE marked VACUUM PUMPS suitable for use on all **CFC**, **HCFC** and **HFC** systems. These pumps can be used with “**MINERAL**” or “**ESTER**” oil.

### Equipped with:

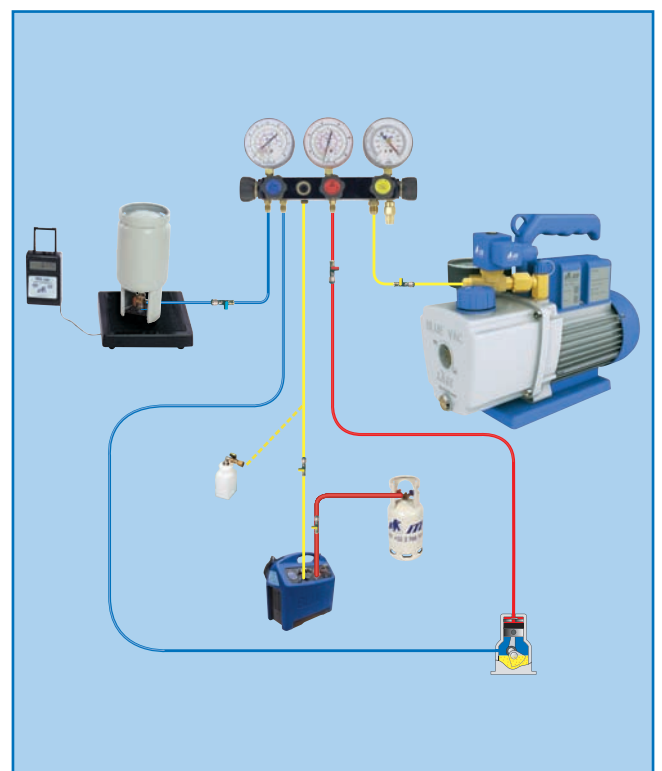
- Electrically operated solenoid valve.
- Vacuum gauge.
- Oil mist filter.
- Non return valve.
- Dual voltage switch.

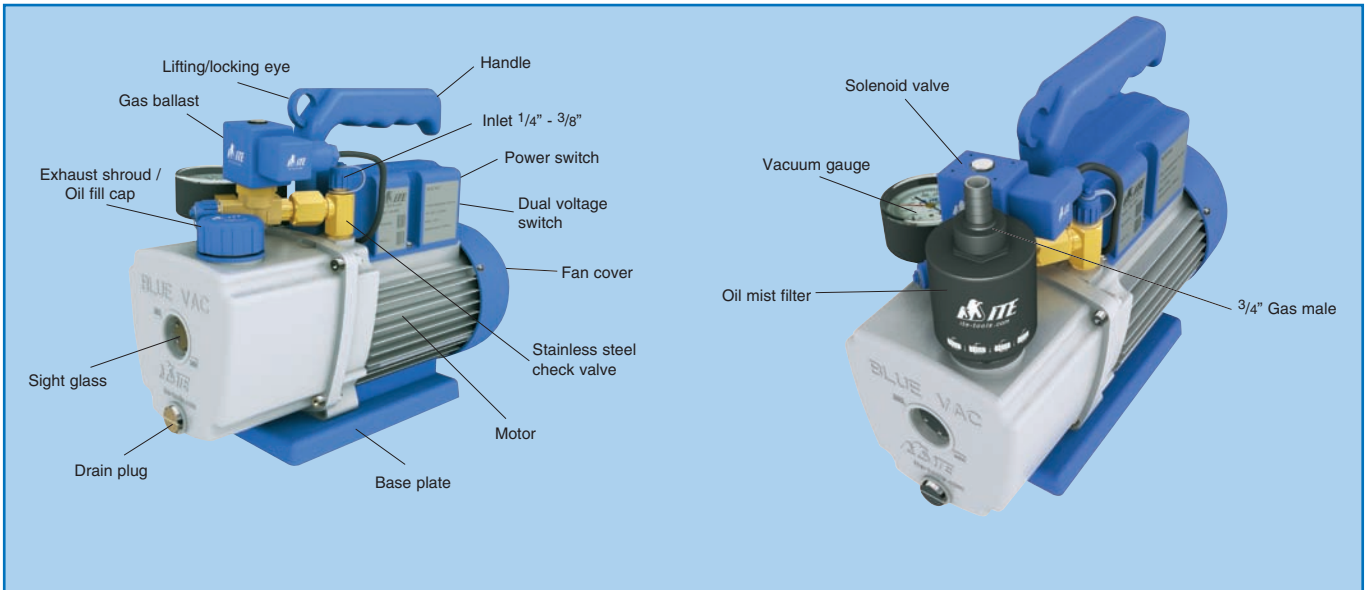
### GENERAL FEATURES

- Thermal overload protection.
- Cold start: 0°C.
- Optional manifold bracket.
- 4 different types of electrical connections/plugs (EC, UK, USA, Italy) to be specified when ordering.
- Pump can operate on all CFC, HCFC and HFC refrigerant systems.
- For continuous use on CFC and HCFC systems, we recommend ITE 205-P mineral oil.
- For continuous use on HFC systems, we recommend ITE 500-P ester oil.

