HARRY ALTER CO.

Venstar Thermostats

Residential
Wireless Programmable
7-Day Programmable

Features:
Large easy-to-read display. Auto changeover, 2 stage heat/cool, programmable up to 4 timer periods per day, programmable fan with start and stop times, dual setpoints with adjustable deadband. Neverlost settings during power failure. Compatible with Heat Pump, Gas / Electric, multistage, and Hydronic systems. Thermostat and Receiver operate on 2AA lithium batteries.

Both receiver and thermostat are paired to allow communication. Thermostat is capable of transmitting to multiple receivers.

No.	Description
VST 1100RF	Thermostat / Transmitter
VST 1100REC	Receiver; Base Station

VSACC0800	Wireless Power Supply	Optional power supply for wireless thermostat, with this accessory the T1100RF wireless thermostat does not need batteries
VSACC0436	Transformer and Relay kit 2 wire 1 stage gas/ electric 2	For T1100RF & REC

Value Series
Digital Thermostat
Battery Operated

Features:
Stage: Heat/Cool 1H, 1C
Stage: Heat Pump 1H, 1C
Battery operated 2, 3, & 4 wire
Large LCD Display
Room temperature display
Set temperature display on button press
Easy to install and operate with
Heat / Off / Cool and
Fan On / Fan Auto switches
Compatible with Heat Pump, Gas / Electric
24 VAC, DC and Millivolt systems

No.	Description
VST0130	Non-Programmable
VST1035	Programmable, 5+2 Day

Residential
Small Footprint
1 & 5+2 Day Programmable
24V Powered

Features:
Auto changeover, 35 to 99 degrees range Celsius or Fahrenheit, programmable up to 4 time periods per day, separate weekday and weekend programs, thermostat locking, continuous lit display, shows both heating and cooling setpoints, memory is not lost during power failure, 5 minute compressor protection. Simple to operate large display and buttons. Works with 4 or 5 wire (No common necessary.) Compatible with Heat Pump, Gas / Electric. Thermostat is 24V powered and white in color.

Large Display 5+2 Programmable

No.	Description
VST1050	24V 2 Stage Heat / Cool 5 + 2 Day Programmable

Small Display 1-Day Programmable

No.	Description
VST1010	24V Powered 2 Stage Heat/Cool 1 Day programmable / Small Display

Residental
FlatStat
7 Day Programmable
24V Powered

One for All 2-stage heat, 2-stage cool for use with gas/electrics, heat pumps, electric & hydronic heat
Autochangeover - automatically switches between heating and cooling as needed
Thermostat-locking - set points can be adjusted only by authorized individuals when this feature is on
All programming and set points stored in non-volatile memory and are never lost in a power failure
LED indicator glows green or red to indicate cooling or heating
Mounting bracket included for easy drywall installation, or fits in 2" x 4" junction box.

Small Display 1-Day Programmable

No.	Description
VST1100FS	RES FLATSTAT 7 DAY2H/2C

Residential
Slimline Platinum
7 Day Programmable
24V Powered

Features:
Large easy-to-read display. Auto changeover, 3 stage heat/ 2 cool, 35 to 99 degrees range Celsius or Fahrenheit, programmable with up to 4 time periods per day with copy command for easy programming. Energy Save (smart recovery) , thermostat locking, continuous lit display, display shows heating and cool simultaneously. Memory is stored during power failure, adjustable service filter indicator, 5-minute compressor time guard. Optional outdoor air sensor and outdoor temperature display; accepts humiditiy module, remote control accessory and EZ programmer. Compatible with Heat Pump, Gas / Electric. Thermostat is 24V powered and white in color.

No.	Description
VST1800	24V 3 Stage Heat / 2 Cool Optional power 7 Day Programmable
VST1900	Same as T1800 with programmagle output; Built in humidity module; Dual fuel, Energy watch and more.

Add-A-Wireless Thermostat works with Venstar's Slimline Platinum thermostats like a remote control, monitoring and adjusting the temperature of any room in the house - from anywhere in the house.
There are NO wires to run.

> Quick and easy 5 minute installation
> Theromstat with last button pressed is the one in control
> Back lit display
> Fully Electronic
> Compatible with T1800 and T1900

No.	Description
VST1119RF	RES ADD A WIRELESS TSTAT
VST1100RF	RES WIRELESS TSTATREMOTE 2H/2C

Venstar Accessories

No.	Venstar	Description	Used On
P474-0410	VSACC0410	Add-A-Wire	All thermostats
	VCCTIB515	Trane Interface Board	The TIB-515 Trane Interface Board allows the use of a conventional thermostat with
P474-0401	VSACC0401	Indoor Remote Sensor	It can be used with the Venstar T1800, T1900, T2700, T2900, T2900SCH and T2300FS
P474-0400	VSACC0400	Outdoor Sensor	T1100FS, T1700, T1800, T1900, T2700, T2800, T2900, T2300FS or TSTATEZ thermostats. The high and low outdoor air readouts for the day can be displayed on the T1800, T1900, T2800 and T2900 thermostats.
	VSACC0414RF	Wireless Sensor	(with compatible thermostats
	VSACC0414REC	Wireless Reciever	The receiver automatically averages the temperatures it receives from the indoor wireless sensor and reports the average to the thermostat. Up to 8 Wireless Sensors (ACC0414RF) may be used with 1 Receiver (ACC0414REC).
	VSACC0800	Wireless Power Supply	Optional power supply for wireless thermostat, with this accessory the T1100RF wireless thermostat does not need batteries.
	VSACC0436	Transformer and Relay kit 2 wire 1 stage gas/ electric 2 wire kit)	For T1100RF; REC
	VSACC0433	Wireless Module Comfort Call	For T1700, 1800,1900,2700,2800,2900
	VSACC0434	Wireless Module Comfort Call	Comfort Call (ACC0433) allows up to four thermostats to be linked to one Base Station using these additional RF Wireless Modules (ACC0434).
	VSACC0435	Duct Sensor	The Remote Duct Sensor for Venstar thermostats is a digital temperature sensor. Constructed with plenum-rated cable, it is designed to be installed inside the return air duct. A grommet is included to protect the cable from the edge of the sheet metal.
	VSACC0450	Extra Zone	Use Extra-Zone™ for an Over or Under Conditioned Area; Controls up to four standard dampers;Digital Temperature Sensor included
	VSACC0450	Extra Zone	Use Extra-Zone™ for an Over or Under Conditioned Area; Controls up to four standard dampers;Digital Temperature Sensor included
	VSACC0431	Remote control	This accessory allows for the infrared remote operation of the most basic thermostat functions.
	VSACC0432	EZ Programmer	The EZ programmer accessory allows the user to quickly transfer the configuration settings from one thermostat to another
	VSACC0432	EZ Programmer	The EZ programmer accessory allows the user to quickly transfer the configuration settings from one thermostat to another
	VSACC0430	Humidity Module	Quick & Easy to install; VST1800; VST2700
	VSACC0620	Lock Ring	LOCKING COVER FOR T1700/1800/1900/2700/2800/2 900. This Locking Ring prevents the front door on a Venstar Platinum thermostats from being opened by unauthorized users. Override, Up/Down buttons are accessible on commercial
P474-0421S	VSACC0421S	Back Plate 4.62W x 4.62 H	Back Plate P474-0100, P474-1050; T1010, T1050
P474-0421M	VSACC0421M	7 W x 4.25H	
P474-0421	VSACC0421	Back Plate	
P474-0421L	VSACC0421L	Large Back Plate 6.3 W x 5.8 H	
	VSACC0422	Slimline Platinum Wallplate	T1700,T1800, T1900, T2700, T2800, T2900, T2900SCH and TSTATEZ
P474-0423	VSACC0423	Back Plate	P474-0130, P474-1035; T0130, T1035, T1040 and T1045
	VSACC0424	Wall Plate	For T0130, T0140, T1035, T1045
	VSACC0297	Wall Plate	ACC WALL PLATE FORWIRELESS RF TSTAT

