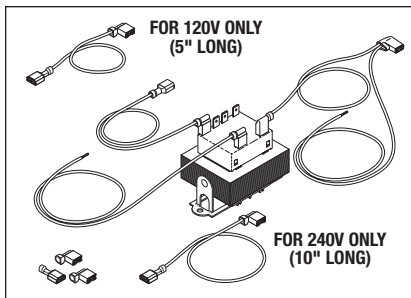




More New Parts to fit

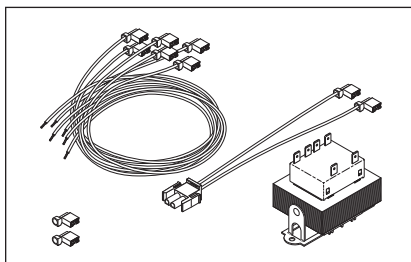
# Dental Vacuum Units!



**RPI Part #VPT142**  
**OEM Part #54623/54375/55866/55867/56325**

**TRANSFORMER**

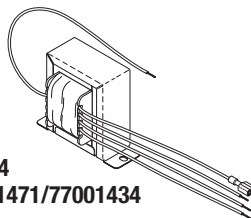
- Primary: 120/208/240VAC; 50/60Hz.
  - Secondary: 24VAC @ 40A
  - Includes all parts as shown
- Fits:** Electrical Control Box



**RPI Part #VPT143**  
**OEM Part #ETR10500;**  
**002-1442-00/015-196-00**

**TRANSFORMER**

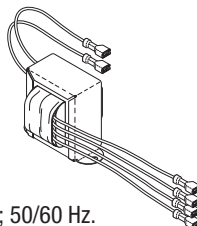
- Primary: 120/208/240VAC; 50/60Hz.
  - Secondary: 24VAC @ 40A
  - Includes all parts as shown
- Fits:** Electrical Control Box



**RPI Part #VPT144**  
**OEM Part #77001471/77001434**

**TRANSFORMER**

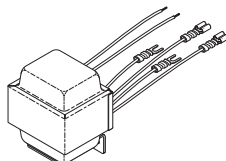
- Primary: 115/230VAC; 50/60Hz.
  - Secondary: 24VAC @ 30A
- Fits:** Electrical Control Box



**RPI Part #VPT145**  
**OEM Part #64568195**

**TRANSFORMER**

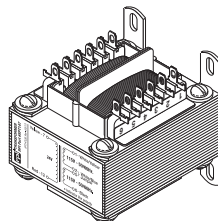
- Primary: 115/230VAC; 50/60 Hz.
  - Secondary: 24VAC @ 40A
  - Auto-Reset thermal protector
- Fits:** Electrical Control Box



**RPI Part #VPT146**  
**OEM Part #PT-100**

**TRANSFORMER**

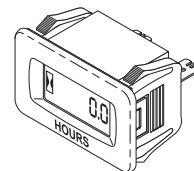
- Primary: Dual 120VAC; 60Hz.
  - Secondary: 24VAC @ 25A
- Fits:** Electrical Control Box



**RPI Part #VPT147**  
**OEM Part #53182**

**TRANSFORMER**

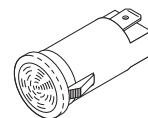
- Primary: Dual 115/230VAC; 50/60Hz.
  - Secondary: 24VAC @ 3.33A
- Fits:** Electrical Control Box



**RPI Part #VPM171**  
**OEM Part #20235600**

**HOUR METER**

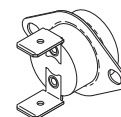
- AC/DC voltage input
  - Panel cutout: .952" x 1.452"
  - Counts in Tenths, then whole numbers up to 99.999 hours (Non-resettable)
  - Internal lithium battery (Non-replaceable), Battery life of 12 years minimum
- Fits:** Electrical Control Box



**RPI Part #VPL180**  
**OEM Part #015-1304-00**

**PILOT LIGHT (GREEN)**

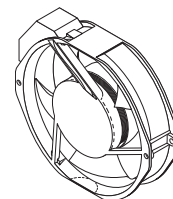
- 125VAC, 1/3W; 3/16" Tabs
  - .50 dia. mounting hole
- Fits:** Electrical Control Box