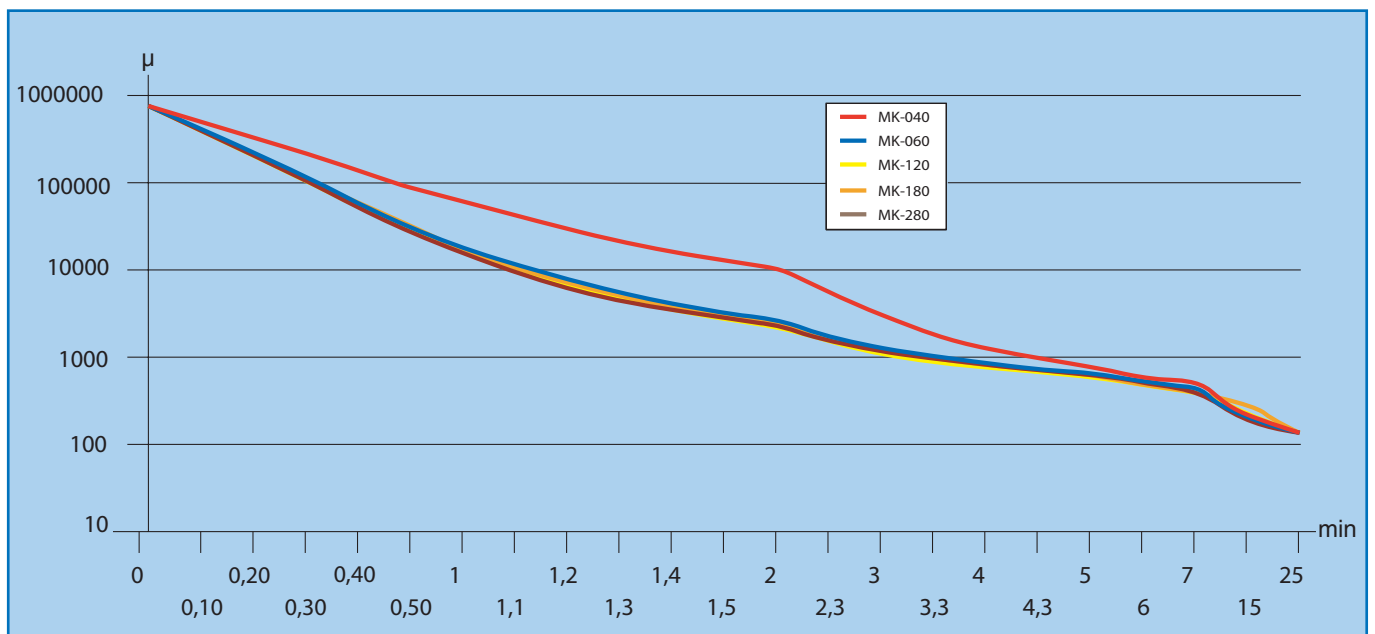
### NOTICE:

- Only start using the vacuum pump when all refrigerant is recovered from the system. Never try to transfer liquid with this vacuum pump.
- Pump needs to be connected at the highest point of the system.
- For 110 V use see optional adaptor