Venstar Thermostats

Commercial
Slimline Platinum
7 Day Programmable
24V Powered
Standard Features

3 configurable outputs for maximum flexibility
Heat pump compatible
Backlit, color-coded keys and legends
Large, easy to read backlit display
Configurable programmable or non-programmable
Configurable manual or auto changeover
LED indicator glows green or red to indicate cooling or heating
Service filter and UV light indicators
Fahrenheit or Celsius display
Non-volatile memory
Keypad lock
Accepts the IR Remote Control Accessory
Accepts the Humidity Module Accessory
Accepts the EZ Programmer Accessory
Accepts the Comfort Call Telephone Accessory

No.	Program	Stages	Descriptions
VST2700	None	2H/2C	Non-Programmable with Smart fan; Controls or monitors a 2nd sensor; randon start; accepts humidity module; 4 hr overrided
VST2800	7 day	3H/2C	Same as 2700 except doesn't control second sensor; up to 3 occupied periods per day; Hi/Low outdoor temps of the day; Energy Save; Holiday mode
VST2900	7 day	3H/2C	Sames as 2700; Light activated; programmable output; economizer control; Can average with up to 8 remote sensors; Preheat capable; Pre Occupancy fan purge; Energy watch

Commercial
FlatStat
7 Day Programmable
24V Powered

One for All 2-stage heat, 2-stage cool for use with gas/electrics, heat pumps, electric & hydronic heat
Autochangeover - automatically switches between heating and cooling as needed
Thermostat-locking - set points can be adjusted only by authorized individuals when this feature is on
All programming and set points stored in non-volatile memory and are never lost in a power failure
LED indicator glows green or red to indicate cooling or heating
Mounting bracket included for easy drywall installation, or fits in 2" x 4" junction box.
7-day programmable
Energy Star rated and accepts the optional outdoor air temperature sensor
Up to 3 occupied periods for commercial installations
3 security levels with set point limiting
Override up to 4 hours
Preoccupancy fan purge
Battery backup for clock (12 hours)
Includes on board dry contact terminals
Accepts the optional indoor remote temperature sensor

No.	Program	Stages	Descriptions
VST2300FS	7 Day	2H/2C	Elegant and unobtrusive, this flat to the wall architectural design offers many high tech features and a large, easy to read display with a continuous backlight.

Venstar Thermostats

Product	Product Description	Application
VST5800	COLORTOUCH Programmable TSTAT Up to 4 stages Heating / 2 Cooling	Residential
VST6800		Commercial

Accessories

Product	Product Description
VSACCFP1BL	Black Face Plate Colortouch
VSACCFP1BW	Burl Wood Face Plate Colortouch
VSACCFP1SL	Silver Face Plate Colortouch
VSACCFP1WH	White Face Plate Colortouch
VSACCWPLWH	White Wall Plate Colortouch
VSACCTSEN	Indoor/Outdoor Sensor Colortouch

Hydronic Thermostat
7-Day Programmable
LineVoltPRO 8000

The TL8100 Hydronic Thermostat offers the energy savings of a programmable control for a wide variety of applications. With the TL8100 there's no need to carry multiple thermostats for different applications. It can be used to control 2-way zone valves, 3-way zone valves or circulator pumps in both line volt and low volt applications.

Voltage: Millivolt, 24Vdc, 120Vac, 240Vac
7 day programmable

No	Description	Each
HWTL8100A1008	7 Day Programmable	$94.58

Electric Baseboard Thermostat
Non-Programmable
T410

Economy thermostats that provide reliable line voltage control of resistive rated electric heating equipment. Snap-action switch makes heating circuit on temperature fall.

Non-programmable
120 / 208 / 240 / 277 Vac

No.	Description	Each
HWT410A1013	Bi-metal thermostat	$20.22

Round Heat Only
Non-Programmable
T87K

The Round® Heat Only Mercury Free Thermostat

1 Heat
24 Vac

No.	Description	Each
HWT87K1007	Heat only thermostat	$48.24
HW50010944001	Range stop	$6.58

Digital Round Heat Only
Non-Programmable
T8775A

The Digital Round® Heat Only Thermostat

1 Heat
24 Vac

No.	Description	Each
HWT8775A1009	Heat only thermostat	$66.70

Ecomony Thermostat
Non-Programmable
T812

Basic Thermostats for low voltage control of single-stage heating, cooling or heating-cooling systems.

Non-programmable
1 Heat / 1 Cool
24 Vac
Conventional Systems

No	Description	Each
HWT812C1000	Non-programmable	$20.22

Round Thermostat
Non-Programmable
T87N

The Round® Mercury Free Thermostat

Non-programmable
1 Heat / 1 Cool
24 Vac
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWT87N1000	Non-programmable	$70.58
HW50010944001	Range stop	$6.58

Easy to See Round Thermostat
Non-Programmable
T87N

The Round® Easy to See Mercury Free Thermostat

Non-programmable
1 Heat / 1 Cool
24 Vac
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWT87N1026	Non-programmable	$88.02
HW50010944001	Range stop	$6.58

Digital Round
Non-Programmable
T8775C

The Digital Round® Thermostat

Non-programmable
1 Heat / 1 Cool
24 Vac
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWT8775C1005	Non-programmable	$78.40

Horizontal Mechanical Thermostat
Non-Programmable

Meet all current and future mercury-free thermostat compliance needs with Honeywell's Mercury-Free Econostat. The perfect electromechanical replacement choice for you and your customers.

Non-programmable
24 Vac
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWT8034N1007	Non-programmable	$42.92
HW50019661001	Range Stop	$9.58

Vertical Mechanical Thermostat
Non-Programmable

Meet all current and future mercury-free thermostat compliance needs with Honeywell's Mercury-Free Econostat. The perfect electromechanical replacement choice for you and your customers.

Non-programmable
24 Vac
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWT834N1002	Non-programmable	$42.92
HW50019661001	Range Stop	$9.58

Non-Programmable
PRO 3000

The PRO non-programmable family of thermostats provides basic and simple operation.