**RPI Part #VPT172**  
**OEM Part #65972500**

**THERMOSTAT**

- Opens @ 77°F and Closes at 95°F
  - 125VAC @ 15A / 250VAC @ 10A
  - 1/4" Tabs
- Fits:** Vacuum Base Unit



**RPI Part #VPF181**  
**OEM Part #20224500/SEA95540**

**FAN**

- 0.196A @ 230VAC
  - Size: 5.91" L x 6.38" H x 1.50" W
  - Aluminum housing; Polycarbonate impeller; Ball bearing construction
  - 3200 RPM; 212 CFM
- Fits:** Vacuum Base Unit

**DENTAL VACUUM UNITS –**  
 Air Techniques, Apollo/Midmark®,  
 DentalEZ®/Custom Air/RamVac,  
 Matrx/Midmark®, Midmark® & Tech West

SECTION

4

PAGE

1712

UPDATED

06/17

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**RPI Part #VPC152**

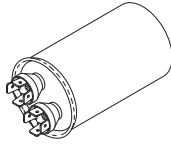
OEM Part # (No OEM Part # Available)



**CAPACITOR (15µf, 370VAC)**

- Run capacitor; Size: 1.76" dia. x 2.37/2.95" lg.
- 15µf, 370VAC, 50/60Hz.

Fits: Motor Assembly



**RPI Part #VPC153**

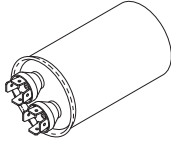
OEM Part #77001158; SMC-2



**CAPACITOR (25µf, 370VAC)**

- Start capacitor; Size: 1.76" dia. x 2.95/3.00" lg.
- 25µf, 370VAC, 50/60Hz.

Fits: Motor Assembly



**RPI Part #VPC154**

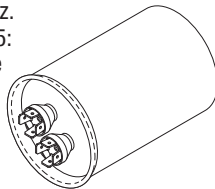
OEM Part #54323



**CAPACITOR (50µf, 480VAC)**

- Run capacitor; Size: 2.50" dia. x 3.75" lg.
- 50µf, 480VAC, 50/60Hz.
- Note: Fits Model STS-5:  
Serial #259 and above

Fits: Motor Assembly



**RPI Part #VPC155**

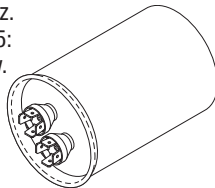
OEM Part #54323



**CAPACITOR (60µf, 440VAC)**

- Run Capacitor; Size: 2.50" dia x 3.75" lg.
- 60µf, 440VAC, 50/60Hz.
- Note: Fits Model STS-5:  
Serial #258 and below.

Fits: Motor Assembly



**RPI Part #VPC156**

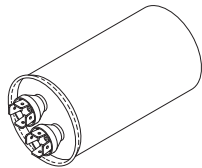
OEM Part #10560900



**CAPACITOR (60µf, 370VAC)**

- Run capacitor; Size: 2.00" dia. x 3.62"/3.75" lg.
- 60µf, 370VAC, 50/60Hz.

Fits: Motor Assembly



**RPI Part #VPC157**

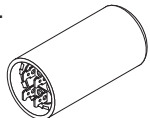
OEM Part # (No OEM Part # Available)



**CAPACITOR (189-227µf, 125VAC)**

- Start capacitor; Size: 1.43" dia. x 2.75" lg.
- 189-227µf, 125VAC, 50/60Hz.

Fits: Motor Assembly



**RPI Part #VPC158**

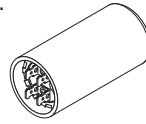
OEM Part #HFA10010; 55683



**CAPACITOR (250-300µf, 110VAC)**

- Start capacitor; Size: 1.43" dia. x 2.75/3.38" lg.
- 250-300µf, 110VAC, 50/60Hz.

