Central Boiler

Heating Accessories and Parts Catalog

To place an order use the dealer locator on our website:

www.centralboiler.com

or call for nearest dealer:

1-800-248-4681 or 218-782-2575

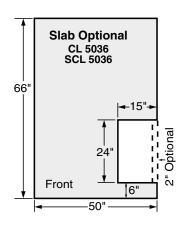
DIMENSIONS AND MEASUREMENTS

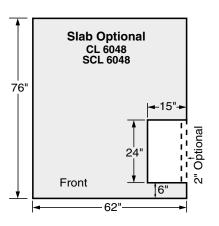
Foundation* Dimensions

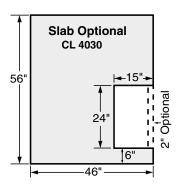
Slab Required CL 7260 Pallet Burner Front Front 73"

CAUTION Do not use any combustible materials for the foundation.

NOTE: All dimensions are in inches.

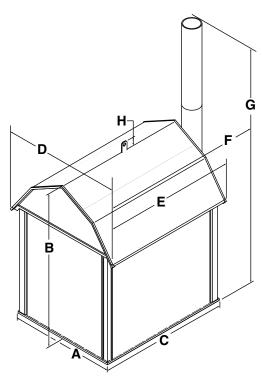






Furnace must be installed on a non-combustible surface or foundation that incorporates an enclosure that will prevent supply and return lines from possible exposure to sunlight, fire, or physical damage that may be caused by an occurrence outside the furnace enclosure. Foundation may consist of concrete, crushed rock, or patio blocks.

* Foundations dimensions are 3 in. larger than the furnace. When the furnace is centered on the foundation, 1-1/2 in. of foundation will be present on all sides of the furnace.



	urna	ce M	easur	emer	nts			
	Α	В	С	D	E	F	G	Н
CL 4030	43"	72"	53"	52"	54"	65"	*142"	5"
CL 5036 & SCL 5036	47"	80"	63"	54"	64"	75"	*149"	5"
CL 6048 & SCL 6048	59"	95	73"	69"	74"	85"	*161"	5"
CL 7260 & Pallet Burner	70"	99"	88"	82"	91"	104"	*212"	5"

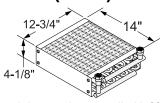
^{*} Measurement (G) includes a standard 96" Chimney.

TABLE OF CONTENTS

Dimensions and Measurements		Inside Front Cover
		2-3
-		
Insulation Manifolds and Water to Water		5
Connections, Filter and 1-1/4" PEX Pipe		
		9
	-	
Maintenance and Replacement Products		
Definitions and Color Codes		
System Diagrams		
<u>'</u>		
	ALPHABETICAL INDEX	
2-Way Zone Valve	Door Lock Kit	PEX Crimp Ring
24-Volt Transformer	Door Seal Rope	PEX Steel Clamp Crimp Ring5
3-Way Valve	Double Wall Side-Arm Heat Exchanger	PEX Tee 5 PEX Pipe Cutter 5
45° Street Elbow	Drain Coupling, Copper Pipe	Photoelectric Eye
90° Elbow, Copper Pipe 10 90° Reducing Elbow, Copper Pipe 10 90° Street Elbow 8	Fan Center Relay	Pipe Plug
90° Street Elbow	Female Adapter, Copper Pipe	Plate Mounting Bracket 6 Plug-In Thermostat 9
Adjustable Aquastat, Immersible	Fin Comb	Pool Aquastat 9
Air Handler Cabinet	Fixed Aquastat, 185°F	Power Supply Cord
Ash Rake	Fuse & Socket	Pump Flange Kits
Ash Shovel	Fuse Holder & Fuses	Recessed Wall Hydronic Heater
Automatic Vent Valve	Grounding Rod Kit 13 Heat Exchanger Coil (100k Btu) 2 Heat Exchanger Coil (125k Btu) 2	Reducer, Copper Pipe
Ball Valve	Heat Exchanger Coil (125k Btu)	Selector Switch
Baseboard End Cap	Heat Exchanger Coil (140k Btu). 2 Heat Exchanger Coil (185k Btu). 2 Heat Exchanger Coil (220k Btu). 2	Side-Arm Heat Exchanger Kit
Baseboard, Complete	Heat Exchanger Coil (50k Btu)	Sludge Conditioner
Black Silicone Adhesive, High Temperature 12 Blower & Motor	Heat Exchanger Coil (80k Btu)	Solder & Soldering Flux
Brass Ball Valve	Heat Exchanger Mounting Kit	Space Heater Cabinet (50k Btu)
Brass Coupling	Heat Exchangers, Shell & Tube 6, 7 Hex Bushing	Space Heater (140k Btù)
Brass Elbow	High Limit Switch/Snap Disc	Stainless Steel Chimney Sections
Brass Hex Bushing Brass Hose Bib 7	Hoe 11 Hose Clamp, 1"	Suspended Space Heater (100k Btu)
Brass Male Adapter	Hot Filter & Cartridge	Suspended Space Heater (220k Btu)
Brass Offset Tee, 4"	Isolation Flange Kit. 1-1/4"4	Taco Pumps - 006 Series
Brass Swing Check Valve	Kickspace Hydronic Heaters	Taco Pumps - 007 Series
Central PFX® 1" Pine 5	Lens & Light Bulb	Tee. 3/4" NPT
Central PEX 1/2" Pipe 5 Central Therm® Sleeve Dispenser 6	Light Switch	Tee, Copper Pipe
Central Therm® Sleeve Dispenser 6 Central Therm Insulation 6 Central Therm Sleeve 6	Linkage	Temperature Sensing Wire
Chimney Extension	Louvers	ThermoPEX5
Cleaning Brush	Male Adapter, Sweat	ThermoPEX Termination Cap. 5 ThermoPEX Coupling Kit
Chimney Kits and Extension Components 11	Manifold w/o Valves 6	Tile Tape
Contact Block	Manifold w/Valves	Time Delay Relay
Copper End Cap	O-Ring Set	Vent Elbow, Copper Pipe
Corrosion Inhibitor Plus	PEX 1-1/4" Pipe	Wall Mount Hydronic Heaters
Decoiler	PEX Adapters	Water Softener Cartridge
Digital Tomporatare Controller	Oupling	

WATER-TO-AIR HEAT EXCHANGER PRODUCTS

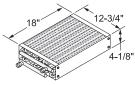
Heat Exchanger Coil (50k Btu)



Water-to-air heat exchanger coil with 90° 3/4" female pipe thread (FPT) outlets. Dimensions: 12-3/4" x 14" x 4-1/8".

p/n Description 287 Heat Exchanger Coil, 50k Btu

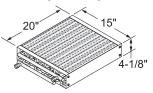
Heat Exchanger Coil (80k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 13" x 18". Dimensions: 12-3/4" x 18" x 4-1/8".

p/n109DescriptionHeat Exchanger Coil, 80k Btu

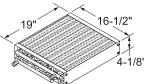
Heat Exchanger Coil (95k Btu)



Water-to-air heat exchanger coils with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 15" x 18". Dimensions: 15" x 20" x 4-1/8".

p/n102DescriptionHeat Exchanger Coil, 95k Btu

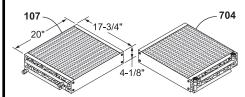
Heat Exchanger Coil (100k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 17" x 18". Dimensions: 16-1/2" x 19" x 4-1/8".

p/n Description106 Heat Exchanger Coil, 100k Btu

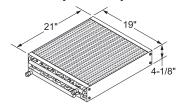
Heat Exchanger Coil (125k Btu)



Water-to-air heat exchanger coil with straight (p/n 107) or 90-degree (p/n 704) 3/4" FPT outlets. Used in forced-air furnaces with plenum size from approximately 18" x 18" to 18" x 20". Dimensions: 17-3/4" x 20" x 4-1/8".

p/n Description
107 Heat Exchanger Coil, 125k Btu, straight outlets
108 Heat Exchanger Coil, 125k Btu, 90° outlets

Heat Exchanger Coil (140k Btu)

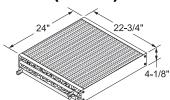


Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 20" x 20". Dimensions: 19" x 21" x 4-1/8".

In Description

No Heat Exchanger Coil, 140k Btu

Heat Exchanger Coil (185k Btu)

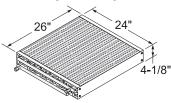


Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 23" x 23". Dimensions: 22-3/4" x 24" x 4-1/8".

o/n Description 110 Heat Exchanger Coil, 185k Btu

Correct Installation The outlet fitting must be located above the inlet fitting. Outlet Heat Exchanger Outlet Fittings Up Fittings Down

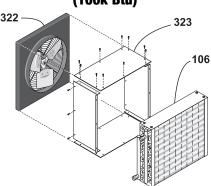
Heat Exchanger Coil (220k Btu)



Water-to-air heat exchanger coil with straight 3/4" FPT outlets. Used in forced-air furnaces with plenum size of approximately 24" x 24". Dimensions: 24" x 26" x 4-1/8".

p/n Description
111 Heat Exchanger Coil, 220k Btu

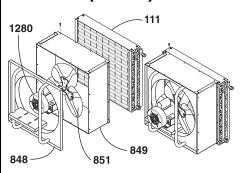
Suspended Space Heater (100k Btu)



Order the following components for a complete Suspended Space Heater (100k Btu). Some assembly required.

p/nDescription322Fan323Transition106Heat Exchanger Coil, 100k Btu

Suspended Space Heater (220k Btu)

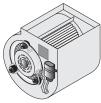


Order the following components for a complete Suspended Space Heater (220k Btu). Some assembly required.

p/n Description
111 Heat Exchanger Coil, 220k Btu
849 Transition
848 Motor Frame
851 Fan Blades
1280 Fan Motor

WATER-TO-AIR HEAT EXCHANGER PRODUCTS

Blower & Motor



Blower & Motor assembly available in different sizes.

p/n	Description
203	Blower & Motor, 1/8-hp
154	Blower & Motor, 1/4-hp
208	Blower & Motor, 1-hp

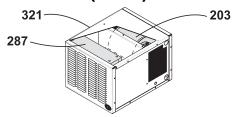
Louvers



Bolt on to the face of the heat exchanger to direct heat downward.

p/n	Description
p/n 355	Louvers, fit Heat Exchanger Coil (p/n 106)
354	Louvers, fit Heat Exchanger Coil (p/n 108)
353	Louvers, fit Heat Exchanger Coil (p/n 111)

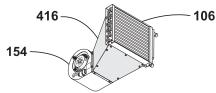
Space Heater Cabinet (50k Btu)



Cabinet for housing 1/8-hp Blower & Motor (p/n 203) and 50k Btu Heat Exchanger Coil (p/n 287). Each sold separately. Some assembly required.