Non-programmable
Dual Powered: Battery or Hardwire - 24 Vac
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWTH3110D1008	Non-programmable	$53.20

Backplate

Used with FocusPRO® 6000/5000 and PRO 4000/3000 thermostats. Includes one medium and one large coverplate, bracket for j-boxes and mounting hardware.
Medium coverplate is 5" x 6" Large coverplate is 6" x 8-5/16"

No.	Description	Each
HW50002883001	Backplate	$17.20

5 + 2 Day Programmable
PRO 4000

The PRO programmable family of thermostats provides basic and simple programming

5 + 2 Day programmable
Dual Powered: Battery or Hardwire - 24 Vac
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWTH4110D1007	5 + 2 Day Programmable	$66.32

Non-Programmable
Focus PRO 5000

The FocusPRO™ non-programmable digital thermostat

Non-programmable
Dual Powered: Battery or Hardwire - 24 Vac, 750 mV
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWTH5110D1006	Non-programmable Standard Display	$72.32
HWTH5110D1022	Non-programmable Large Display	$81.52

5 + 2 Day Programmable
Focus PRO 6000

The FocusPRO™ programmable digital thermostat

5 + 2 Day programmable
Dual Powered: Battery or Hardwire - 24 Vac, 750 mV
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat

No.	Description	Each
HWTH6110D1005	Non-programmable Standard Display	$104.84
HWTH6110D1021	Non-programmable Large Display	$122.62

5 + 2 Day Programmable
Focus PRO 6000

The FocusPRO™ programmable digital thermostat

5 + 2 Day programmable
Dual Powered: Battery or Hardwire - 24 Vac, 750 mV
2 Heat / 2 Cool
Conventional Systems and Heat Pump with Auxiliary Heat

No.	Description	Each
HWTH6220D1002	Non-programmable Standard Display	$132.58
HWTH6220D1028	Non-programmable Large Display	$140.00

7 Day Programmable
Vision PRO 8000

The VisionPRO Touchscreen Universal Programmable Thermostats

7 Day Multiple Day Programming or Non-Programmable
Dual Powered: Battery or Hardwire - 24 Vac, 750 mV
1 Heat / 1 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat
Can add an outdoor or remote room sensor

No.	Description	Each
HWTH8110U1003	7 Day programmable	$248.24

7 Day Programmable
Vision PRO 8000
Touchscreen

The VisionPRO Touchscreen Universal Programmable Thermostats

7 Day Multiple Day Programming or Non-Programmable
Dual Powered: Battery or Hardwire - 24 Vac, 750 mV
3 Heat / 2 Cool
Conventional Systems and Heat Pumps with No Auxiliary Heat
Can add an outdoor or remote room sensor

No.	Description	Each
HWTH8320U1008	7 Day programmable	$281.08

Backplate

Used with VisionPRO® 8000 Series Thermostats
Coverplate is 7-7/8" x 5-1/2"

No.	Description	Each
HW32003796001	Backplate	$16.24

Outdoor Remote Sensor

Remote outdoor temperature sensor displays current temperature.
Temperature Range, Ambient (F) -40 F to +120 F
Used with VisionPRO® Series Thermostats, VisionPRO® IAQ Thermostat

No.	Description	Each
HWC7089U1006	Outdoor Remote Sensor	$38.12

Indoor Remote Sensor

The Remote Indoor Temperature Sensor is used to sense temperature remotely.
Temperature Range, Ambient (F) 45 F to 88 F
Used with VisionPRO® Series Thermostats, VisionPRO® IAQ Thermostat

No.	Description	Each
HWC7189U1005	Indoor Remote Sensor	$43.92

7 Day Programmable
Vision PRO 7000
Commercial

The COMMERCIALPRO(R) 7000 Programmable Thermostat

Up to 3 Heat/2 Cool Heat Pump
Up to 2 Heat/2 Cool Conventional
Dual Powered: Battery or Hardwire - 24 Vac
Gas, oil, electric and heat pumps
Can add an outdoor or remote room sensor

No.	Description	Each
HWTB7220U1012	7 Day programmable	$299.80

7 Day Programmable
Vision PRO 8000
Touchscreen
Commercial

The TB8220 Commercial VisionPRO 8000 Touchscreen Programmable Thermostat

Up to 3 Heat/2 Cool Heat Pump
Up to 2 Heat/2 Cool Conventional
Dual Powered: Battery or Hardwire - 24 Vac
Gas, oil, electric and heat pumps
Can add an outdoor or remote room sensor

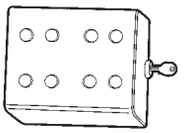
No.	Description	Each
HWTB8220U1003	7 Day programmable	$331.28

Backplate

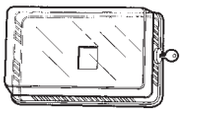
The COMMERCIALPRO(R) 7000 Programmable Thermostat Includes one medium and one large coverplate, bracket for j-boxes and mounting hardware.
Medium coverplate is 5" x 6" Large coverplate is 6" x 8-5/16"

No.	Description	Each
HW50002883001	Backplate	$17.20

Thermostat Guards



Metal



Plastic

Thermostat Guards cover wall thermostats and protect against tampering, damage and unauthorized adjustment of thermostat settings.

HWTG511A1000 dimensions: 7-1/2" x 6-1/2" x 2-15/16"
HWTG512A1009 dimensions: 9-3/4" x 7-1/4" x 3-3/8"
01557 dimensions: 5-1/4" x 4-5/8" x 3-1/4"
73792 dimensions: 8-1/8" x 4-5/8" x 3-5/8"
73791 dimensions: 6-5/8" x 4-1/2" x 3-3/8"

No.	Description	Each
HWTG511A1000	Plastic Thermostat guard	$35.80
HWTG512A1009	Plastic Thermostat guard	$37.22
01557	Plastic Thermostat guard	$21.96
73792	Plastic Thermostat guard	$22.60
73791	Metal Thermostat guard	$36.26

Carbon Dioxide Sensor with LCD Display

Features
- Non-Dispersion-Infrared (NDIR) technology used to measure carbon dioxide gas.
- SPST relay output.
- Used for CO2 based ventilation control (Demand Control Ventilation (DCV)).
- Wall Mount
- Carbon Dioxide Range 0 to 2000 ppm, adjustable
- 24 Vac/dc ±20%,
- Operating range 32 F to 122 F

No.	Description	Each
HWC7232A1008	CO2 Sensor with display	$522.72

Carbon Dioxide Sensor No Display

Features
- Non-Dispersion-Infrared (NDIR) technology used to measure carbon dioxide gas.
- SPST relay output.
- Used for CO2 based ventilation control (Demand Control Ventilation (DCV)).
- Wall Mount
- Carbon Dioxide Range 0 to 2000 ppm, adjustable
- 24 Vac/dc ±20%,
- Operating range 32 F to 122 F

No.	Description	Each
HWC7232A1016	CO2 Sensor; No Display	$507.98

Carbon Dioxide Sensor Duct Mount with Display

Features
- Non-Dispersion-Infrared (NDIR) technology used to measure carbon dioxide gas.
- SPST relay output.
- Used for CO2 based ventilation control (Demand Control Ventilation (DCV)).
- Duct Mount
- Carbon Dioxide Range 0 to 2000 ppm, adjustable
- 24 Vac/dc ±20%,
- Operating range 32 F to 122 F

No.	Description	Each
HWC7232B1006	CO2 Sensor with display	$625.62

Wireless Thermostat Kit RedLINK™ Enabled 5 + 2 Day Programmable

- WIRELESS FOCUSPRO® THERMOSTAT: Same great features of the FocusPRO® thermostat - now wireless. Installs in minutes.
- RETURN AIR SENSOR: Works with the Equipment Interface Module to maintain safe indoor temperatures if power is lost at the wireless thermostat. Maintains 62 F for heating and 82 F for cooling.