Fits: Motor Assembly



**RPI Part #VPC159**

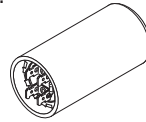
OEM Part # HFA10040;  
55684; 77001458/77001459



**CAPACITOR (295-355µf, 125VAC)**

- Start capacitor; Size: 2.06" dia x 3.37" lg.
- 295-355µf, 125VAC, 50/60Hz.
- Includes: 68K bleed resistor installed

Fits: Motor Assembly



**RPI Part #VPC161**

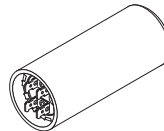
OEM Part #61894900



**CAPACITOR (378-454µf, 110VAC)**

- Start capacitor; Size: 1.44/1.81" dia. x 3.38/3.65" lg.
- 378-454µf, 110VAC, 50/60Hz.

Fits: Motor Assembly



**RPI Part #VPB164**

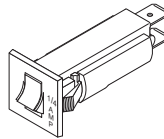
OEM Part #117690



**CIRCUIT BREAKER (1/4A)**

- 1/4A @ 250VAC
- Panel cutout: 5/8" dia.
- Push to reset
- Important Note: Verify the amperage of the circuit breaker you are replacing and be sure to use the same amperage.

Fits: Electrical Control Box



**Notes:** VacStar 50, VacStar 50H, VacStar 80 & VacStar 80H require 2 each.

**RPI Part #VPB167**

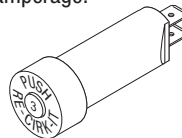
OEM Part #53180



**CIRCUIT BREAKER (3A)**

- 3A @ 250VAC or 50VDC
- Panel cutout: 5/8" dia.
- Push to reset
- Important Note: Verify the amperage of the circuit breaker you are replacing and be sure to use the same amperage.

Fits: Electrical Control Box



**Notes:** VacStar 50, VacStar 50H, VacStar 80 & VacStar 80H require 2 each.

**RPI Part #VPB182**

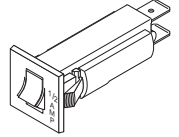
OEM Part #117061



**CIRCUIT BREAKER (1/2A)**

- 1/2 A @ 250VAC
- Panel cutout: 5/8" dia.
- Push to reset

Fits: Electrical Control Box



**RPI Part #VPB165**

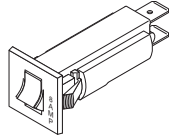
OEM Part #3801-911



**CIRCUIT BREAKER (8A)**

- 8A @ 250VAC
- Panel cutout: 5/8" dia.
- Push to reset

Fits: Electrical Control Box



**RPI Part #VPB166**

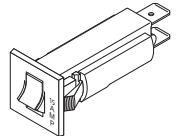
OEM Part #3801-120



**CIRCUIT BREAKER (15A)**

- 15A @ 250VAC
- Panel cutout: 5/8" dia.
- Push to reset

Fits: Electrical Control Box



**RPI Part #VPB168**

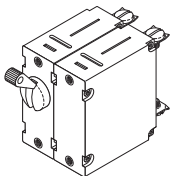
OEM Part #54247



**CIRCUIT BREAKER (15A)**

- 15A @ 250VAC
- #8-32 screw lugs
- Panel cutout: 9/16" dia.
- On/Off switch

Fits: Electrical Control Box



**RPI Part #VPB169**

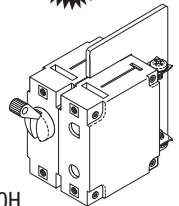
OEM Part #56149/56148



**CIRCUIT BREAKER (16A)**

- 16A @ 250VAC
- #10-32 screw lugs
- On/Off switch

Fits: Electrical Control Box



**Notes:** VacStar 50, VacStar 50H, VacStar 80 & VacStar 80H require 2 each.

**RPI Part #VPS170**

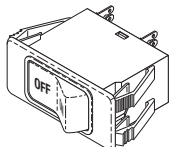
OEM Part #ECS10422



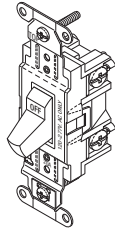
**POWER SWITCH/  
CIRCUIT BREAKER (1/2A)**

