

Raypak BR408ENX50 360,000 BTU Heater

ILLUSTRATED PARTS LIST

The parts listed include all potential component options for this product line. Manufacturer reserves the right to substitute, delete or change any part without notification. Replacement parts must be factory authorized.

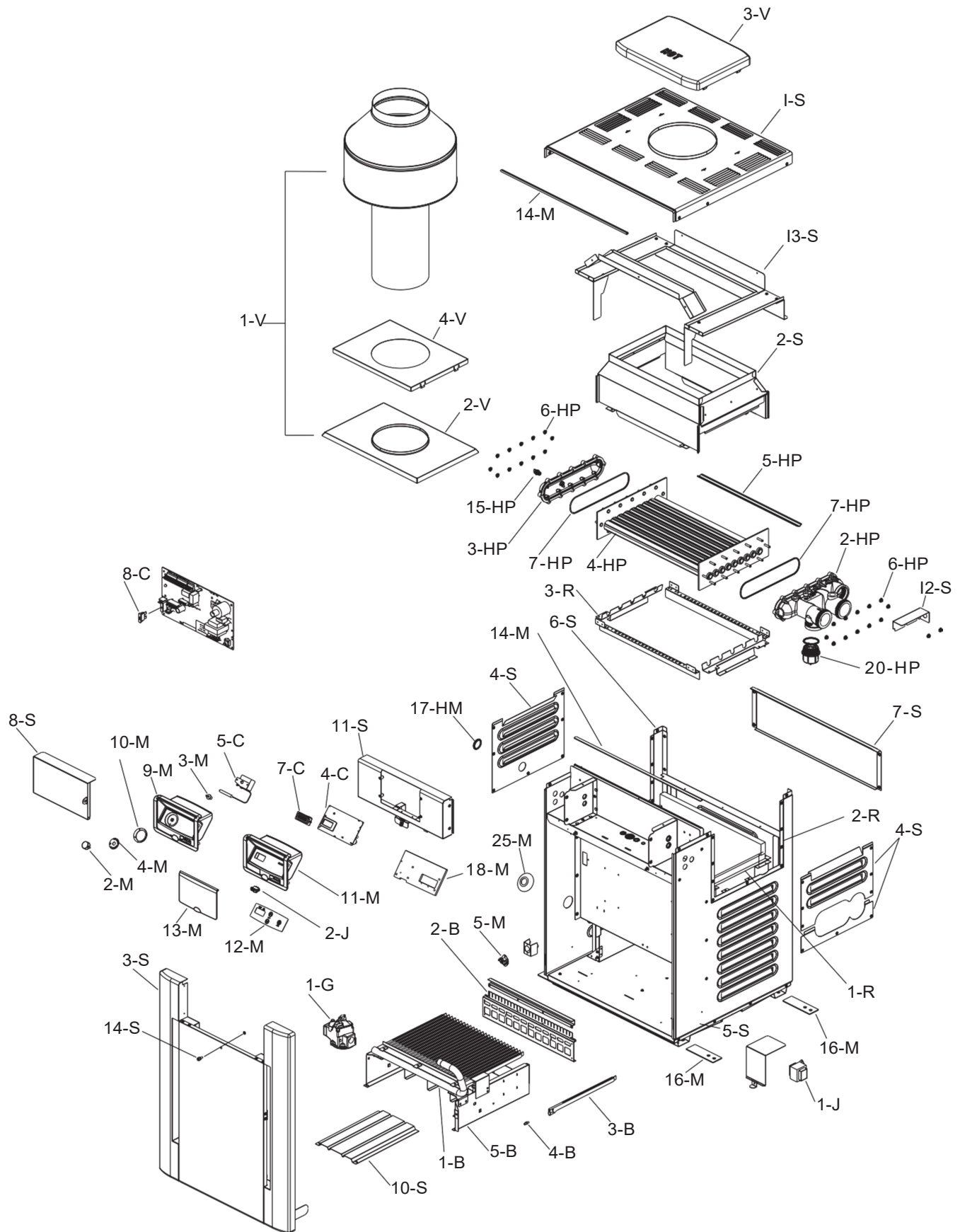
ATMOSPHERIC HEATER

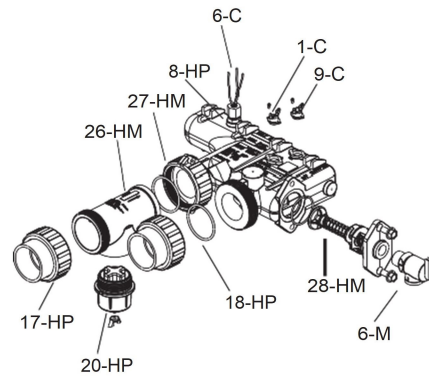
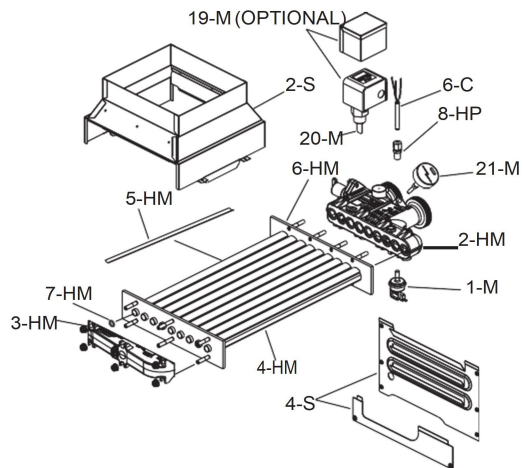
POOL MODELS 206A, 266A, 266, 336A, 399 and 406A

DATES OF MANUFACTURE: 10-22-04 THROUGH CURRENT

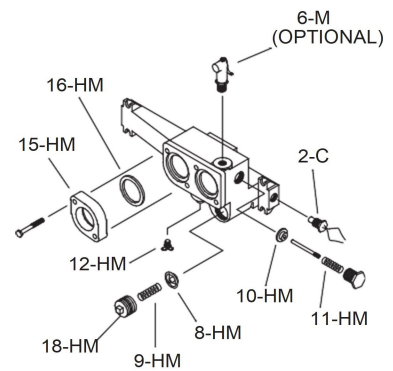
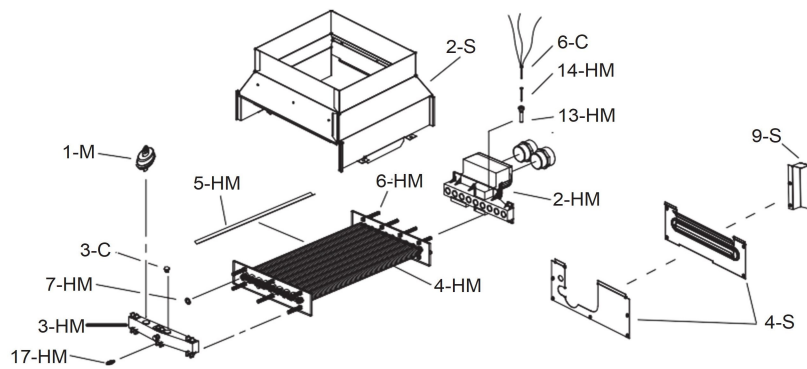