	Voltage	Free air displacement		Ultimate vacuum		Motor		Motor Speed	Oil cap.	Dimensions	Net weight
		L/min	CFM	micron	mBar	kW	HP				
<b>MK-040-DS</b>	220 V/50 Hz	40 L/min	1,44 CFM	15 micron	0,020 mBar	0,19 kW	1/4 HP	1440 RPM	480 ml	350 mm x 160 mm x 270 mm	10,40 kg
	110 V/60 Hz	48 L/min	1,70 CFM			0,19 kW	1/4 HP	1720 RPM			
<b>MK-060-DS</b>	220 V/50 Hz	66 L/min	2,30 CFM	15 micron	0,020 mBar	0,25 kW	1/3 HP	1440 RPM	480 ml	350 mm x 160 mm x 270 mm	11,00 kg
	110 V/60 Hz	78 L/min	2,75 CFM			0,25 kW	1/3 HP	1720 RPM			
<b>MK-120-DS</b>	220 V/50 Hz	132 L/min	4,66 CFM	15 micron	0,020 mBar	0,25 kW	1/3 HP	2880 RPM	800 ml	385 mm x 170 mm x 310 mm	14,60 kg
	110 V/60 Hz	156 L/min	5,50 CFM			0,37 kW	1/2 HP	3440 RPM			
<b>MK-180-DS</b>	220 V/50 Hz	176 L/min	6,23 CFM	12 micron	0,016 mBar	0,37 kW	1/2 HP	2880 RPM	1120 ml	385 mm x 170 mm x 310 mm	16,40 kg
	110 V/60 Hz	212 L/min	7,50 CFM			0,50 kW	2/3 HP	3440 RPM			
<b>MK-280-DS</b>	220 V/50 Hz	273 L/min	9,64 CFM	12 micron	0,016 mBar	0,50 kW	2/3 HP	2880 RPM	1070 ml	385 mm x 170 mm x 310 mm	16,90 kg
	110 V/60 Hz	326 L/min	11,50 CFM			0,56 kW	3/4 HP	3440 RPM			



## 2. SPARE PARTS FOR VACUUM PUMPS

### VPF-40 OIL MIST EXHAUST FILTER

#### DESCRIPTION

- Designed to be mounted on the exhaust of our complete Blue Vac series vacuum pumps.
- Ensures perfect filtration of the exhaust mist and optimal separation of air and oil.
- The metal housing is treated against corrosion.
- Contains a replaceable cartridge element, which allows extended use, even in poor working conditions.
- Very low maintenance cost, as only the cartridge has to be replaced.
- It is recommended to change the filter cartridge (model VPC-40) each time an oil change or maintenance has been performed.
- When using the outlet connection on the filter, do not reduce the original outlet diameter. If an exhaust hose is mounted on the outlet of the filter, use the shortest possible length and make sure that the hose is not kinked, pinched off, reduced or clogged along its length.

#### FEATURES

- Element type: Fibre glass.
- Filtering rate: 99,97 % (0,3 µm).

#### ACCESSORIES AND SPARE PARTS

<b>VPC-40</b>	Vacuum pump cartridge for VPF-40
<b>SV2W-38/627-VRP-110</b>	Kit solenoid valve 3/8" SAE + vacuum gauge Only use for dual voltage MK pumps
<b>SV2W-38/627-VRP-220</b>	Kit solenoid valve 3/8" SAE + vacuum gauge Only use for MK pumps in 220 V Do not use this solenoid valve for the ITE BLUE VAC line pumps
<b>SV2W-38/110</b>	Solenoid valve 3/8" SAE Only use for dual voltage MK pumps
<b>SV2W-38/220</b>	Solenoid valve 3/8" SAE Only use for MK pumps in 220 V Do not use this solenoid valve for the ITE BLUE VAC line pumps
<b>627-VRP</b>	<b>RELATIVE VACUUM GAUGE Ø 60 mm</b>

#### DESCRIPTION

- 60 mm "PULSE-FREE" relative vacuum gauge.
- Adjustable red pointer for reference mark.
- 1/8" male NPT bottom connection.
- Reading in mbar, 1000 - 0 mbar. Class 1.6.
- Zero calibration screw.
- 1/4" turn screw-type crystal lens.

<b>PMK-08-ALL</b>	Spare electrical cable with USA plug
<b>PMK-09-ALL</b>	Spare electrical cable with EC plug
<b>PMK-10-ALL</b>	Spare electrical cable with UK plug
<b>PMK-11-ALL</b>	Spare electrical cable with Italian plug
<b>PMK-29-ALL</b>	110 V Industrial Plug + Cable
<b>PMK-30-ALL</b>	220 V Industrial Plug + Cable

## 3. " ITE " VACUUM PUMP OILS

<b>205-P06</b>	<b>600 ml PLASTIC BOTTLE MINERAL OIL</b>
<b>205-P1</b>	<b>ONE LITRE PLASTIC BOTTLE MINERAL OIL</b>
<b>205-P4</b>	<b>FOUR LITRE PLASTIC BOTTLE MINERAL OIL</b>
<b>500-P1</b>	<b>ONE LITRE PLASTIC BOTTLE ESTER OIL</b>
<b>500-P4</b>	<b>FOUR LITRE PLASTIC BOTTLE ESTER OIL</b>

**NOTE:** We recommend that the oil is changed after every service job. Clear oil after checking is not necessarily safe one ...  
 Protect your pump... Remember, never store your pump with oil...  
 Carefully drain it...