- 1/2A @ 250VAC or 50VDC
- Push-in panel mount;  
Dual blade terminals

Fits: Electrical Control Box



**RPI Part #VPS177**  
**OEM Part #85838**

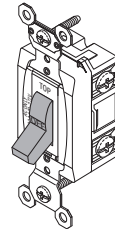


**POWER SWITCH**

- Toggle switch (On/Off)
- 20A @ 120/277VAC, SPDT
- Screw terminals

**Fits:** Electrical Control Box

**RPI Part #VPS178**  
**OEM Part #77001130;**  
**ECS10417**

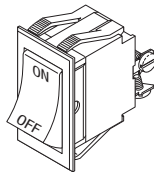


**POWER SWITCH**

- Toggle switch (On/Off)
- 20A @ 120/277VAC, SPDT
- Screw terminals

**Fits:** Electrical Control Box

**RPI Part #VPS179**  
**OEM Part #55993**

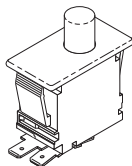


**POWER SWITCH**

- Rocker switch (On/Off)
- 20A @ 120/277VAC, SPDT
- Screw terminals
- Panel cutout: 1.450" x .830"

**Fits:** Electrical Control Box

**RPI Part #MIS255**  
**OEM Part #015-1055-00/**  
**62977400**

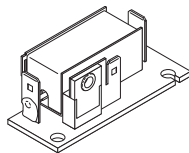


**LIMIT SWITCH**

- Momentary (on - off)
- 0.1A @ 125VAC, SPDT
- Panel cutout: 1.125" x .550"

**Fits:** Front Panel Controls and Front Box Assembly

**RPI Part #VPS173**  
**OEM Part #55681**

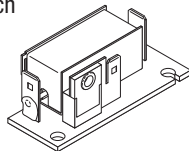


**SWITCH (SOLID STATE 115VAC)**

- 115VAC motor start switch

**Fits:** Motor

**RPI Part #VPS174**  
**OEM Part #55682**

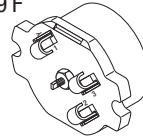


**SWITCH (SOLID STATE 220VAC)**

- 220VAC motor start switch

**Fits:** Motor

**RPI Part #VPS175**  
**OEM Part #55677**

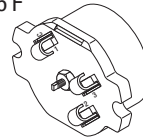


**THERMAL OVERLOAD SWITCH**

- Automatic reset
- Opens @ 302°F; Closes @ 239°F
- 120VAC @ 40A / 240VAC @ 30A

**Fits:** Electrical Control Box

**RPI Part #VPS176**  
**OEM Part #55698**



**THERMAL OVERLOAD SWITCH**

- Automatic reset
- Opens @ 275°F; Closes @ 216°F
- 120VAC @ 40A / 240VAC @ 30A

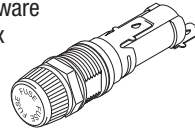
**Fits:** Electrical Control Box

**RPI Part #RPH638**  
**OEM Part #90219**

**FUSE HOLDER**

- Accommodates 1/4" x 1-1/4" fuse
- 20A @ 250VAC
- Mounting hole size: .500" dia.
- Includes mounting hardware

**Fits:** Electrical Control Box



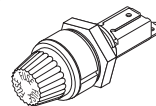
**RPI Part #RPH988**  
**OEM Part #FH-100**



**FUSE HOLDER**

- Accommodates 1/4" x 1-1/4" fuse
- 20A @ 250VAC
- Mounting hole size: .500" dia.
- Includes mounting hardware

**Fits:** Electrical Control Box



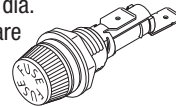
**RPI Part #RPH989**  
**OEM Part #65927500;**  
**EMS10935**



**FUSE HOLDER**

- Accommodates 1/4" x 1-1/4" fuse
- 20A @ 250VAC
- Mounting hole size: .500" dia.
- Includes mounting hardware

**Fits:** Electrical Control Box



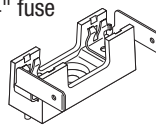
**RPI Part #RPH990**  
**OEM Part #015-1534-00;**  
**62977600**



**FUSE HOLDER**

- Accommodates 1/4" x 1-1/4" fuse
- 30A @ 250VAC
- Surface mount

**Fits:** Electrical Control Box



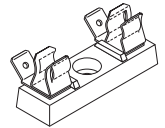
**RPI Part #RPH991**  
**OEM Part #64561004**