Description Space Heater Cabinet

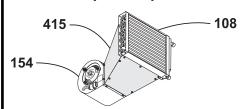
Space Heater (100k Btu)



Order the following components for a Space Heater (100k Btu). Some assembly required.

p/11	Description
416	Transition
154	Blower & Motor, 1/4-hp
106	Heat Exchanger Coil, 100k Btu

Space Heater (140k Btu)

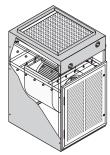


Order the following components for a Space Heater (140k Btu). Some assembly required.

p/n	Description
415	Transition
154	Blower & Motor, 1/4-hp
108	Heat Exchanger Coil, 140k Btu

Description

Air Handler Cabinet



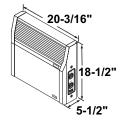
Air Handler Cabinet is available in two sizes. allowing multiple applications from 100k Btu to 220k Btu (refer to the chart below for specific applications). Blower & Motor and Heat Exchanger Coil are sold separately. Air Handler Cabinet door is capable of holding a filter (not included). Some assembly will be required.

NOTE: If utilizing an existing 24-volt thermostat to control blower, a Fan Center Relay (p/n 515) must be used.

Description Air Handler Cabinet (36" x 20" x 23") for heat exchanger coils from 100k-140k Btu and 1/4-hp Blower & Motor

303 Air Handler Cabinet (39" x 25" x 28") for heat exchanger coils from 185k-220k Btu and 1-hp Blower & Motor

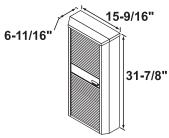
Wall Mount Hydronic Heater



Myson Lo-Line™ LL 6-4 wall mount, fan-forced hydronic heater with thermostat, output of 4,985-6,975 Btu/hr. Dimensions: 20-3/16" x 18-1/2" x 5-1/2".

p/n 6776 Myson Lo-Line LL 6-4 Hydronic Heater

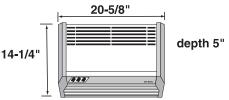
Wall Mount Hydronic Heater



Myson Slim-Line™ SL 60 wall mount, fanforced hydronic heater with thermostat, output of 11,880-15,290 Btu/hr. Dimensions: 15-9/16" x 31-7/8" x 6-11/16".

p/n 6778 Description Myson Slim-Line SL 60 Hydronic Heater

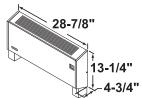
Wall Mount Hydronic Heater



Myson Hi-Line™ HL 7-4 wall mount, fan-forced hydronic heater, output of 3,665-5,155 Btu/hr. Dimensions: 20-5/8" x 14-1/4" x 5".

DescriptionMyson Hi-Line HL 7-4 Hydronic Heater

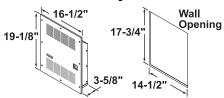
Wall Mount Hydronic Heater



Myson CSU™ 15M wall mount, fan-forced hydronic heater. Output of 7,315-10,330 Btu/hr. Dimensions: 28-7/8" x 13-1/4" x 4-3/4".

Description Myson CSU 15M Hydronic Heater

Recessed Wall Hydronic Heater



Myson Whispa™ II 5000 recessed wall, fanforced hydronic heater, output of 4,225-5,305 Btu/hr. Dimensions: 19-1/8" x 16-1/2" x 3-5/8". Will require a wall opening of 17-3/4" x 14-1/2".

Description

Myson Whispa II 5000 Hydronic Heater

WATER-TO-AIR HEAT EXCHANGER PRODUCTS, PUMPS AND PUMP ACCESSORIES

Floor Hydronic Heater

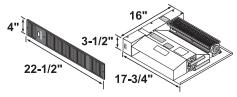


Myson Whispa™ II recessed floor, fan-forced hydronic heater, output of 4,720-5,305 Btu/hr. Dimensions: 14-1/4" x 8-1/4" x 9-7/16". Cover is 9-3/4" x 15-7/8".

p/n Description 6775 Myson Whisi

6775 Myson Whispa II Hydronic Heater

Kickspace Hydronic Heater

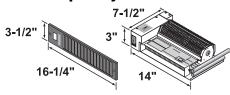


Myson Whispa [™] II Kickspace 9000 fan-forced hydronic heater, output of 9,055-10,875 Btu/hr. Dimensions: 17-3/4" x 16" x 3-1/2". Cover grill is 4" x 22-1/2".

p/n Description

Myson Whispa II Kickspace 9000 Hydronic Heater

Kickspace Hydronic Heater

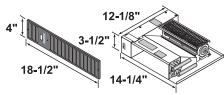


Myson Whispa[™] 50 Kickspace fan-forced hydronic heater, output of 2,760-3,165 Btu/hr. Dimensions: $14" \times 7-1/2" \times 3"$. Cover grill is $3-1/2" \times 16-1/4"$.

p/n Description 6771 Myson Whisp

Myson Whispa 50 Kickspace Hydronic Heater

Kickspace Hydronic Heater



Myson Whispa TM II Kickspace 5000 fan-forced hydronic heater, output of 4,730-6,185 Btu/hr. Dimensions: 14-1/4" x 12-1/8" x 3-1/2". Cover grill is 4" x 18-1/2".

p/n Description 6780 Myson Whist

Myson Whispa II Kickspace 5000

Hydronic Heater

Taco Pumps - 006 Series



Taco 006 Bronze Circulation Pump for domestic water systems. No flange required, 3/4" sweat connection.

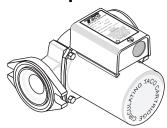
TACO 006 CIRCULATION PUMP

 size
 hp
 Amp
 Watt
 (ft)
 (gal/min)

 006
 1/40
 0.52
 59.8
 9
 10

p/n Description 175 Taco 006 Pump

Taco Pumps - 007 Series



Taco 007 Circulation Pump requires flange kit (not included). Includes O-rings.

size	hp	Amp	Watt	Head (ft)	Volume (gal/min)
007	1/25	0.70	80.50	11	20
007 Priority	1/25	0.70	81.65	11	20

p/n Description
171 Taco 007 Pump
413 Taco 007 Priority Pump

Taco Pumps - 009 & 014 Series



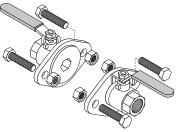
Taco 009 and Taco 014 Circulation Pumps both require flange kit (not included). Includes Orings.

TACO 009 and TACO 014 CIRCULATION PUMPS

Size hp Amp Watt (ft) (gal/mii 2009 1/8 1.40 161 34 8 2014 1/8 1.55 178 22 32					(ft) 34	Volume (gal/min 8 32
--	--	--	--	--	------------	-------------------------------

p/n Description 173 Taco 009 Pump 176 Taco 014 Pump

Isolation Flange Kit, 1-1/4"

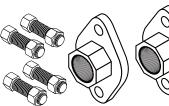


Kit includes flanges, nuts and bolts. Full port, valved flange body.

p/n Description

224 "Free Floating" Flange Kit, 3/4" 225 Isolation Flange Kit, 1-1/4"

Pump Flange Kits



Each kit includes set of two female iron pipe (FIP) pump flanges. One set is used with each pump. Most installations use Pump Flange Kit, 3/4" (p/n 119).

p/n Description 119 Pump Flange Kit, 3/4"

194 Pump Flange Kit, 1" 1272 Pump Flange Kit, 1-1/4"

0-Ring Set



Set of two replacement O-rings.

p/n Description 542 O-Ring Set

Taco Pump Replacement Cartridges



For 006 and 007 Pumps



For 009 & 011 Pumps

Replacement cartridges for Taco 006, 007, 009, 011 and 014 series pumps. Each includes a 3-year warranty.

 p/n
 Application

 222
 006 Series Pumps

 170
 007 Series Pumps

 172
 009 Series Pumps

 219
 011 Series Pumps

 179
 014 Series Pumps

PEX PIPE, FITTINGS AND RELATED

PEX Pipe Cutter



Used to cut PEX pipe up to 1-1/4" in diameter.

p/n Description 195 PEX Pipe Cutter

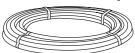
Central PEX® 1/2" Pipe



Central PEX 1/2" Pipe is a high-density, oxygen barrier, cross-link pipe. Rated for temperatures to 180°F at 100 psi. Available in rolls up to 1000 ft long. Excellent for radiant floor heating applications.