5 + 2 Day programmable
Thermostat is battery powered
Equipment intrface is 24V powered
2 Heat / 2 Cool
Conventional Systems and Heat Pump with Auxiliary Heat

No.	Description	Each
HWYTH6320R1001	Wireless Focus PRO	$380.54

VisionPRO IAQ Touchscreen Kit

TheVisionPRO IAQ touchscreen universal programmable thermostat

Features
- 7 Day Programming or Non- Programmable
- 24 Volts
- Communicating
- 3 Heat / 2 Cool
- Conventional Systems and Heat Pumps with Auxiliary Heat

Humidification Range 10 to 60% RH.
Dehumidification Range 40 to 80% RH.

Includes: Equipment interface module and outdoor air sensor

No.	Description	Each
HWYTH9421C1010	VisionPRO IAQ touchscreen	$463.62

VisionPRO IAQ Touchscreen

VisionPRO IAQ Touchscreen 7-Day Programmable Thermostat.
Total Home Comfort System with Temperature, Humidification, Dehumidification and Ventilation Control

7 Day Multiple Day Programming or Non-Programmable
Dual Powered: Battery or Hardwire - 24 Vac, 750 mV
3 Heat / 2 Cool
Conventional Systems and Heat Pumps
Can add an outdoor, discharge or remote room sensor

No.	Description	Each
HWTH9421C1004	VisionPRO IAQ touchscreen	$343.42

70 Series
Non-Programmable
Battery Powered

Residential Single Stage. 70 Series are the Perfect Upgrade from Mechanical Thermostats. 70 Series Will Cover Wall Marks Left by Most Mechanical Thermostats Without the Need for an Extra Wall Plate. Set Point Range 45 to 90°F Compatible with Heat Pump, Gas / Electric Heat, Millivolt.
1 Stage Heat / Cool

Features:
- Fossil fuel or electric heat compatible.
- Large LCD with backlight.
- Selectable Celsius or Fahrenheit temperature display.
- Includes B/O terminals.
- Electronic accuracy.

Model No. 1F78-144

No.	Description	Each
WHR1F78144	Non-Programmable	$64.04

70 Series
5 + 2 Day Programmable
Battery Powered

Residential Single Stage. 70 Series are the Perfect Upgrade from Mechanical Thermostats. 70 Series Will Cover Wall Marks Left by Most Mechanical Thermostats Without the Need for an Extra Wall Plate. Set Point Range 45 to 90°F Compatible Heat Pump, Gas / Electric Heat, Millivolt.
1 Stage Heat / Cool

Features:
- Fossil fuel or electric heat compatible.
- Large LCD with backlight.
- Selectable Celsius or Fahrenheit temperature display.
- Includes B/O terminals.
- Electronic accuracy.

Model No. 1F78-151

No.	Description	Each
WHR1F78151	5 + 2 Day Programmable	$71.16

80 Series
5 + 2 Programmable
24V / Battery Powered

Residential and Light Commercial. 80 Series Standard Thermostats are Packed with Premium Features. Set Point Range 45 to 90°F Compatible with Heat Pump, Gas / Electric Heat, Millivolt.
1 Stage Heat / Cool

Features:
- Choice of battery powered, dual power or hardwired models.
- 60% larger LCD with backlight.

Model No. 1F80-0261

No.	Description	Each
WHR1F800261	5+2 Day Programmable	$119.28

80 Series
7 Day Programmable
24V / Battery Powered
Universal

Residential and Light Commercial. 80 Series Standard Thermostats are Packed with Premium Features. Set Point Range
45 to 90°F. Auto-changeover, Energy Management Recovery, Energy Star, Lighted Display
Compatible with Heat Pump,
Gas / Electric Heat, Millivolt, Multi-Stage.
2 Stage Heat / Cool

Features:
- Choice of battery powered, dual power or hardwired models.
- 60% larger LCD with backlight.

Model No. 1F85-277

No.	Description	Each
WHR1F85277	7 Day Programmable	$175.38

80 Series
Non-Programmable
24V / Battery Powered

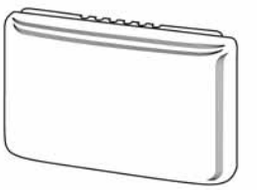
Residential and Light Commercial. 80 Series Standard Thermostats are Packed with Premium Features. Set Point Range 45 to 90°F Compatible with Heat Pump, Gas / Electric Heat, Millivolt.
1 Stage Heat / Cool

Features:
- Choice of battery powered, dual power or hardwired models.
- 60% larger LCD with backlight.

Model No. 1F86-0344

No.	Description	Each
WHR1F860344	Non-Programmable	$69.74

Remote Sensor



Compatible with all White Rodgers 90 Series thermostats with indoor remote sensor compatability.

Operating Range 40 F to 99 F

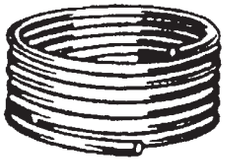
No.	Description	Each
WHRF1451328	Indoor Remote Sensor	$45.50

Backplates

F61-2634 Fits: All 1F80 and 1F90 series thermostats, blue series
F61-2500 Fits: All 1F80 series thermostats, except for the blue series
F61-2300 Fits: All 1F90 series thermostats, except for the blue series

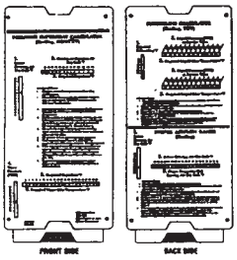
No.	Description	Each
WHRF612634	Back Plate 6-1/2" x 5"	$9.20
WHRF612500	Back Plate 7-5/8" x 4-3/4"	$13.18
WHRF612300	Back Plate 7-1/4" x 5-1/2"	$24.92

Polyvinyl Drain Tube



No.	ID	Ft. Per Reel	Each
49335	3/8"	100 Ft.	$24.24
49336	1/2"	100 Ft.	$34.90
49337	5/8"	100 Ft.	$49.20

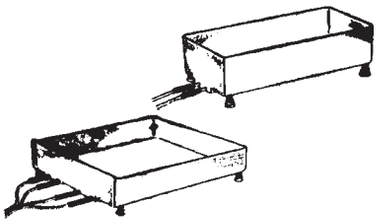
Superheat Calculator



The refrigerant charge for a split system or package unit should be checked by following the instructions given in the service literature for the unit. For units that use R-22 or R-410A refrigerants, the charge can be checked by using a superheat or subcooling method and a related aid called a Required Superheat/Subcooling Calculator. The superheat method is used for checking the charge in systems equipped with fixed-orifice metering devices. The subcooling method is used for systems equipped with a thermostatic expansion valve (TXV). Complete instructions forming both methods are printed on the calculator.