Effective: 12-16-19

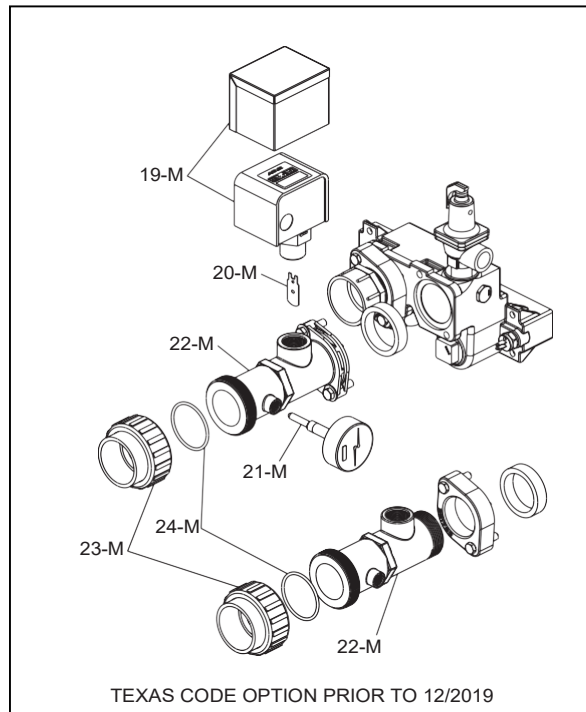
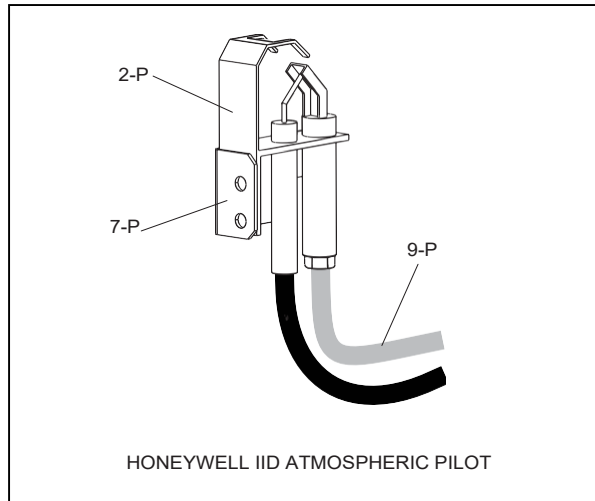
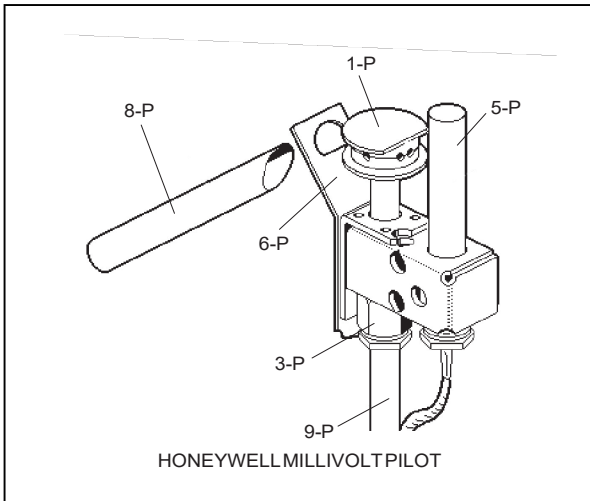
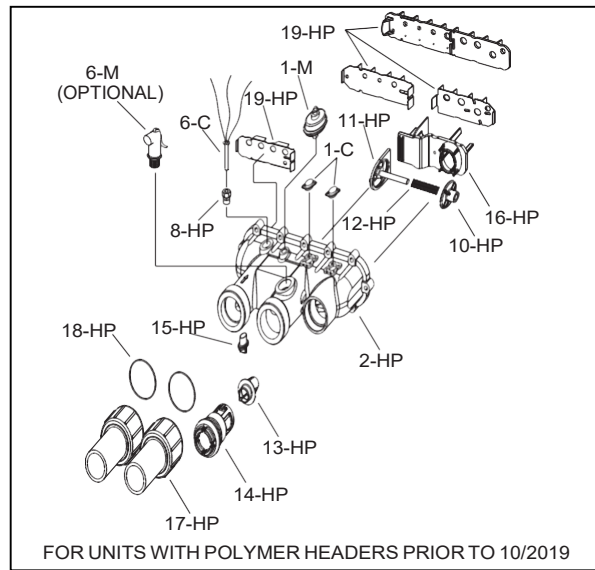
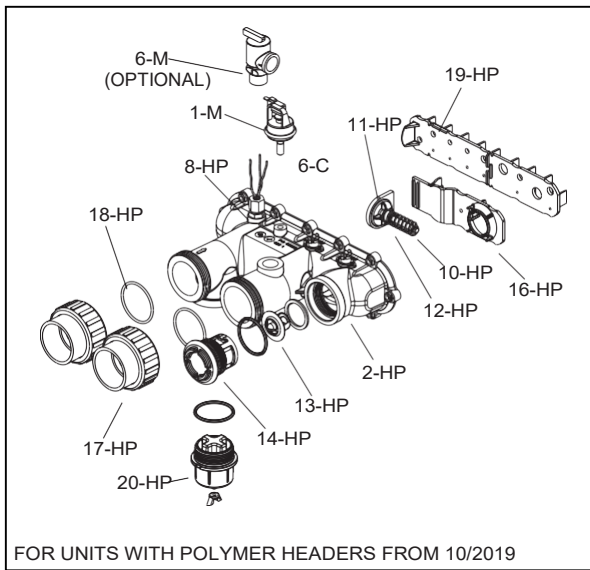