p/n	Description	
1320	Central PEX 1/2" Pipe, 3	300'
1321	Central PEX 1/2" Pipe,	500'
1322	Central PEX 1/2" Pipe,	1000'

Central PEX® 1" Pipe



Central PEX 1" Pipe is a high-density, crosslink pipe, rated for temperatures to 180°F at 100 psi. Available in rolls up to 500 ft long.

p/n	Description
1311	Central PEX 1" Pipe, 100'
1312	Central PEX 1" Pipe, 200'
1313	Central PEX 1" Pipe, 300'
1314	Central PEX 1" Pipe, 500'

PEX Adapter



For adapting copper pipe to Central PEX pipe.

p/n Description	
p/n Description 1337 PEX Adapter, 1/2" PEX x 1/2" sweat fitt	ings
1331 PEX Adapter, 1" PEX x 1" sweat fittings	3
1348 PEX Adapter, 1/2" PEX x 1/2" FIP fitting	js -

PEX Adapter



For adapting threaded pipe to Central PEX pipe.

p/n	Description
1341	PEX Adapter, 1/2" PEX x 1/2" MIP fittings
1336	PEX Adapter, 1/2" PEX x 3/4" MIP fittings
1330	PEX Adapter, 1" PEX x 3/4" MIP fittings
1324	PEX Adapter, 1" PEX x 1" MIP fittings

PEX Coupling



For coupling two Central PEX pipe ends together.

p/n	Description
1339	PEX Coupling, 1/2
1333	PEX Coupling, 1"

PEX 90° Elbow



Brass 90° elbow for coupling two Central PEX pipe ends together.

p/n	Description	on
1340	PEX 90° E	
1334	PEX 90° E	lbow, 1"

PEX Tee



Brass tee for joining Central PEX pipe ends together.

p/n	Description
1338	PEX Tee, 1/2"
1332	PEX Tee. 1"

PEX Brass Clamp Fittings



Brass adapter clamps for PEX pipe.

p/n	Description
5642	PEX Brass Clamp Fittings, 1"
5643	PEX Brass Clamp Fittings, 1-1/4"

PEX Crimp Ring / Crimp Tools



PEX Crimp Ring for PEX pipe. Crimp Tool (p/n 324) required for 1/2" crimp ring. Crimp Tool (p/n 145) required for 1" crimp ring.

p/n	Description
1342	PEX Crimp Ring, 1/2
1335	PEX Crimp Ring, 1"
324	Crimp Ring Tool, 1/2
145	Crimp Ring Tool, 1"

Central Boiler Clamp, 1"



Stainless steel 1" hose clamp.

p/n	Description
5978	Central Boiler Clamp, 1

Ratchet Crimp Tool



Tool for crimping 1" and 1/2" PEX Stainless Steel Clamp Crimp Rings to PEX pipe. Not for use with any other application.

p/n Description 5925 Ratchet Crimp Tool

PEX Stainless Steel Clamp Crimp Ring



For use with Central PEX pipe. Must use Ratchet Crimp Tool (p/n 5925) to crimp.

p/n	Description
5927	PEX Stainless Steel Clamp Crimp Ring, 1/2"
5926	PEX Stainless Steel Clamp Crimp Ring, 1"

ThermoPEX®



ThermoPEX is flexible pre-insulated piping consisting of two waterproof oxygen barrier PEX lines (supply and return) protected by polyurethane closed cell foam insulation and a thick, durable, waterproof polyethylene outer jacket. It is the ideal insulated piping for use with outdoor wood furnaces. Available with 1" Central PEX in 100-ft or 800-ft rolls, or with 1-1/4" PEX in a 300-ft roll.

p/n	Description
2441	ThermoPEX, 1", 100' Roll
2491	ThermoPEX, 1", 800' Roll
2492	ThermoPEX 1-1/4" 300' Roll

ThermoPEX Termination Cap



Fits snuggly over each end to protect and seal the insulation from water.

p/n	Description	
2443	ThermoPEX Cap,	1"
2494	ThermoPEX Cap,	1-1/4

ThermoPEX Coupling Kit



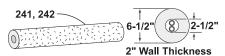


Twelve-inch rubber splice is used to join two ends of ThermoPEX together.

p/n	Description
2447	ThermoPEX Coupling Kit, 1"
2/105	ThermoDEY Counting Kit 1-1/4

INSULATION, MANIFOLDS AND WATER-TO-WATER EXCHANGERS

Central Therm® Insulation



Closed-cell, green polyethylene Central Therm Insulation for insulating water lines. Available in either 8-ft or 4-ft lengths.

p/n
241
242
Description
Central Therm Insulation, 8'
Central Therm Insulation, 4'

Central Therm® Sleeve



Central Therm Sleeve slips over Central Therm Insulation to keep insulation dry and increase heat transfer efficiency, especially in the spring when ground water is high. Available in lengths from 100 to 800 feet.

p/n	Description	
524	Central Therm Sleeve, 10	00
525	Central Therm Sleeve, 20	00
526	Central Therm Sleeve, 30	00
527	Central Therm Sleeve, 50	00
672	Central Therm Sleeve, 80	0(

Central Therm Sleeve Dispenser



Handy dispenser holds all roll lengths of Central Therm Sleeve.

p/n Description506 Central Therm Sleeve Dispenser

PEX Hanger



Half-moon, nail-in PEX Hanger for securing PEX piping. Available in two sizes.

p/n	Description	
p/n 293	PEX Hanger,	
295	PEX Hanger,	1"

Manifold w/Valves



For use with 1/2" PEX pipe in radiant floor installations, the Manifold w/Valves is available in a 2- or 3-loop configuration. Manifold fittings are 1" copper sweat; valve fittings are 1/2" barbed.

p/n	Description
1349	Manifold w/Valves, 2-Loop
1329	Manifold w/Valves, 3-Loop
376	Copper Cap, 1"

Manifold w/o Valves



For use with 1/2" PEX pipe in radiant floor installations, the Manifold w/o Valves is available in a 2- or 3-loop configuration. Manifold fittings are 1" copper sweat; valve fittings are 1/2" barbed. Does not include valves or caps.

p/n Description
1880 Manifold w/o Valves, 2-Loop
1885 Manifold w/o Valves, 3-Loop

Plate Heat Exchanger



The Plate Heat Exchanger is a compact, highperformance, water-to-water, continuous flow heat exchanger with MPT ports. Units are 316L stainless, copper-brazed. MPN units are marine-grade stainless, nickel-brazed (for use with pools and hot tubs).

		Units
		Port Size
p/n	Size	(in.)
5734	5 x 12-6	3/4
5744	5 x 12-30	1-1/4
5636	5 x 12-50	1-1/4
5637	5 x 12-70	1-1/4
5634	10 x 18-40	1-1/2
5635	10 x 18-50	1-1/2

MPN Units* Port Size **p/n** 5738 Size (in.) MPN 5 x 12-10 5737 MPN 5 x 12-16 5814 MPN 5 x 12-20 1-1/4 5842 MPN 5 x 12-24 1-1/4 5769 MPN 5 x 12-30 1-1/4

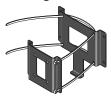
Plate Mounting Bracket



Used to mount 5" x 12" Plate Heat Exchangers with mounting studs to a wall or similar surface.

D/n Description5807 Plate Mounting Bracket

Heat Exchanger Mounting Kit



p/n Description1097 Heat Exchanger Mounting Kit

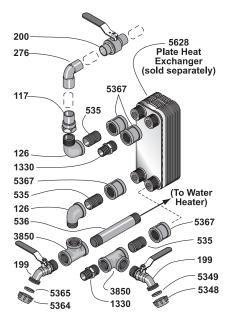
Female Adapter



Adapts 1/2" copper pipe to 1/2" Central PEX pipe. Sweat end fits over copper pipe.

p/n Description 6679 Female Adapter, 1/2" barb x 1/2" sweat fittings

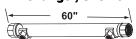
Fittings Kit, Threaded



For domestic water heaters using Plate Heat Exchanger (p/n 5628).

p/n Description 5640 Fittings Kit, threaded ports

Water-to-Water Heat Exchanger, Shell & Tube

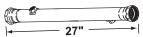


A water-to-water, continuous-flow heat exchanger used mainly for boiler applications. Side ports are 3/4" FIP; end ports are 1-1/2" FIP.

p/n
151 Description
Water-to-Water Heat Exchanger,
Shell & Tube, 60"

WATER-TO-WATER EXCHANGERS, SOLDERING MATERIALS AND CONNECTIONS

Water-to-Water **Heat Exchanger, Shell & Tube**

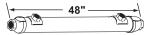


A water-to-water, continuous-flow heat exchanger for commercial water heater applications. Side ports are 3/4" FIP; end ports are 1-1/2" FIP.

Description

Water-to-Water Heat Exchanger, Shell & Tube, 27"

Water-to-Water **Heat Exchanger, Shell & Tube**



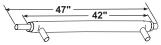
A water-to-water, continuous-flow heat exchanger used mainly for boiler applications. Side ports are 1" FIP; end ports are 1-1/2" FIP.

Description

Heat Exchanger, Water-to-Water,

Shell & Tube, 48"

Water-to-Water Heat Exchanger, Double Wall

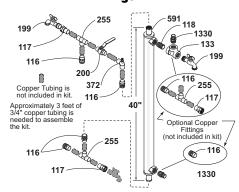


The Water-to-Water, Double Wall Heat Exchanger is a water-to-water, domestic water heat exchanger with 3/4" copper sweat ports. Install on existing water heater for thermal circulating heat transfer.

