

TECH TIP



Measuring three phase.

Do not attempt to measure line voltages unless you have been properly trained to safely take high voltage measurements. The typical three phase voltages range is from 208 volts to 575 volts.

Keep this quote always in mind.

"A momentary inattention to energized equipment may easily carry the punishment of death, enforced promptly, without the chance of appeal anywhere on earth."

When a service technician calls UPD's technical support an accurate reading of the three phase supply voltage is often needed. Some technicians will take a reading between each leg to ground. This reading only shows that there is a ground connected to the unit. If the reading is taken inside the unit, perhaps at a contractor, other electrical parts such as a transformer may give an apparent acceptable reading even though one leg is dead. Also with some electric systems one leg will be at ground giving the appearance that it is open.

The only accurate way to determine the voltage is to take the readings from one leg to the other. All three legs must be read. It is best to develop a sequence such as reading L1 across to L2 then L1 across to L3 and finally L2 across to L3. A reading should be taken when the unit is not operating and then in full operation. If the voltage drop is more than 5% of the no-load readings then there may be problems with loose connections in the wiring or even problems with the electric supplier's system.

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HAPPY NEW YEAR FROM UPD!

 **YORK**

It's time to get comfortable.

Humidifiers

12 GPD Small ByPass Unit	#BP5000MT	\$119.00
17 GPD Large ByPass Water Saver Unit (Drainless)	#BP4000MT	\$139.00
17 GPD Large ByPass Unit	#BP6000MT	\$129.00
18 GPD Large Fan Powered Unit	#FP7000MT	\$179.00

Replacement Water Pads

Vapor Pad for BP5000	#HUPAD10	\$4.00/each
Vapor Pad for BP6000 & FP7000	#HUPAD35	\$5.00/each
Vapor Pad for BP4000	#HUPAD45	\$14.00/pk. of 2

*Pads for other brand units available.

Steam Humidifier

Multivoltage Steam Humidifier	#STEAM8000T01	\$649.00
120V =	11.5 GPD	
208V =	20.5 GPD	
240V =	23.5 GPD	




ROSEDALE BRANCH
1200 68th Street
Baltimore, MD 21237
(410)-866-6800
(888)-907-9675 (YORK)
(410)-866-1048 Fax

SALISBURY BRANCH
201 Marvel Road
Salisbury, MD 21801
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22725 Dulles Summit Court
Dulles, VA 20166
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EXCEEDING EXPECTATIONS



YELLOW JACKET®

**Gas Pressure Test Kit,
0-35" W.C.**
#78060
Just \$49.00



**Digital Electronic
Manometer**
#78050
Just \$109.00



**Combustible
Gas Detector**
#69373
Just \$269.00



Mini Refrigeration System Analyzer

40852 \$199.00

- Nearly 100 NIST refrigerant profiles included
- Automatic superheat and subcool calculations
- Displays bubble, saturated and dewpoint temperatures
- Easy-to-read graphic display with backlight
- Internal single brass manifold
- Refrigerants "favorites" set up
- Elevation may be entered manually for accurate, automatic pressure compensation
- Includes bead probe
- Two-year warranty



ManTooth™ Single Pressure Wireless Digital P/T Gauge

- Includes P/T Module with boot, temperature probe clamp, and USB cable.

**67001
\$229.00**



ManTooth™ Dual Pressure Wireless Digital P/T Gauge

- Includes P/T Module and tether unit with boots, two temperature probe clamps, a USB cable and case.

**67002
\$329.00**



Mega Standard Single Zone Inverter System



#LS-090HXV 9MBH

Heat Pump 115 Volt
\$788.00

#LS-120HXV 12MBH

Heat Pump 115 Volt
\$860.00

#LS-180HEV 18MBH

Heat Pump 230 Volt
\$1388.00

#LS-240HEV 24MBH

Heat Pump 230 Volt
\$1461.00

System includes wall mount air handler with wireless remote and outdoor hp unit. Lineset NOT included.

Aftermarket Carrier / BDP Pilot Burners

Replacement for:

**FC-73 – 2 wire
\$49.00**

**FC-74 – 3 wire
\$49.00**

**FC-82 – 821 blower relay
\$69.00**

**FC-87 – Electrode
\$15.00**



Dual-Port Manometer

#SDMN5
Only \$129.00



Combustion Analyzer

#SOX3
Only \$329.00



Manometer and Pressure
Switch Tester

#SDMN6
Only \$239.00



EXCEEDING EXPECTATIONS



Model MC – Closed Top
\$99.00

- 20 Interior & Exterior Tool Pockets
- 2 Large & 5 Small D-Rings
- Meters and Compact Cordless Drill/Driver compartment
- 12.5"H x 10"L x 8"W

TECH-PAC
\$219.00

- 56 Tiered Pockets
- 4 Storage Platforms
- 21.5"H x 14.25"L x 9.875"W



TECH-LC
\$159.00

- 53 Tiered Pockets
- 6 Zippered Pockets
- 19"H x 13.5"L x 9.5"W



MB
\$49.00

- 10 Vertical Tool Pockets
- 2 Meter Pockets
- 9"H x 8"L x 3"W



TECH-XL
\$189.00

- 80 Tiered Pockets
- 14 Neoprene Pockets
- 20.75"H x 16.5"L x 9.5"W



MB2
\$69.00

- 10 Vertical Tool Pockets
- 2 Meter Pockets
- 13"H x 8"L x 3"W

ICM Furnace Control Modules

Replaces:

Goodman B1809906 #ICM280 **\$76.00**

Carrier CES0110074 #ICM2804 **\$79.00**

Nordyne 903106-KIT #ICM2805 **\$85.00**

Carrier CES0110057 #ICM281 **\$78.00**

Carrier HK42FZ004/007/013 #ICM282 **\$125.00**

Goodman B18099-04 #ICM287 **\$85.00**

Lennox BCC1,2,3 #ICM289 **\$105.00**

Carrier LH33WP003 #ICM291 **\$130.00**

Rheem 62-24140-04 #ICM292 **\$105.00**