No.	Description	Each
020-434	GT24-01 for R-22	$12.68
020-517	GT58-01 for R-410A	$12.68

Condensation Drain Pans



Heating element in bottom of drain pan which works to evaporate condensation water. These models will evaporate approximately 8-oz. of water per hour.

No.	Dimensions	Volts	Oz. Cap	Each
60510	10"x4"x2-7/8"	120	38	$70.58
60512	10"x9"x2-3/4"	120	75	$194.74

Condensate Neutralizer

Condensate Neutralizer

3/4" slip PVC fittings

No.	Description	Each
MUN1100	Condensate Neutralizer	$115.00

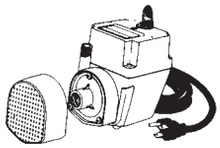
ClearVue Condensate Pump

Features
- Floatless Sensor TM Technology
- Clear Tank
- Molded Silicone Rubber Feet
- LED Indicator Lights
- Push Button Drain
- Stainless Steel Hang Tabs

115 V
0-22 ft Variable Left

No.	Description	Each
IQP120	Clear Vue Pump	$107.50

Little Giant Condensate Pump



A compact recirculating pump for use as a small low pressure, high volume pump. Made of die cast aluminum treated with a baked on coating to prevent corrosion. Sealed in motor windings, protected from the liquid, holds enough oil for the life of the pump. Pump may be totally submerged or if standing in liquid will pick up within 1/2". Used for evaporative coolers, to remove condensate, as small sump pump, for milk coolers, etc. Pumps will not operate dry and must be mounted so that they are always flooded. 60C, AC. Supplied with nylon head and 6 ft. cord and plug.

No.	Cap. Gal. Per Hour At Head Of 4 ft.	6 ft.	8 ft.	10 ft.	Ht.	Size Base
70980	91	115	72	28	4-1/2"	3-1/2"x4-3/4"

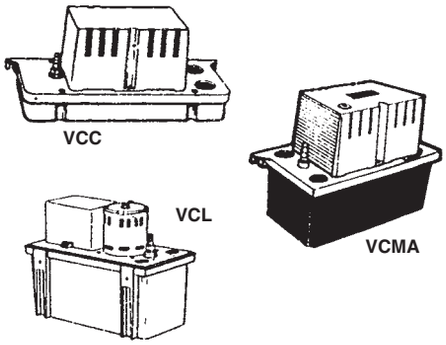
With Hooded Pick-Up

No.	Shut Off Head	Watts	H.P.	Volts	Each
70980	11 Ft.	40	1/150	110	$164.72

With Female Iron Pipe Thread Intake

No.	FIPT	Shut Off Head	Watts	Volts	H.P.	Each
70984	3/8"	11 Ft.	40	110	1/150	$150.00

Little Giant Condensate Units



Model	Dimensions H	L	W
VCC	5-1/8	12	5
VCMA	7	9-1/4	4-1/2
VCL-14	9-3/4	12	6
VCL-24	10-1/2	12	6

Units are leakproof, rustproof, high-impact polystyrene tank. ABS motor and tank cover, volute and impeller, stainless steel shaft. Thermal overload protection. VCC and VCMA models have built-in check valves.

VCC-20ULS model is low profile, compact size for limited-space installations. Pump engages in 1" of water, and disengages in .45" of water. Includes safety switch and check valve.

VCMA-15UL model pump engages in 2.40" of water and disengages in 1.25" of water. With check valve.

VCMA-15ULS is same as VCMA-15UL. ULS has a safety switch.

VCMA-20ULS is same as VCM-15UL with greater pumping capacity. Unit has safety switch and check valve.

VCL-24UL model pump engages in 3.56" of water and disengages in 2.6" of water. No safety switch of check valve.

VCL-24ULS is same as VCL-24UL with safety switch.

No.	Model	Volts	GPH 5'	GPH 9'	Shut Off	Each
71034	VCC-20ULS	115	70	55	20'	$119.00
71037	VCMA-15ULS	115	50	30	15	$94.32
71033	VCMA-15UL	115	50	30	15'	$87.48
71002	VCMA-20ULS	230	70	55	20'	$106.68
71001	VCL-14ULS	115	170	125	14'	$165.34
71003	VCL-24UL	115	250	210	24'	$165.34
71031	VCL-24VLS	115	250	200	24'	$193.52
71004	VCL-24ULS	230	250	210	24'	$193.34

GPH rates shown are with Check Valve.

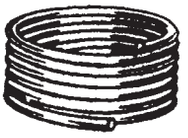
Accessory

No.	Description	Each
599123	Overflow Safety with 72" Leads	$17.98

Replacement Check Valves

71035	CV-14/24	1/4" MNPT to 3/8 OD rigid plastic or copper	$9.98
71036	CV-10	1/4" MNPT to 3/8 OD vinyl tubing	$8.86

Polyvinyl Drain Tube

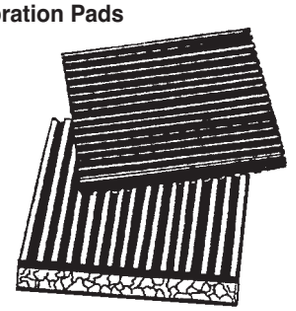


No.	ID	Ft. per Reel	Each
49335	3/8"	100 ft.	$27.68
49336	1/2"	100 ft.	$37.30
49337	5/8"	100 ft.	$45.16

Open Mesh Plumbers Roll

No.	Description	Each
32145	1-1/2" x 10 yard	$15.72

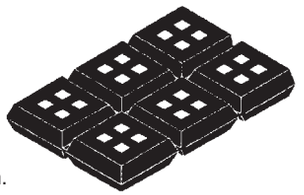
Anti Vibration Pads



To prolong machine life, reduce machine cost and dampen vibration. Resists water, aging oil and compression set. Recommended maximm load per square inch is 50 lbs.

No.	Description	Each
28385	2" x 2" x 7/8" Cork/Rubber	$1.08

Waffle Vibration Pad



To prolong life, reduce machine cost, and dampen vibration.

Resists water, aging oil, and compression set.

Waffle pads are rubber.

No.	Description	Each
06108	Waffle Pad	$1.30

Electrical Tape

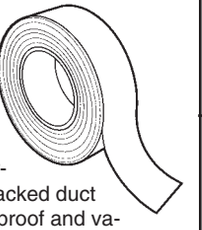
No.	Size	Each
03198	3/4" x 66 ft.	$2.12

Black Duct Tape

Pressure sensitive waterproof polyethylene impregnated cotton back tape to match Dri-Cel insulation. Used in place of cement to join the Dri-Cel ends of tubing and seal out moisture.

No.	Description	Each
29875	Black Tape	$27.00

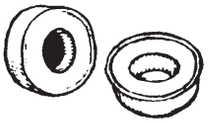
Aluminum Foil Duct Tape



This aluminum foil is 2 mil thick with a high tack adhesive. Dead soft to easily conform to seal fiberglass ducts or aluminum backed duct insulation materials. Waterproof and vaporproof with great bonding ability. Makes a permanent seal.