Description

Heat Exchanger, Water-to-Water, Double Wall, 42"

Water-to-Water Heat Exchanger & Fittings Kit



Install on existing domestic water heater for thermal circulating heat transfer. Side ports and end ports are 3/4" FIP. Fittings Kit is sold separately.

Description

Water-to-Water Heat Exchanger, 40"

2053 Fittings Kit

Automatic Vent Valve



Vents air automatically. For use in pressurized systems only. Fitting is 1/8" NPT.

p/n 286 Description Automatic Vent Valve

Solder & Soldering Flux





Low melting-point solder for easier soldering. Soldering flux includes brush. Use for easier soldering of copper sweat fittings.

Description

Soldering Flux (6 oz)

Cleaning Brush



For cleaning the inside of copper fittings.

p/n 378 Description Cleaning Brush, 3/4" 379 Cleaning Brush, 1'

Hex Bushing



Hex bushing with national pipe threads (NPT).

Description Hex Bushing, 1-1/4" x 3/4" Hex Bushing, 1-1/2" x 3/4" Hex Bushing, 1-1/4" x 1/2" . 388 105 412 Hex Bushing, 2" x 3/4" Hex Bushing, 3/4" x 1/2" Hex Bushing, 3/4" x 1/8" 335 180 Hex Bushing, 1-1/2" x 1-1/4"

Brass Hex Bushing



Brass NPT reducing bushing.

Description 385 3851 3042 Brass Hex Bushing, 1-1/2" x 3/4" Brass Hex Bushing, 1-1/4" x 3/4" Brass Hex Bushing, 1/2" x 1/8"

Brass Pipe Union, FIP



Suggested for use with plate-style heat exchanger installations.

Description Brass Pipe Union, 3/4" Brass Pipe Union, 1' Brass Pipe Union, 1-1/4"

Nipple



Extra-heavy male pipe thread (MPT) nipples. Nipple (p/n 118) is used with pumps and ball valves. Brass nipples must be used on stainless steel furnaces.

Description Nipple, 3/4" x close 409 Nipple, 1-1/4" x close 314 Nipple, 1-1/2" x close 505 Nipple, Brass, 1-1/2" x close Nipple, 3/4" x 2" 533 Nipple, 3/4" x 7" 534 Nipple, Brass, 3/4" x 2" 535 Nipple, Brass, 3/4" x 7"

Brass Hose Bib



Brass hose bib, 3/4" MPT.

Description Brass Hose Bib, 3/4" MPT

Tee, 3/4" NPT



Both Tees are 3/4" NPT. Black Tee (p/n 133) can be used for vent option near pump. Brass Tee (p/n 3850) can be used in domestic water situations.

p/n Description Tee, Black, 3/4" NPT Tee, Brass, 3/4" NPT

Brass Offset Tee, 4"



Can be used in conjunction with the Temperature Gauge (p/n 174 or p/n 6054) for monitoring furnace supply water temperature, or may be used instead of Nipple (p/n 533) and 90° Street Elbow (p/n 274) on supply and/or return bung.

n/q Description 6764 Brass Offset Tee, 4"

CONNECTIONS, FILTER AND 1-1/4" PEX PIPE

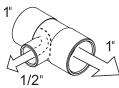
Pipe Plug



Pipe Plug, MPT, in different sizes (black, unless noted).

p/n 331	Description
331	Pipe Plug, 3/4"
336	Pipe Plug, 1-1/2"
383	Pipe Plug, 1-1/4"
6557	Pipe Plug, Brass 1/2"

Brass Diverter Tee



The diverter tee is an excellent sweat fitting used mainly with fan-forced heaters.

p/n Description 6782 Brass Diverter Tee, 1" x 1" x 1/2"

45° Street Elbow



NPT 45° Street Elbow (black).

p/n Description 124 45° Street Elbow, 3/4"

90° Street Elbow



90° Street Elbow in different sizes.

 p/n
 Description

 411
 90° Street Elbow, 1-1/4"

 274
 90° Street Elbow, 3/4"

 126
 90° Street Elbow, Brass, 3/4"

Ball Valve



Brass FIP Ball Valve. The 3/4" Full Port Ball Valve (p/n 198) is used on both sides of the pump and on the furnace for each water line.

 p/n
 Description

 186
 Ball Valve, 1/2"

 198
 Ball Valve, 3/4" Full Port

 410
 Ball Valve, 1-1/4"

3-Way Valve



Manually operated, FIP, brass 3-Way Valve.

p/n Description330 3-Way Valve, Brass 3/4" FIP

Brass Swing Check Valve



Brass Swing Check Valve with FIP fittings prevents reverse circulation.

p/n
296
5871
Description
Brass Swing Check Valve, 3/4"
Brass Swing Check Valve, 1-1/4"

Cast Iron Manifold



Cast Iron Manifold features 1-1/2" FIP inlet and four 3/4" FIP outlets.

p/n Description
407 Cast Iron Manifold

Manifold



Manifold features two 1-1/4" fittings, six 3/4" FIP fittings and two 1-1/4" bungs (one at each end) for large building system. Manifold measures 3" x 3" x 33-1/2".

p/n Description
395 Manifold

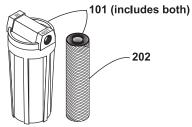
Y-Strainer



Brass Y-Strainer with 0.20 mesh and FIP fittings. Recommended when installing platestyle heat exchangers.

p/n Description 1695 Y-Strainer, 3/4" 573 Y-Strainer, 1"

Hot Filter & Cartridge



Hot Filter (#10) with cartridge, 3/4" FIP fittings.

p/n Description 101 Hot Filter, 3/4" FIP 202 Cartridge, #10

Brass Coupling



Brass Coupling with 3/4" threaded fittings.

p/n Description 5367 Brass Coupling, 3/4" thread

Brass Male Adapter



Brass Male Adapter for 1-1/4" PEX pipe.

p/n Description
380 Male Adapter, 1-1/4" barb x 1-1/4" MIP

Brass Coupling



Brass Coupling for 1-1/4" PEX pipe.

p/n Description
381 Brass Coupling, 1-1/4" barb x 1-1/4" barb

Brass Elbow



Brass Elbow for 1-1/4" PEX pipe.

p/n Description
382 Brass Elbow, 1-1/4" barb x 1-1/4" barb

PEX 1-1/4" Pipe



High-density, oxygen barrier, cross-link pipe, rated for 180°F and 100 psi. Each length should be insulated separately as two will not fit inside Central Therm insulation.

p/n Description 5670 PEX 1-1/4" Pipe, 150' 386 PEX 1-1/4" Pipe, 300'

THERMOSTATS, VALVES AND AQUASTATS

Line Voltage Thermostat



Line Voltage Thermostat (110-volt) used to start the fan on forced-air systems.

Description Line Voltage Thermostat

Mercury Free 24-Volt Thermostat

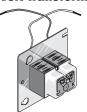


Can be used in conjunction with zone valves, zone pumps and forced-air systems or used to operate 24-volt 3-way zone valves (requires 24-volt transformer).

Description

24-Volt Thermostat, Mercury Free

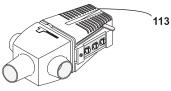
24-Volt Transformer



Used with 24-volt wall thermostat and 24-volt zone valves.

Description **p/n** 188 24-Volt Transformer

3-Way Zone Valve, 24-Volt



Used to bypass water for radiant floor heat, baseboard heat, swimming pool heaters, etc. (requires 24-volt transformer).

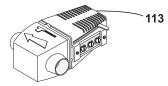
Description

3-Way Zone Valve, 24-Volt, 1" sweat fittings

127 3-Way Zone Valve, 24-Volt, 3/4" sweat fittings

113 Replacement Head

2-Way Zone Valve, 24-Volt



Used to bypass water for radiant floor heat, baseboard heat, swimming pool heaters, etc. (requires 24-volt transformer).

p/n 671 571 Description

2-Way Zone Valve, 24-Volt, 1" sweat fittings 2-Way Zone Valve, 24-Volt, 3/4" sweat fittings

Replacement Head

Tempering Valve



Mixing valve for tempering hot water, with an adjustable temperature range between 120-160°F.

Description

p/n 163 Tempering Valve, 1/2" sweat fittings Tempering Valve, 3/4" sweat fittings

Anti-Scald Mixing Valve



For controlling water temperature in radiant floor heat system (temperature range of 110-145°F) or for reducing domestic hot water temperature.

Description

p/n 306 309 Anti-Scald Mixing Valve, 1/2" NPT fittings Anti-Scald Mixing Valve, 3/4" NPT fittings Anti-Scald Mixing Valve, 1" NPT fittings 307

Pluq-In Thermostat



Plug-In Thermostat, 13.5-amp rated, 110-volt, is for operating fan.

Description Plug-In Thermostat

Pool Aquastat



For controlling water temperature in pools, spas, etc., Pool Aquastat is immersible with a temperature range of 40-180°F in one-degree differential. Well sold separately.

Description

Pool Aquastat, 1/2" NPT fitting Well, 1/2" NPT fitting Well, SS, 1/2" NPT fitting

1247

Adjustable Aquastat, Immersible



Adjustable between 110-240°F, immersible, with 1/2" MPT fittings on well (either close on rise or open on rise). Recommended operating setting is between 165-195°F.

Description Adjustable Aquastat

Adjustable Aquastat, Surface Mount



For 1992 and older model Classic outdoor wood furnaces, this surface mounted aquastat is adjustable from 100-240°F.