**FUSE HOLDER**

- Accommodates 1/4" x 1-1/4" fuse
- 30A @ 250VAC
- Surface mounting

**Fits:** Electrical Control Box



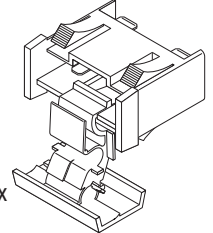
**RPI Part #RPH992**  
**OEM Part #61884100**



**FUSE HOLDER**

- Accommodates 1/4" x 1-1/4" fuse
- 15A @ 250VAC
- Flip-Top, shock-safe, squeeze cover to open
- Panel cutout: .688" x 1.455"
- Fuse carrier holds spare fuse

**Fits:** Electrical Control Box



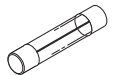
**RPI Part #RPF996**  
**OEM Part #64568130**



**FUSE (150mA, 250V)**  
**1/4" x 1-1/4" - TIME DELAY**

- 5 per package
- Type: 3 Glass AG; time delay

**Fits:** Fuse Holder



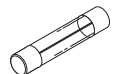
**RPI Part #RPF994**  
**OEM Part #63882538; 64568131**



**FUSE (3/10A, 250V)**  
**1/4" x 1-1/4" - TIME DELAY**

- 5 per package
- Type: 3 Glass AG, time delay

**Fits:** Fuse Holder



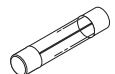
**RPI Part #RPF995**  
**OEM Part #015-0346-36**



**FUSE (1/8A, 250V)**  
**1/4" x 1-1/4" - TIME DELAY**

- 5 per Package
- Type: 3 Glass AG; time delay

**Fits:** Fuse Holder



**RPI Part #RPF993**  
**OEM Part #77001402**



**FUSE (3/4A, 250V)**  
**1/4" x 1-1/4" - TIME DELAY**

- 5 per package
- Type: 3 Glass AG; time delay

**Fits:** Fuse Holder



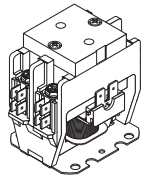
**RPI Part #VPR148**  
**OEM Part #55857/55407;**  
**015-2817-00; 64568133; PR-100**



**RELAY (ELECTRICAL CONTACTOR)**

- Coil: 24VAC, 11 ohms
- 2 pole, Contacts rated at 30A

**Fits:** Vacuum Electrical Control Box



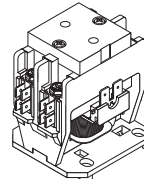
**RPI Part #VPR150**  
**OEM Part #015-2029-00**



**RELAY (ELECTRICAL CONTACTOR)**

- Coil: 24VAC, 11 ohms
- 2 pole; Contacts rated at 30A
- DIN mounting bracket (35mm Style)

**Fits:** Vacuum Electrical Control Box



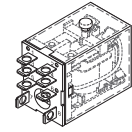
**RPI Part #VPR162**  
**OEM Part # 015-2018-00**



**RELAY**

- Coil: 24VAC, 180 ohms
- DPDT rated at 10Amps
- Plug-in or solder terminals
- LED indicator and Push-to-Test button
- Also available: Relay Socket (RPI Part #VPS163)

**Fits:** Vacuum Electrical Control Box



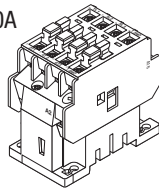
**RPI Part #VPR149**  
**OEM Part #62899901**



**RELAY (ELECTRICAL CONTACTOR)**

- Coil: 24VDC
- 3 pole, Contacts rated at 30A
- Screw terminals

**Fits:** Vacuum Electrical Control Box



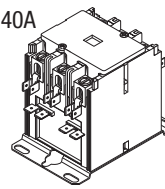
**RPI Part #VPR151**  
**OEM Part #54498**



**RELAY (ELECTRICAL CONTACTOR)**

- Coil: 24VAC, 7 ohms
- 3 pole; Contacts rated at 40A

**Fits:** Vacuum Electrical Control Box



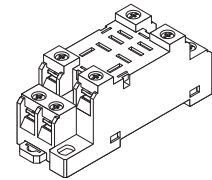
**RPI Part #VPS163**  
**OEM Part # 015-2020-00**



**RELAY SOCKET**

- Accommodates track or screw mount
- Also available: Relay (RPI Part #VPR162)

**Fits:** Vacuum Electrical Control Box



# More New RPI Parts to fit Dental Vacuum Units!

See our website [www.rpiparts.com](http://www.rpiparts.com) for specific models these parts fit!