No.	Description	Each
29870	Aluminum Tape	$19.58
29872	Foil Tape: UL 181A-P and 181B-FX Listed	$29.40
29873	Foil Tape: UL 181B-FX List	$20.48

Teflon Tape



Permacel Teflon ribbon dope thread sealant is made of DuPont's pure Teflon. It may be stretched around any make threaded pipe or fitting to make a high pressure sealed joint. Because it is self-lubricating joints sealed with ribbon dope may be easily taken apart and reassembled. Seals from -450°F to 500°F.

No.	Size	Each
29840	1/2" x 260"	$1.04
29842	1/2" x 520" (4 Pack)	$6.40

Duct Tape

Pressure sensitive waterproof cloth duct tape vinyl impregnated and coated in a silver aluminum matching color. Used for sealing duct joints, air conditioning, cabinets, blower pipes, air vents, pipe and duct insulation, etc. Meets government spec. PPT60. Type III Class I.

No.	Description	Each
27750	Foil Tape	$25.62
29874	Duct Tape; UL 181B-FX List	$32.48

Black Flashing Cement

Flashing Cement Compound

1 Gallon

No.	Description	Each
MSCBF1	Flashing Cement	$46.76

Furnace Cement

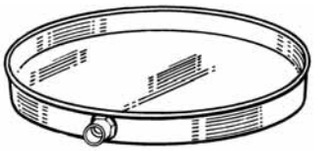
Easy spreading cement which will adhere to metal, wood, stone, or brick.

For temperatures up to 3000° F.

1 Gallon

No.	Description	Each
MSCHT1	Furnace Cement	$68.80

Round Metal Pans

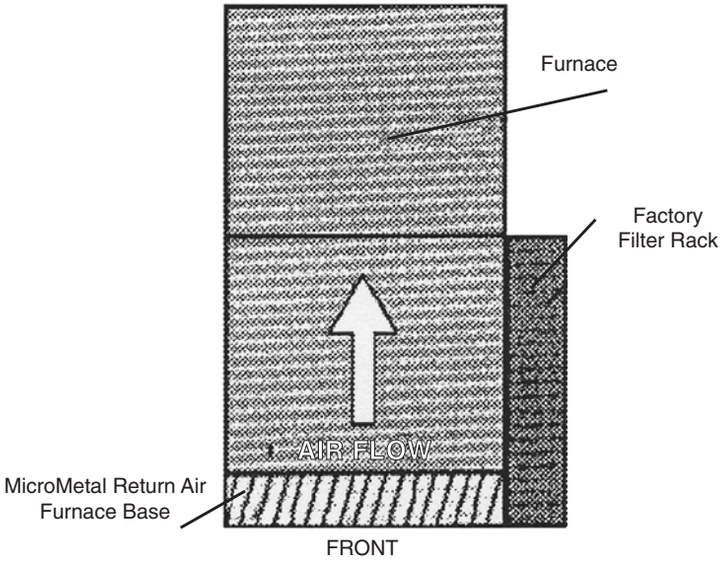


Features

- Exposed edges have been rolled to protect the installer from injury.
- Pans are pre-drilled to accept the following furnished fittings.
- Recommended for gas or electric water heaters.
- All the pans come with a 1" PVC fitting

No.	Description	Each
OAT34152	22" Round Pan	$37.52
OAT34153	24" Round Pan	$39.98
OAT34154	26" Round Pan	$55.82
OAT34085	30" Round Pan	$57.72

Return Air Furnace Base use with Media Filter Cabinet



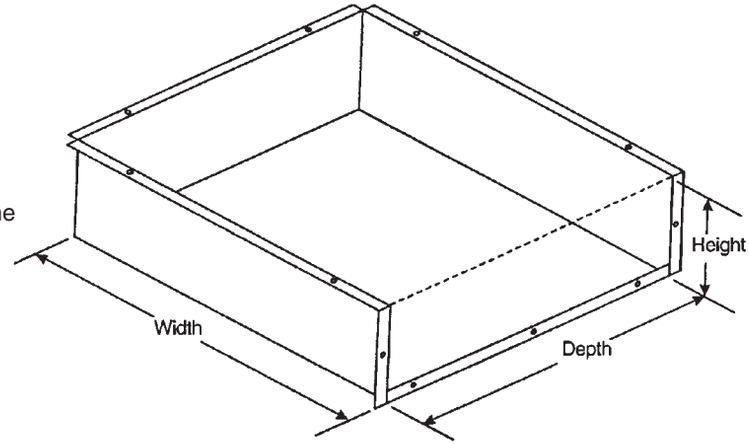
FEATURES:

- Constructed of galvanized steel
- Prepunched assembly holes
- Ships knocked down

The MicroMetl Return Air Furnace Base allows the 20" and 24" media filter cabinets to attach directly to the side of an 80% and 90% furnace.

It allows more airflow in the larger airflow size furnaces. In addition, the bottom and side return airflow rates can be used from airflow table.

NOTE:
Mount the Return Air Furnace Base flush to the filter side of the furnace.



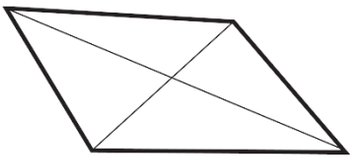
80% Furnace 33" High

Part No.	Casing Used Width	Depth	Width	Height
MMRAFB8033016614	14.25 in.	13.4 in.	22.60 in.	6 in.
MMRAFB8033016617	17.50 in.	16.7 in.	22.60 in.	6 in.
MMRAFB8033020421	21 in.	20.2 in.	22.60 in.	4 in.
MMRAFB8033020621	21 in.	20.2 in.	22.60 in.	6 in.
MMRAFB8033020821	21 in.	20.2 in.	22.60 in.	8 in.
MMRAFB8033024624	24.5 in.	23.8 in.	22.60 in.	6 in.
MMRAFB8033024824	24.5 in.	23.8 in.	22.60 in.	8 in.

90% Furnace 40" High

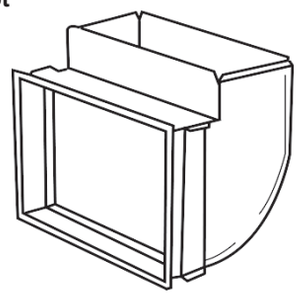
Part No.	Casing Used Width	Depth	Width	Height
MMRAFB9040020421	21 in.	20.2 in.	24.25 in.	4 in.
MMRAFB9040020821	21 in.	20.2 in.	24.25 in.	6 in.
MMRAFB9040024824	24.5 in.	23.8 in.	24.25 in.	8 in.