Description Adjustable Aquastat

Fixed Aquastat, 185°F



Non-adjustable, immersible, with 1/2" MPT fitting.

p/n 290 Description Fixed Aquastat, 185°F

BASEBOARD ACCESSORIES AND SWEAT FITTINGS

Baseboard Joiner



Used to cover joints in continuous lengths of baseboard.

p/n Description
230 Baseboard Joiner

Baseboard, Complete



Each baseboard includes heating element and cover. Rated 610 Btu/ft at 180°F water temperature. Flow rate of 4 gal/min, 3/4" copper sweat fittings. End caps, joiners and corners sold separately.

p/n	Description
234	Baseboard, Complete, 2
235	Baseboard, Complete, 3
236	Baseboard, Complete, 4
237	Baseboard, Complete, 5
238	Baseboard, Complete, 6

Baseboard End Cap



Left or right Baseboard End Caps for radiant baseboard water heater.

p/n 232	Description
232	Baseboard End Cap, Left
233	Baseboard End Cap, Right

Baseboard Corners





Inside and outside Baseboard Corner covers for radiant baseboard water heater.

p/n	Description
182	Baseboard Corner, Inside
183	Baseboard Corner, Outside

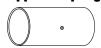
90° Street Elbow, 1"



90° street elbow with 1" female sweat fitting on one end and 1" male sweat fitting on the other.

p/n Description 103 Street Elbow, 1"

Copper Coupling



p/n Description
Copper Coupling, 3/4" sweat x 3/4" sweat fittings
Copper Coupling, 1" sweat x 1" sweat fittings

Male Adapter, Copper Pipe



p/n
116
120
Description
Male Adapter, 3/4" sweat x 3/4" MIP fittings
Male Adapter, 1" sweat x 1" MPT fittings

Female Adapter, Copper Pipe



p/n Description
164 Female Adapter, 1" sweat x 3/4" FIP fittings
117 Female Adapter, 3/4" sweat x 3/4" FIP fittings

Tee, Copper Pipe



p/n Description
138 Tee, Copper Pipe, 1" x 1" x 1" sweat fittings
1255 Tee, Copper Pipe, 3/4" x 3/4" x 3/4" sweat fittings

Reducing Tee, Copper Pipe



p/n Description 178 Reducing Tee, 1-1/2" x 1" x 1" sweat fittings

Copper End Cap



p/n Description 376 Copper End Cap, 1" sweat fitting

Vent Elbow, Copper Pipe



p/n Description
372 Vent Elbow, 3/4" x 3/4" sweat fittings
112 Vent Elbow, 1" x 1" sweat fittings

Drain Coupling, Copper Pipe



DescriptionDrain Coupling, Copper Pipe, 3/4" x 3/4" sweat fittings

Reducer, Copper Pipe



p/n231DescriptionReducer, Copper Pipe, 1" x 3/4" sweat fittings

90° Reducing Elbow, Copper Pipe



Description
90° Reducing Elbow, Copper Pipe,
1" x 3/4" sweat fittings

90° Elbow, Copper Pipe



p/n
276
277
Description
90° Elbow, Copper Pipe, 3/4" x 3/4" sweat fittings
277
30° Elbow, Copper Pipe, 1" x 1" sweat fittings

Sweat Ball Valve



p/n Description 200 Sweat Ball Valve, 3/4" x 3/4" sweat fittings

MAINTENANCE AND REPLACEMENT PRODUCTS

Hoe



Used as a firebox maintenance tool, hoe comes with metal handle.

p/n 308 Description

Ash Shovel



Used for removing ashes from furnace.

p/n 299 Description Ash Shovel

Ash Rake



Long, metal-handled ash rake is used to pull coals forward and to stir ashes.

Description Ash Rake

Ashtrol



Used as a furnace firebox pH modifier.

p/n 297 Description Ashtrol, 6.25 lbs

Corrosion Inhibitor Plus





Corrosion Inhibitor plus Polymer Solution helps protect exchangers and pumps against solids adhering to system parts. Refer to chart below for amounts used in each model furnace.

Corrosion

Inhibitor Amount

2 units

4 units

CL 4030, CL 5036, SCL 5036 CL 6048, SCL 6048 CL 7260, Pallet Burner

Description p/n Corrosion Inhibitor Plus

Sludge Conditioner

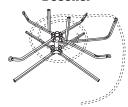


Reduces mineral deposits in boiler side of water-to-water heat exchangers. Refer to chart below for amounts used in each model furnace.

Models CL 4030	Sludge Conditioner Amount 1/2 gal.
CL 5036, CL 6048	1 gal.
CL 7260, Pallet Burner	2 gal.

p/n Description Sludge Conditioner, 1 gal.

Decoiler



Useful when uncoiling and installing 1/2" tubing.

p/n 1323 Description Decoiler

Water Test Kit

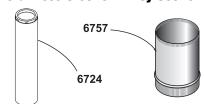


Water Test Kits and replacement items for testing your furnace water. Complete kits include pH test strips.

p/n 405 597 153 403	Description Water Test Kit, Complete Water Test Kit, Complete, Anti-Freeze Compatible Litmus Paper Permanganate
403	Permanganate

Sulfuric Acid

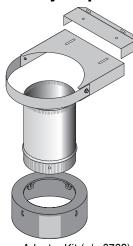
Stainless Steel Chimney Sections



Type HT listed, factory-built, all stainless steel chimney section and tee. Sections are four feet long.

p/n 6724 Description Chimney Extension, 4' Chimney Conversion Adapter, 8" 6757

Chimney Components



The Chimney Adapter Kit (p/n 6762) is used to convert CL 7260 and Pallet Burner models to the new chimney style (p/n 6724). The conversion will require the Chimney Adapter Kit (p/n 6762) and three Chimney Extensions (p/n 6724).

Chimney Extension Components

p/n 6762 Description Chimney Adapter Kit, 10" to 8", For Pallet Burner and CL 7260 models 6172 Elbow, 45-degree

Chimney Section, 8" x 24" for Tower Installation 6173

Miscellaneous Chimney Components p/n Description Chimney Tee Cover, 10" Chimney Tee Cover, 8" 6165

Spark Arrestor



Stainless steel Spark Arrestor for the new-style chimney (p/n 6724).

p/n Description 396 Spark Arrestor

6751

Spark Arrestor



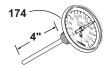
Stainless steel, expanded metal Spark Arrestor. Spark Arrestor (p/n 392) fits CL 4436 and CL 5648 model chimneys; Spark Arrestor (p/n 393) fits CL 7260 and Pallet Burner model chimneys.

Description Spark Arrestor, 10"

MAINTENANCE AND REPLACEMENT PRODUCTS

Temperature Gauges





In-line, dial temperature gauge with 1/2" MPT (p/n 174) is optional for manifold, pool heater systems, etc. Gauge (p/n 6054) is 1/8" MPT, 1" diameter with 1" stem length, for use in tight areas.

p/n Description

Temp. Gauge, 1/8" MPT Temp. Gauge, 1/2" MPT 6054

Vent Cap



Replacement Vent Cap helps prevent water loss through the vent pipe.

Description Vent Cap

Sight Gauge Components



Sight Gauge Components replace original components.

Description 812 Sight GaugeTube, 9/16" OD x 3/8" ID Clip Valve, 1/4" 5032 846 880 Elbow. 1/4" 6146 **Dust Cap**

Water Softener Cartridge



For single use in filling water jacket, Water Softener Cartridge has 5,000 grains of removal capacity. For average water with 10 grams hardness, will treat 500 gallons water. May also be connected together to increase removal capacity.

Description **p/n** 1310 Water Softener Cartridge

Black Silicone Adhesive, High Temperature



100% silicone adhesive.

Description Black Silicone Adhesive. High Temperature, 10.1 oz

Linkage



Linkage between the solenoid and damper control. Each linkage comes complete with cot-

Description

Linkage, All Linkage Models Linkage, Wire Loop Models 1270

6869 Spring-Assisted Linkage, All Linkage Models

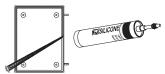
Door Seal Rope



Sold either by the foot or in pre-cut lengths for specific model applications. Silicone is not included.

p/n	Description
809	Door Seal Rope, 3/4", priced per ft
338	Door Seal Rope, 1", priced per ft
359	Door Seal Rope, 8' for CL 5036
360	Door Seal Rope, 9' for CL 6048
361	Door Seal Rope, 12' for CL 7260
367	Door Seal Rope, 23' for Pallet Burner

Door Seal Kit



Kit includes Door Seal Rope cut to length and Black Silicone Adhesive.

p/n 362	Description
362	Door Seal Kit, for CL 5036
363	Door Seal Kit, for CL 6048
364	Door Seal Kit, for CL 7260
365	Door Seal Kit, for Pallet Burner

Door Lock Kit/Cam Loc Bearing



Prevents unauthorized access to the firebox.

p/n	Description
p/n 5575	Door Lock Kit, for steel-door
	CL 7260 and Pallet Burner
537	Door Lock Kit, for other Cam Loc models
	(including CL 7260 cast-iron door)
5019	Cam Loc Bearing, Stainless Steel

Draft Inducer



Bolts to existing draft hood (fan included). Must use 5-amp fuse.

p/n	Application
400	Side Draft
500	Ripple Front Door
700	Flat Front Door
6494	CL 7260 Door
6576	CL 7260 Dual Eugl (

260 Dual Fuel Cast Door (w/fuses) CL 7260 High-Output 5549

834 Fan (only)

Solenoid







Because damper control solenoids are not interchangeable, check measurement and application dates carefully.