RPI PART #	DESCRIPTION	AIR TECHNIQUES	APOLLO/ MIDMARK®	DENTALEZ®/ CUSTOM AIR/RAMVAC	MATRIX/ MIDMARK®	MIDMARK®	TECH WEST
MIS255	LIMIT SWITCH					015-1055-00 & 62977400	
RPF993	FUSE (3/4A, 250V)				77001402		
RPF994	FUSE (3/10A, 250V)			64568131	63882538		
RPF995	FUSE (1/8A, 250V)					015-0346-36	
RPF996	FUSE (150mA, 250V)			64568130			
RPH638	FUSE HOLDER	90219					
RPH988	FUSE HOLDER						FH-100
RPH989	FUSE HOLDER		EMS10935			65927500	
RPH990	FUSE HOLDER				62977600	015-1534-00	
RPH991	FUSE HOLDER			64561004			
RPH992	FUSE HOLDER				61884100		
VPB164	CIRCUIT BREAKER (1/4A)	117690					
VPB165	CIRCUIT BREAKER (8A)			3801-911			
VPB166	CIRCUIT BREAKER (15A)			3801-120			
VPB167	CIRCUIT BREAKER (3A)	53180					
VPB168	CIRCUIT BREAKER (15A)	54247					
VPB169	CIRCUIT BREAKER (16A)	56149 & 56148					
VPB182	CIRCUIT BREAKER (1/2A)	117061					
VPC152	CAPACITOR (15µf, 370VAC)			No OEM Part # Available			
VPC153	CAPACITOR (25µf, 370VAC)				77001158		SMC-2
VPC154	CAPACITOR (50µf, 480VAC)	54323					
VPC155	CAPACITOR (60µf, 440VAC)	54323					
VPC156	CAPACITOR (60µf, 370VAC)					10560900	
VPC157	CAPACITOR (189-227µf, 125VAC)			No OEM Part # Available			
VPC158	CAPACITOR (250-300µf, 110VAC)	55683	HFA10010				
VPC159	CAPACITOR (295-355µf, 125VAC)	55684	HFA10040		77001458 & 77001459	77001458 & 77001459	
VPC161	CAPACITOR (378-454µf, 110VAC)				61894900		
VPF181	FAN					20224500 & SEA95540	
VPL180	PILOT LIGHT (GREEN)					015-1304-00	
VPM171	PILOT LIGHT (GREEN)				20235600	20235600	
VPR148	RELAY (ELECTRICAL CONTACTOR)	55857 & 55407		64568133		015-2817-00	PR-100
VPR149	RELAY (ELECTRICAL CONTACTOR)				62899901		
VPR150	RELAY (ELECTRICAL CONTACTOR)		No OEM Part # Available			015-2029-00	
VPR151	RELAY (ELECTRICAL CONTACTOR)	54498					
VPR162	RELAY					015-2018-00	
VPS163	RELAY SOCKET					015-2020-00	
VPS170	POWER SWITCH/CIRCUIT BREAKER (1/2A)		ECS10422			ECS10422	
VPS173	SWITCH (SOLID STATE 115VAC)	55681					
VPS174	SWITCH (SOLID STATE 220VAC)	55682					
VPS175	THERMAL OVERLOAD SWITCH	55677					
VPS176	THERMAL OVERLOAD SWITCH	55698					
VPS177	POWER SWITCH	85838					
VPS178	POWER SWITCH		ECS10417		77001130	77001130	
VPS179	POWER SWITCH	55993					
VPT142	TRANSFORMER	54623, 54375, 55866, 55867 & 56325					
VPT143	TRANSFORMER		ETR10500				
VPT144	TRANSFORMER				77001471 & 77001434	002-1442-00 & 015-196-00	
VPT145	TRANSFORMER			64568195			
VPT146	TRANSFORMER						PT-100
VPT147	TRANSFORMER	53182					
VPT172	THERMOSTAT					65972500	