Sheet



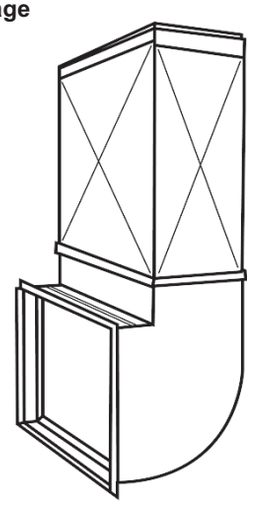
No.	Gauge	Size	Each
SHM36x96	28	36" x 96'	$32.00

Return Air Boot



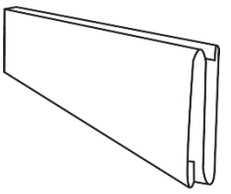
No.	Duct	Filter	Each
SHMRAB2010	10" x 20"	16" x 20"	$96.04

Return Air Package



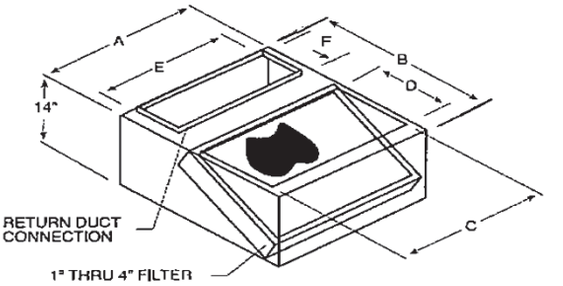
No.	Duct	Filter	Each
SHMRAP2010	10" x 20"	16" x 20"	$190.86

S Cleat



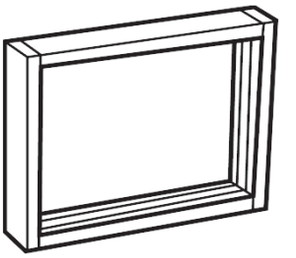
No.	Size	Description	Each
SHMDSS5	5'	28 Ga "S" Cleat	$2.62

Filter Base



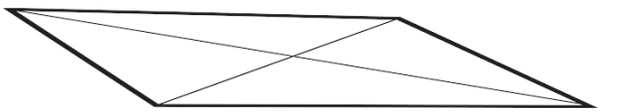
No.	Filter Size	A	B	C	D	E	F
LS2832	20" x 25"	28-1/2"	32"	26-1/2"	13-1/2	24"	8"
LS2840	24" X 24"	28-1/2"	40"	26-1/2"	19"	24"	10"

Filter Frame



No.	Description	Each
SHMFF11620	16" x 20" x 1"	$18.00
SHMFF11625	16" x 25" x 1"	$18.00

Plenum Sides



No.	Size	Description	Each
SHMPS1648	16" x 48"	Plenum Side	$25.48
SHMPS1848	18" x 48"	Plenum Side	$27.67
SHMPS2048	20" x 48"	Plenum Side	$28.66
SHMPS2448	24" x 48"	Plenum Side	$32.94

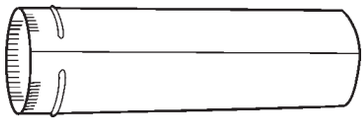
Drive Cleat

No.	Size	Description	Each
SHMDS5	5'	Drive Strap	$2.00
SHMDS8	8"	Drive Cleat	$2.00

Start Collar

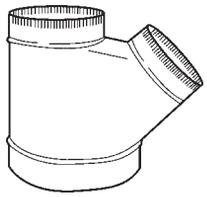
No.	Size	Description	Each
SHMSC6	6"	Start Collar	$2.00

Piped Box



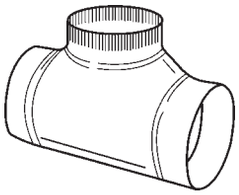
No.	Size	Description	Each
SHMP32	3" x 2'	26 Ga Pipe Boxed	$5.20
SHMP42	4" x 2'	26 Ga Pipe Boxed	$5.92
SHMP52	5" x 2'	26 Ga Pipe Boxed	$7.34
SHMP62	6" x 2'	26 Ga Pipe Boxed	$7.76
SHMP72	7" x 2'	26 Ga Pipe Boxed	$9.86
SHMP82	8" x 2'	26 Ga Pipe Boxed	$11.82

Wye



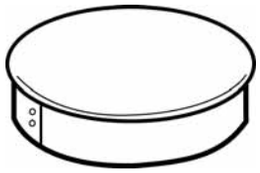
No.	Size	Description	Each
SHMW543	5" x 4" x 3"	H.W. Wye	$13.34
SHMW544	5" x 4" x 4"	H.W. Wye	$13.34
SHMW643	6" x 4" x 3"	H.W. Wye	$13.34
SHMW653	6" x 5" x 3"	H.W. Wye	$13.94
SHMW654	6" x 5" x 4"	H.W. Wye	$15.34
SHMW663	6" x 6" x 3"	H.W. Wye	$15.34

Tee



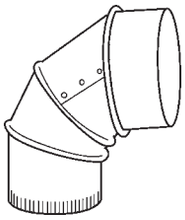
No.	Size	Description	Each
SHMT6	6"	Tee	$17.46
SHMT8	8"	Tee	$19.40

End Cap



No.	Size	Description	Each
SHMC4	4"	End Cap	$6.72
SHMC5	5"	End Cap	$7.34
SHMC6	6"	End Cap	$7.34
SHMC7	7"	End Cap	$8.00
SHMC8	8"	End Cap	$8.68

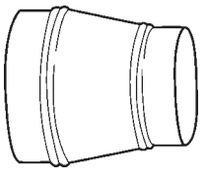
Elbow



No.	Gauge	Size	Each
SHME3	26	3"	$3.70
SHME4	26	4"	$3.94
SHME5	26	5"	$4.60
SHME6	26	6"	$4.78
SHME7	26	7"	$5.92
SHME8	26	8"	$7.22