Solenoid, 1-5/8" center-to-center bracket hole* 443 Solenoid, 1-3/8" center-to-center bracket hole**

*Pre-June 2000 **After June 2000

Fuse & Socket



p/n 4500 Description Fuse, 5-A Socket, 5-A 451

High Limit Switch/Snap Disc



High Limit Switch (p/n 192) opens on temperature rise. Snap Discs are Dual Fuel replacement snap discs (p/n 5977 is the center disc).

p/n 192 Description High Limit Switch, 190°F 5977 Snap Disc, 160-200°F 5712 Snap Disc, 145-160°F

Light Switch



Includes cover plate and seal.

Description Light Switch

MAINTENANCE AND REPLACEMENT PRODUCTS

Tile Tape



Recommended for taping Central Therm Insulation joints after gluing with contact cement.

p/n Description 251 Tile Tape, roll

Grounding Rod Kit



Used to electrically ground the furnace.

p/n Description 6593 Grounding Rod Kit

Indoor Water Temperature Indicator Kit



Remote inline monitoring of water temperature (battery operated). Includes LCD, 75 feet of cord and probe.

o/n Description

5052 Indoor Water Temperature Indicator Kit

Fuse Holder & Fuses



Various Fuses and Fuse Holder protect solenoid from overload. The 5-A fuse is for Dual Fuel models.

 p/n
 Description

 1085
 Fuse Holder

 1087
 Fuse, 2-A

 1089
 Fuse, 3-A

 6648
 Fuse, 5-A

Time Delay Relay



Replacement Time Delay Relay for Dual Fuel model furnaces.

p/n Description 5775 Time Delay Relay

Digital Temperature Controller



Replacement Digital Temperature Controller for furnaces.

p/n Description
5947 Digital Temperature Controller

Temperature Sensing Wire



Replacement Temperature Sensing Wire for furnaces with a Digital Temperature Controller (p/n 5947).

p/n725DescriptionTemperature Sensing Wire

Rocker Switch



Replacement Rocker Switches for furnaces.

p/nDescription6500Rocker Switch, Power Supply (on-off)6501Rocker Switch, Light Switch (on-off-on)

Photoelectric Eye



Replacement Photoelectric Eye for furnaces.

p/n Description 5998 Photoelectric Eye

Lens & Light Bulb



Replacement Lens and Light Bulb for furnaces.

p/n Description 6510 Lens 6509 Light Bulb, 40 W

Contact Block



Replacement Contact Block for Dual Fuel furnaces.

p/n Description 6497 Contact Block

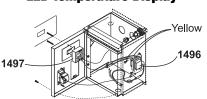
Selector Switch



Replacement Selector Switch for Dual Fuel furnaces.

p/n Description 6498 Selector Switch

LED Temperature Display



LED Temperature Display requires Transformer (p/n 1496) for converting 110-volt AC current to 12-volt DC current.

p/n Description
 1497 LED Temperature Display
 1496 Transformer

Fan Center Relay



The Fan Center Relay is used to control a 110-volt fan with a 24-volt thermostat.

p/n Description515 Fan Center Relay

Power Supply Cord



May be used to wire pumps when installed on furnaces. Includes strain relief.

p/n Description
556 Power Supply Cord, 32"

Fin Comb





Tool with six interchangeable heads for straightening fins on water-to-air heat exchangers. For all units with 8, 9, 10, 11, 12 and 14 fins per inch.

p/n Description 5918 Fin Comb

NUMERICAL PARTS INDEX

100 Soldering Flyy (6.57.)	200 5	1221 DEV Adopter 11 DEV v 11 guard
100 Soldering Flux (6 oz) 7 101 Hot Filter, 3/4" FIP 8 102 Heat Exchanger Coil, 95k Btu 2 103 90" Street Elbow, 1" 10 105 Hex Bushing, 1-1/2" x 3/4" 7 106 Heat Exchanger Coil, 100k Btu 2 107 Heat Exchanger Coil, 1125k Btu, straight outlets 2 108 Heat Exchanger Coil, 125k Btu, straight outlets 2 108 Heat Exchanger Coil, 185k Btu 2 109 Heat Exchanger Coil, 185k Btu 2 110 Heat Exchanger Coil, 185k Btu 2 111 Heat Exchanger Coil, 20k Btu 2 112 Vent Elbow, 1" x 1" sweat fittings 10 113 Replacement Head 9 114 3-Way Zone Valve, 1" sweat fittings 9 116 Male Adapter, 3/4" sweat x 3/4" MIP fittings 10 117 Female Adapter, 3/4" sweat x 3/4" FIP fittings 10 118 Nipple, 3/4" x Close 7 119 Pump Flange Kit, 3/4" 4 120 Male Adapter, 1" sweat x 1" MPT fittings 10 123 90" Reducing Elbow, Copper Pipe, 1" x 3/4" sweat fittings 10 123 90" Reducing Elbow, Gyper Pipe, 1" x 3/4" sweat fittings 10 124 45" Street Elbow, 3/4" sweat fittings 9 133 Tee, Black, 3/4" NPT 7 138 Tee, Copper Pipe, 1" x 1" x 1" sweat fittings 10 140 Tempering Valve, 3/4" sweat fittings 9 145 Crimp Ring Tool, 1" 5 146 Copper Coupling, 3/4" sweat fittings 10 147 Copper Coupling, 3/4" sweat fittings 10 148 Heat Exchanger, Water-to-Water, Shell & Tube, 60" 16 153 Litmus Paper 15 154 Blower & Motor, 1/4-hp. 3	322 Fan. 2 323 Transition 2 324 Crimp Ring Tool, 1/2" 5 325 Hex Bushing, 3/4" x 1/2" 7 330 3-Way Valve, Brass 3/4" FIP 8 331 Pipe Plug, 3/4" 8 335 Hex Bushing, 2" x 3/4" 7 336 Pipe Plug, 1-1/2" 8 338 Door Seal Rope, 1" 12 353 Louvers, fit Heat Exchanger Coil (p/n 111) 3 354 Louvers, fit Heat Exchanger Coil (p/n 106) 3 355 Louvers, fit Heat Exchanger Coil (p/n 106) 3 355 Louvers, fit Heat Exchanger Coil (p/n 106) 3 359 Door Seal Rope, 8' for CL 5036. 12 360 Door Seal Rope, 9' for CL 5036. 12 361 Door Seal Rope, 12' for CL 7260. 12 362 Door Seal Rit, for CL 5036. 12 362 Door Seal Kit, for CL 5036. 12 362 Door Seal Kit, for CL 5036. 12 363 Door Seal Kit, for CL 5036. 12 364 Door Seal Kit, for CL 5036. 12 365 Door Seal Kit, for CL 5036. 12 365 Door Seal Kit, for CL 7260. 12 367 Door Seal Kit, for Pallet Burner 12 368 Plug-In Thermostat. 12 368 Plug-In Thermostat. 12 378 Cleaning Brush, 3/4" x 3/4" sweat fittings. 10 378 Cleaning Brush, 3/4" x 3/4" sweat fittings. 10 378 Cleaning Brush, 3/4" 7 379 Cleaning Brush, 3/4" 7 379 Cleaning Brush, 1-1/4" barb x 1-1/4" barb 8 381 Brass Coupling, 1-1/4" barb x 1-1/4" barb 8 382 Brass Hex Bushing, 1-1/4" barb x 1-1/4" barb 8 383 Pipe Plug, 1-1/4" barb x 1-1/4" barb 8 384 Brass Hex Bushing, 1-1/2" x 3/4" 7 395 Spark Arrestor, 10" 11 395 Manifold 18 396 Spark Arrestor, 10" 11 395 Manifold 12	1331 PEX Adapter, 1" PEX x 1" sweat 5 1332 PEX Tee, 1" 5 1333 PEX Coupling, 1" 5 1334 PEX 90" Elbow, 1" 5 1335 PEX Crimp Ring, 1" 5 1336 PEX Adapter, 1/2" PEX x 3/4" MIP fittings 5 1337 PEX Adapter, 1/2" PEX x 1/2" sweat 5 1338 PEX Tee, 1/2" 5 1339 PEX Coupling, 1/2" 5 1340 PEX 90" Elbow, 1/2" 5 1341 PEX Adapter, 1/2" PEX x 1/2" MIP fittings 5 1342 PEX Crimp Ring, 1/2" 5 1348 PEX Adapter, 1/2" PEX x 1/2" FIP fittings 5 1349 Manifold w/Valves, 2-Loop 6 1496 Transformer 13
102 Heat Exchanger Coil, 95k Btu	324 Crimp Ring 1001, 1/2"	1333 PEX Coupling, 1"
105 Hex Bushing, 1-1/2" x 3/4"	330 3-Way Valve, Brass 3/4" FIP	1335 PEX Crimp Ring, 1"
107 Heat Exchanger Coil, 125k Btu, straight outlets 2	335 Hex Bushing, 2" x 3/4"	1337 PEX Adapter, 1/2" PEX x 1/2" sweat
109 Heat Exchanger Coil, 80k Btu	338 Door Seal Rope, 1"	1339 PEX Coupling, 1/2"
110 Heat Exchanger Coil, 165k Blu 2 111 Heat Exchanger Coil, 220k Btu 2	353 Louvers, fit Heat Exchanger Coil (p/n 111)	1340 PEX 90 EIDOW, 1/2 1341 PEX Adapter, 1/2" PEX x 1/2" MIP fittings
112 Vent Elbow, 1" x 1" sweat fittings	355 Louvers, fit Heat Exchanger Coil (p/n 106)	1342 PEX Crimp Ring, 1/2"
114 3-Way Zone Valve, 1" sweat fittings	360 Door Seal Rope, 9' for CL 6048	1349 Manifold w/Valves, 2-Loop
117 Female Adapter, 3/4" sweat x 3/4" FIP fittings	361 Door Seal Kit, for CL 5036	1349 Manifold w/Valves, 2-Loop
118 Nippie, 3/4 x close	364 Door Seal Kit, for CL 5048	1650 Corrosion inhibitor Plus
120 Male Adapfer, 1" sweat x 1" MPT fittings	365 Door Seal Kit, for Pallet Burner	1880 Manifold w/o Valves, 2-Loop
1" x 3/4" sweat fittings	368 Plug-In Thermostat. 9	2053 Fittings Kit
126 90° Street Elbow, Brass, 3/4"	373 Drain Coupling, Copper Pipe, 3/4" x 3/4" sweat fittings. 10	2443 ThermoPEX Termination Cap, 1"
127 3-way Zone vaive, 3/4 sweat fittings	376 Copper End Cap, 1 Sweat Illurig	2447 InermoPEX Coupling Kit, 1"
138 Tee, Copper Pipe, 1" x 1" x 1" sweat tittings 10 140 Tempering Valve. 3/4" sweat fittings	379 Cleaning Brush, 1"	2492 ThermoPEX, 1-1/4", 300' Roll
145 Crimp Ring Tool, 1"	381 Brass Coupling, 1-1/4" barb x 1-1/4" barb	2495 ThermoPEX Coupling Kit, 1-1/4"
147 Copper Coupling, 1" sweat x 1" sweat fittings10	383 Pipe Plug, 1-1/4" 88	3850 Tee Brass, 3/4" NPT
148 Heat Exchanger, Water-to-Water, Shell & Tube, 27	386 PEX 1-1/4" Pipe, 300'	3851 Brass Hex Busning, 1-1/4 x 3/4
151 Heat Exchanger, Water-to-Water, Sneil & Tube, 60	388 Hex Bushing, 1-1/4" x 3/4"	5019 Cam Loc Bearing, Stainless Steel
160 Line Voltage Thermostat	393 Spark Arrestor, 10"	5052 Indoor Water Temperature Indicator Kit
164 Female Adapter, 1" sweat x 3/4" FIP fittings	396 Spark Arrestor	5459 Pipe Plug With and the Cl. 7360 and Pollet Purpos 8
167 Solenoid, 1-5/8" center-to-center bracket hole12	396 Spark Arrestor 11 400 Draft Inducer, Side Draft 12 403 Permanganate 11	55/5 Door Lock Nit, steel door GL /200 and Pallet Burner 12 5634 Plate Heat Exchanger, 10 x 18-40
169 Adjustable Aquastat	404 Sulfuric Acid	5635 Plate Heat Exchanger, 10 x 18-50
171 Taco 007 Pump	407 Cast Iron Manifold	5637 Plate Heat Exchanger, 5 x 12-70
173 Taco 009 Pump	409 Nipple, 1-1/4" x closed	5642 PEX Brass Clamp Fittings, 1"
169 Adjustable Aquastat	410 Bail valve, 1-1/4"	5670 PEX 1-1/4" Pipe, 150'
176 Taco 014 Pump	403 Permanganate 11 404 Sulfuric Acid 11 405 Water Test Kit, Complete 11 407 Cast Iron Manifold 8 408 Hex Bushing, 1-1/2" x 1-1/4" 7 409 Nipple, 1-1/4" x closed 7 410 Ball Valve, 1-1/4" 8 411 90" Street Elbow, 1-1/4" 8 412 Hex Bushing, 1-1/4" 8 412 Tex Bushing, 1-1/4" 7 413 Taco 007 Priority Pump 4 415 Transition 3 416 Transition 3 416 Transition 38" center-to-center bracket hole, 12	5712 Snap Disc, 145-160 F
178 Reducing Tee, 1-1/2" x 1" x 1" sweat fittings	415 Transition	5737 Plate Heat Exchanger, MPN 5 x 12-16
180 Hex Bushing, 3/4" x 1/8"	443 Solenoid, 1-3/8" center-to-center bracket hole	5744 Plate Heat Exchanger, 5 x 12-30
183 Baseboard Corner, outside	451 Socket, 5-A	5769 Plate Heat Exchanger, MPN 5 x 12-30
186 Ball Valve, 1/2"o 187 Light Switch	505 Nipple, Brass, 1-1/2" x closed	5807 Plate Mounting Bracket
175 Taco 006 Pump	451 Socket, 5-A. 12 500 Draft Inducer, Ripple Front Door 12 505 Nipple, Brass, 1-1/2" x closed 7 506 Central Therm Sleeve Dispenser 6 515 Fan Centrer Relay 13 524 Central Therm Sleeve, 100" 6 525 Central Therm Sleeve, 200" 6 526 Central Therm Sleeve, 300" 6 527 Central Therm Sleeve, 300" 6 527 Central Therm Sleeve, 500" 6 533 Nipple, 3/4" x 2" 7 534 Nipple, 3/4" x 7" 7 535 Nipple, 3/4" x 7" 7 535 Nipple, Brass, 3/4" x 2" 7 537 Door Look Kit, For other Cam Loc models 12 542 O-Ring Set 4 556 Power Supply Cord, 32" 13 571 2-Way Zone Valve, 3/4" sweat fittings 9 573 Y-Strainer, 1" 8	4500 Fuse, 5-A
191 Pool Aquastat, 1/2" NPT Fitting	525 Central Therm Sleeve, 200'	5907 Brass Pipe Union, 3/4"
192 Pign Link Switch, 1907	520 Central Therm Sleeve, 500'	5909 Brass Pipe Union, 1-1/4"
198 Ball Valve, 3/4"	533 Nipple, 3/4" x 2"	5918 Fin Comb
199 Brass Hose Bib, 3/4" MPT	535 Nipple, Brass, 3/4" x 2"	5918 Fin Comb 13 5925 Ratchet Cirinp Tool 5 5926 PEX Stainless Steel Clamp Crimp Ring, 1" 5 5927 PEX Stainless Steel Clamp Crimp Ring, 1/2" 5 5947 Digital Temperature Controller 13 5977 Snap Disc, 160-200 F 12 5978 Central Boiler Clamp, 1" 5 5008 Photogloctric Eue 13
202 Cartridge, #10	542 O-Ring Set	5947 Digital Temperature Controller
204 Adjustable Aquastat 9	571 2-Way Zone Valve, 3/4" sweat fittings	5978 Central Boiler Clamp, 1"
219 Replacement Cartridge, 011 Series Pumps	573 T-Strainer, 1 591 Water-to-Water Heat Exchanger & Fittings Kit, 40" 7	5998 Photoelectric Eye
222 Replacement Cartinge, July Series Fullips	671 2-Way Zone Valve, 1" sweat fittings	6146 Dust Cap
225 Isolation Flange Kit, 1-1/4"	672 Central Therm Sleeve, 800'	6172 Elbow, 45-degree
231 Reducer, Copper Pipe, 1" x 3/4" sweat fittings 10	704 Heat Exchanger Coil, 125k Btu, 90° outlets	6494 Draft Inducer, CL 7260 Door
233 Baseboard End Cap, right	806 Black Silicone Adhesive, High Temperature, 10.1 oz 12	6498 Selector Switch
234 Baseboard, Complete, 2' 10	812 Sight GaugeTube, 5/16"	6501 Rocker Switch, Light Switch (on-off)
203 Blower & Motor, 1/8-hp. 204 Adjustable Aquastat 208 Blower & Motor, 1-hp. 3 219 Replacement Cartridge, 011 Series Pumps. 4 222 Replacement Cartridge, 006 Series Pumps. 4 224 Flange Kit, "Free Floating," 3/4" 4 225 Isolation Flange Kit, 1-1/4" 4 225 Isolation Flange Kit, 1-1/4" 4 230 Baseboard Joiner. 231 Reducer, Copper Pipe, 1" x 3/4" sweat fittings. 10 232 Baseboard End Cap, left. 233 Baseboard Complete, 2' 10 233 Baseboard, Complete, 2' 10 235 Baseboard, Complete, 2' 10 236 Baseboard, Complete, 4' 10 237 Baseboard, Complete, 5' 10 238 Baseboard, Complete, 5' 10 238 Baseboard, Complete, 6' 10 241 Central Therm Insulation, 8' 242 Central Therm Insulation, 8' 255 Tee, Copper Pipe, 3/4" x 3/4" sweat fittings. 10 277 90' Street Elbow, 3/4" 287 490' Street Elbow, 3/4" 287 Heat Exchanger Coil, 50k Btu 290 Fixed Aquastat, 185 F 293 PEX Hanger, 1/2' 295 FEX Hanger, 1/2' 296 PEXS Swing Check Valve, 3/4" 297 Ashtrol, 6.25 Ib 11 299 Ash Shovel 11 300 Ash Rake 11 301 Air Handler Cabinet (36" x 20" x 23") 303 Air Handler Cabinet (36" x 20" x 23") 304 Anti-Scald Mixing Valve, 1/2" NPT fittings 9 314 Nipple, 1-1/2" x closed 318 Water-to-Water Heat Exchanger, Double Wall, 42" 7 320 Vent Cap 321 Space Heater Cabinet 33 Baset-to-Water Heat Exchanger, Double Wall, 42" 7 320 Vent Cap 321 Space Heater Cabinet	571 2-Way Zone Valve, 3/4" sweat fittings 9	5998 Photoelectric Eye 13 6054 Temperature Gauge, 1/8" MPT 12 6146 Dust Cap 12 6165 Chimney Tee Cover, 10" 11 6172 Elbow, 45-degree 11 6173 Chimney Section, 8" x 24" for Tower Installation 11 6494 Draft Inducer, CL 7260 Door 12 6497 Contact Block 13 6498 Selector Switch 13 6500 Rocker Switch, Power Supply (on-off-on) 13 6501 Rocker Switch, Light Switch (on-off) 13 6507 Interval Switch 13 6507 Interval Switch 13 6507 Interval Switch 13 6576 Draft Inducer, CL 7260 Dual Fuel Cast Door 12 6533 Grounding Rod Kit 13 6648 Fuse, 5-A 13 66724 Chimney Extension, 4" 11 6751 Chimney Extension Adapter, 1/2" barb x 1/2" sweat fittings 6
238 Baseboard, Complete, 6'	846 Valvé, 1/4" 12 848 Motor Frame. 2 849 Transition 2 880 Elbow, 1/4" 12 1085 Fuse Holder 13 1087 Fuse, 2-A 13 1097 Heat Exchanger Mounting Kit 6 1247 Well, 1/2" NPT Fitting 9 1266 Linkage, All Linkage Models. 12 1270 Linkage, Wire Loop Models 12 1270 Linkage, Wire Loop Models 12 1270 Linkage, Kit, 1-1/4" 4 1280 Fan Motor 2 1310 Water Softener Cartridge 12 1311 Central PEX 1" Pipe, 100 5 1312 Central PEX 1" Pipe, 200' 5 1313 Central PEX 1" Pipe, 300' 5 1321 Central PEX 1" Pipe, 300' 5 1322 Central PEX 1" Pipe, 300' 5 1321 Central PEX 1" Pipe, 500' 5 1322 Central PEX 1/2" Pipe, 300' 5 1321 Central PEX 1/2" Pipe, 500' 5 1322 Central PEX 1/2" Pipe, 500' 5 1322 Central PEX 1/2" Pipe, 500' 5 1323 Decoiler 11 1324 PEX Adapter, 1" PEX x 1" MIP fittings 5 1325 Solder 7 1329 Manifold wiValves, 3-Loop 6 1330 PEX Adapter, 1" PEX x 3/4" MIP fittings 5	6557 Pipe Plug, Brass 1/2"8 6576 Draft Inducer CL 7260 Dual Fuel Cast Door12
242 Central Therm Insulation, 4'	851 Fan Blades	6593 Grounding Rod Kit
255 Tee, Copper Pipe, 3/4" x 3/4" x 3/4" sweat fittings 10	1085 Fuse Holder	6679 Female Adapter, 1/2" barb x 1/2" sweat fittings 6
274 90 Street Elbow, 3/4 276 90 Elbow, Copper Pipe, 3/4" x 3/4" sweat fittings 10	1087 Fuse, 2-A 1089 Fuse, 3-A 13	6724 Chimney Extension, 4
277 90° Elbow, Copper Pipe, 1° x 1° sweat fittings 10 286 Automatic Vent Valve	1097 Heat Exchanger Mounting Kit	6757 Chimney Conversion Adapter, 8"
287 Heat Exchanger Coil, 50k Btu	1248 Well, SS, 1/2" NPT Fitting	6764 Brass Offset Tee, 4"
293 PEX Hanger, 1/2"	1270 Linkage, Wire Loop Models	6773 Myson Whispa II Kickspace 9000 Hydronic Heater4
295 PLA Hangel, 1 296 Brass Swing Check Valve, 3/4"	1272 Full Prialing Rit, 1-1/4	6774 Mysori Wilispa II Soud Frydforlic Fleater 4
297 Ashtroi, 6.25 ib	1310 Water Softener Cartridge	67/6 Myson Lo-Line LL 6-4 Hydronic Heater
300 Ash Rake	1312 Central PEX 1" Pipe, 200'	6778 Mýson Slim-Line SL 60 Hydronic Heater
303 Air Handler Cabinet (39" x 25" x 28")	1314 Central PEX 1" Pipe, 500'	6780 Myson Whispa II Kickspace 5000 Hydronic Heater 4
307 Anti-Scald Mixing Valve, 1" NPT fittings	1321 Central PEX 1/2" Pipe, 500'. 5	6762 Brass Diverter Rec
308 Hoe	1322 Central PEX 1/2" Pipe, 1000	6834 Beckett Burner, oil
314 Nipple, 1-1/2" x člosed	1324 PEX Adapter, 1" PEX x 1" MIP fittings	6844 Becket Burner, oil (CL 7260)
320 Vent Cap	1329 Manifold w/Valves, 3-Loop. 6	0000 opinig . 10010102 <u>-</u> 250, <u></u>
321 Opace Fleater Gabinet	1000 FEX Adapter, 1 FEX X 5/4 Will littlings	