Tapered Reducer

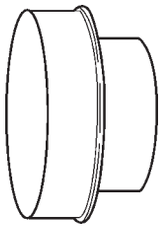
Non-Crimped



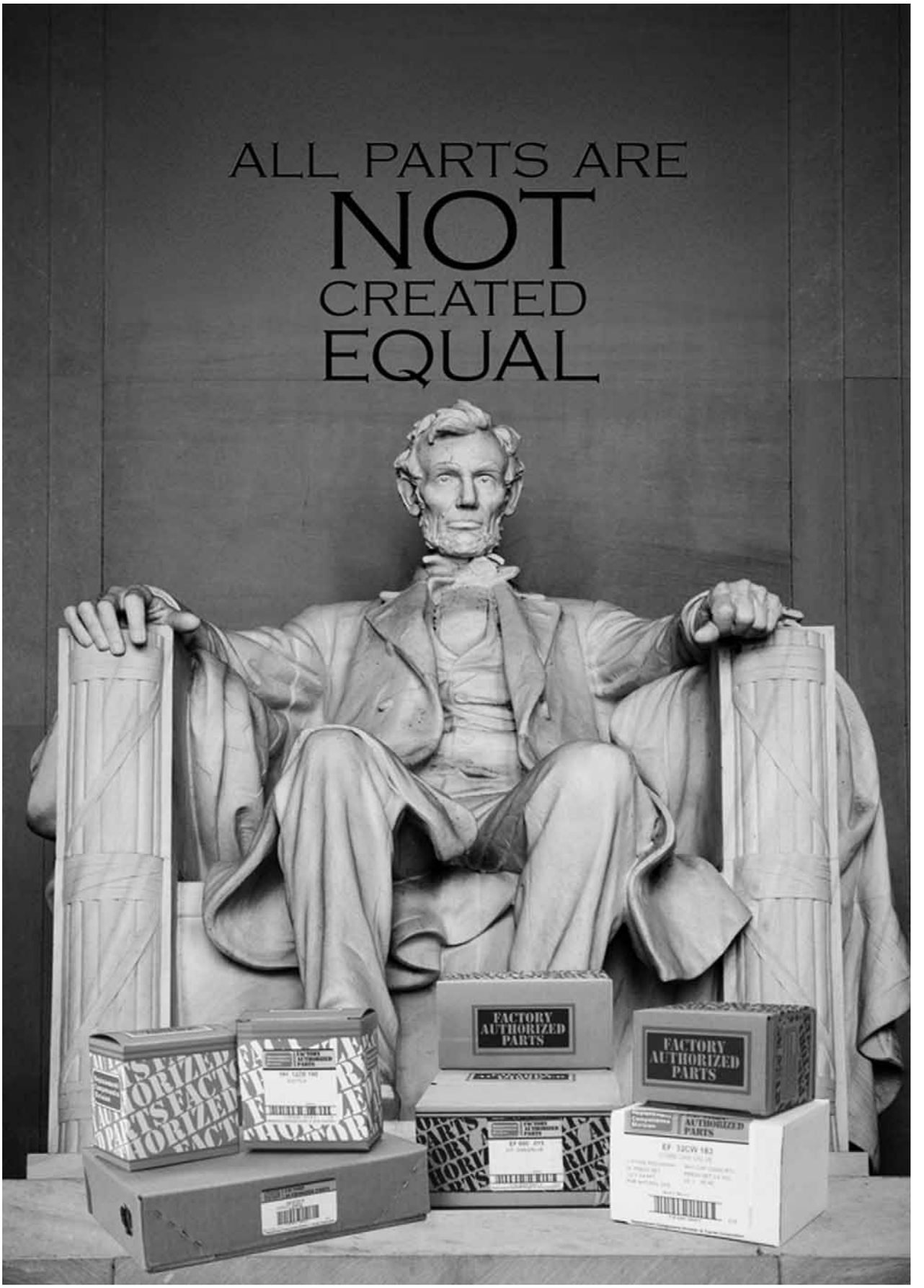
No.	Size	Description	Each
SHMR43	4" x 3"	Tapered Reducer	$7.72
SHMR53	5" x 3"	Tapered Reducer	$7.82
SHMR54	5" x 4"	Tapered Reducer	$8.66
SHMR63	6" x 3"	Tapered Reducer	$8.20
SHMR64	6" x 4"	Tapered Reducer	$8.20
SHMR65	6" x 5"	Tapered Reducer	$8.32
SHMR74	7" x 4"	Tapered Reducer	$9.26
SHMR75	7" x 5"	Tapered Reducer	$9.18
SHMR76	7" x 6"	Tapered Reducer	$9.44
SHMR86	8" x 6"	Tapered Reducer	$9.72
SHMR87	8" x 7"	Tapered Reducer	$9.86

Reducer Cap

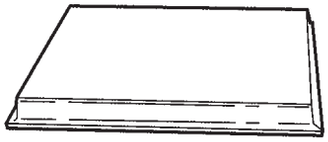
Non-Crimped



No.	Size	Description	Each
SHMRC43	4" x 3"	Reducer Cap	$11.20
SHMRC53	5" x 3"	Reducer Cap	$11.24
SHMRC54	5" x 4"	Reducer Cap	$11.24
SHMRC64	6" x 4"	Reducer Cap	$8.00
SHMRC86	8" x 6"	Reducer Cap	$10.14

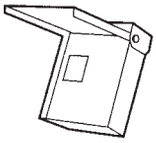

ALL PARTS ARE
NOT
CREATED
EQUAL
FACTORY AUTHORIZED PARTS
FACTORY AUTHORIZED PARTS
AUTHORIZED PARTS

Equipment Pads
Duragrid



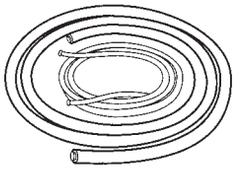
No.	Width	Length	Height	Each
09730	18"	36"	2"	$44.46
09724	24"	42"	2"	$46.98
09720	30"	30"	2"	$40.78
09727	32"	32"	2"	$46.80
09726	33"	38"	2"	$79.06
09728	36"	36"	2"	$56.66

Disconnects



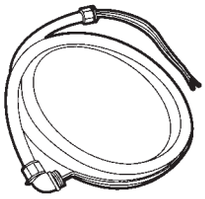
No.	Amps	Description	Each
38673	60	Non-Fused	$21.58

Line Sets



No.	Size	Length	Each
38x5815ft	3/8 x 5/8	15 ft	PLEASE CALL FOR PRICES
38x5825ft	3/8 x 5/8	25 ft	
38x5850ft	3/8 x 5/8	50 ft	
38x3415ft	3/8 x 3/4	15 ft	
38x3425ft	3/8 x 3/4	25 ft	
38x3450ft	3/8 x 3/4	50 ft	
38x7815ft	3/8 x 7/8	15 ft	
38x7825ft	3/8 x 7/8	25 ft	
38x7850ft	3/8 x 7/8	50 ft	
38x11815ft	3/8 x 1-1/8	15 ft	
38x11825ft	3/8 x 1-1/8	25 ft	
38x11850ft	3/8 x 1-1/8	50 ft	

Whips
Non-Metallic



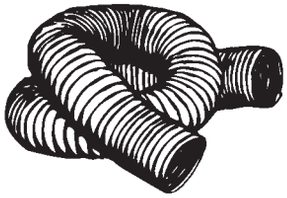
No.	Description	Each
38667	4 ft. x 1/2" Whips	$18.54
38664	6 ft. x 1/2" Whips	$21.94
38665	4 ft. x 3/4" Whips	$25.86
38669	6 ft. x 3/4" Whips	$29.34

A/C Wall Mounting Bracket

Heavy duty engineered steel A/C brackets are used for mounting A/C condensers on vertical walls. Brackets include mounting holes and are finished in a durable gray powder coat.

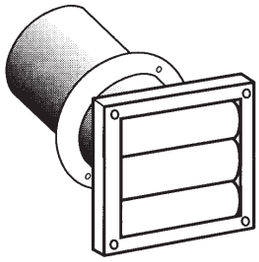
No.	Description	Each
93632	42" A/C Bracket	$65.44

Semi-Rigid Flexible
Aluminum Duct



No.	Description	Each
DEFA048	4" x 8 ft. Flexible Duct	$18.40

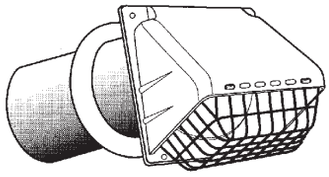
Louvered Vent Hood



Includes: Hood, Aluminum Pipe and Collar.

No.	Description	Each
DEFSVHUB4	4" Brown Vent Hood	$7.72
DEFSVHUW4	4" White Vent Hood	$7.72

Dryer Vent Wide
Mouth Hood



Includes: Hood, Aluminum Pipe and Collar.

No.	Description	Each
DEFRVHUW4	4" White Wide Hood	$9.04