DEFINITIONS AND COLOR CODES

ASTM

American Society for Testing and Materials. Publishes standard specifications for terminology, labeling, testing and production.

British Thermal Unit (Btu)

The British thermal unit is a unit of measure equal to the amount of heat necessary to raise the temperature of one pound of water one degree Fahrenheit.

Conduction

A process of heat transfer whereby heat moves through a material or between two materials that are in direct contact with each other.

Convection

The transfer of heat by movement of a liquid or a gas. *Natural Convection* is a result of movement caused by changes in density as temperature changes within a fluid medium such as a liquid or a gas. *Forced Convection* is the result of mechanical force moving a fluid or gas.

Crimp

An insert fitting for Central PEX tubing. A crimp requires a crimp ring or clamp of comparable quality.

Cross-Linking

A chemical process that changes the molecular structure of a plastic material by linking otherwise independent hydrocarbon chains. Cross-Linking creates a three-dimensional network of hydrocarbons.

Differential Temperature (ΔT)

The difference in temperature between two opposing masses used to describe the potential that exists for heat transfer.

FIP

Female iron pipe thread.

FPT

Female American National Taper Pipe Thread.

HDPE

Abbreviation for high-density polyethylene.

Head Pressure

The pressure available at the outlet side of a pump, or inlet side of a flow-conducting system. It is expressed in feet of head, which is the height of a column of water that can be supported by a pump against standard atmospheric pressure.

Heating Load

The amount of energy (in Btu/hr) required for space heating.

Heat Loss

The transfer of heat from a contained space to the atmosphere surrounding it. Heat loss is the result of thermal conductivity through walls, windows, roofs and other building envelope components, as well as infiltration losses due to the exchange of inside air with outside air.

Infiltration Losses

The loss of heat energy due to infiltration which is expressed in Btu/hr. Infiltration losses are calculated from the air changes per hour, differential indoor/outdoor temperature and the heat carrying capability of the lost air.

Mean Radiant Temperature

The average temperature of all the surfaces in a room.

MPT

Male American National Taper Pipe Thread.

NPT

American National Taper Pipe Thread is a standard thread used in the US.

PE

Abbreviation for polyethylene.

Perimeter Area

Describes the first four feet around the exposed perimeter of the slab.

PEX

Abbreviated for cross-linked polyethylene.

Pressure Loss

The loss of fluid pressure between any two points in a flow-conducting system, expressed in pounds per square inch (psi). The loss of pressure is caused by friction against the tubing walls and is further influenced by the tubing size, length and texture of the inside wall of the tube, fittings, valves and other components. Pressure loss is also influenced by the temperature and viscosity of the fluid.

R-Value

A measure of a material's ability to resist the flow of heat. R-Value is expressed in Btu/hr/ft² and calculated by the formula **1/U=R**.

Radiation

The process in which energy in the form of rays of light or heat is transferred from body to body without heating the intermediate air acting as the transfer medium.

Sweat Fitting

Soldered copper pipe fitting.

Upward Load

The amount of Btu•hr required to overcome the envelope losses of the room.

Under-Slab Insulation

The amount of insulation (expressed in R-Value) under the interior area of the slab.

Thermal Conductivity (K)

A property of materials that indicates the amount of heat (in Btu) that penetrates one square foot of a uniform material one inch thick in one hour for each degree Fahrenheit difference in temperature between the surfaces. It is expressed in Btu/(hr/ft²/°F). The thermal conductivity of PEX is 0.22 Btu/(hr/ft²/°F).

Thermal Mass

Any material used to store heat energy or the affinity for heat energy.

U-Value

The capability of a material to transfer heat. Used to describe the conductance of a material or composite of materials in construction. U-Value is expressed in Btu/hr/ft² and is the inverse function of R-Value.

Velocity

The speed of fluid at a specific flow, expressed in feet per second (fps or ft/sec).

Zone

An area of a radiant panel served by one or more loops, and individually controlled (either manually or automatically).

Furnace Color Codes			
1 Black	6 Blue		
2 White	7 Red		
3 Charcoal	8 Camo		
4 Brown	9 Green		
5 Tan			

When ordering a furnace from Central Boiler, be sure to add the color code from the table above to the model number of the furnace. For example, to order a charcoal CL 5036, your order number would read as follows: **CL-5036-3**

COLOR CHART CL 4030, CL 5036, SCL 5036, CL 6048 and SCL 6048			
Color Code	Sides/Ends	Roof/Trim	
1	Black	Black	
2	White	Black	
3	Charcoal	Black	
4	Brown	Black	
5	Tan	Black	
6	Blue	Black	
7	Red	Black	
8	Camo	Black	
9	Green	Black	

When ordering a Dual Fuel Ready furnace, add the letters "DR" to the end of the furnace number. For example, to order a charcoal CL 5036 that is Dual Fuel ready, the order number would read as follows: **CL-5036-3DR**

The CL 7260 and Pallet Burner may be ordered using the following designations:

CL-7260-3DR PB-3DR

COLOR CHART				
CL 7260 and Pallet Burner				
Color Code	Sides/Ends	Roof/Trim		
3	Charcoal	Black		