FOR UNITS WITH ASME BRASS HEADERS FROM 12/2019
(PROTEK SHIELD NOT AVAILABLE ON ASME HEATERS UNTIL MARCH 2020)



FOR UNITS WITH ASME CAST IRON HEADERS PRIOR TO 12/2019



CALL OUT	DESCRIPTION	206A	266/266A	336A	399/406A
B	BURNER TRAY				
1-B	Burner Tray w/Burners (sea level)*	010391F	010392F	010393F	010394F
	Burner Tray w/o Burners (sea level)*	010395F	010396F	010397F	010398F
	Burner Tray w/Gas Valve Nat Millivolt	010399F	010400F	010401F	010402F
	Burner Tray w/Gas Valve Pro Millivolt	010403F	010404F	010405F	010406F
	Burner Tray w/Gas Valve Nat IID	010407F	010408F	010409F	010410F
	Burner Tray w/Gas Valve Pro IID	010411F	010412F	010413F	010414F
2-B	Burner Spacer/Hold Down Kit	010415F	010416F	010417F	010418F
3-B	Burner	301210/13	301210/18	301210/22	301210/27
4-B	Burner Orifice				
	Natural Gas				
	Burner Orifice #50*	350079F/13	350079F/18	350079F/22	350079F/27
	Burner Orifice #51*	350080F/13	350080F/18	350080F/22	350080F/27
	Burner Orifice #52*	350081F/13	350081F/18	350081F/22	350081F/27
	Burner Orifice #53*	350347F/13	350347F/18	350347F/22	350347F/27
	Propane Gas				
	Burner Orifice #57*	350083F/13	350083F/18	350083F/22	350083F/27
	Burner Orifice #58*	350087F/13	350087F/18	350087F/22	350087F/27
	Burner Orifice #59*	350350F/13	350350F/18	350350F/22	350350F/27
	Burner Orifice #60*	350351F/13	350351F/18	350351F/22	350351F/27
	Burner Orifice #61*	350352F/13	350352F/18	350352F/22	350352F/27
5-B	Burner Tray w/o Manifold w/o burners	010421F	010422F	010423F	010424F
C	CONTROLS				
1-C	Thermostat Auto Reset 135 Deg Surface Mount	006725F	006725F	006725F	006725F
2-C	AGS 135° (Auto Gas Shut-Off) - Red Epoxy - prior to 12/2019	600892B	600892B	600892B	600892B
3-C	High Limit 140° - Black Epoxy - prior to 12/2019	600893B	600893B	600893B	600893B
4-C	P.C. Board/Control	013464F	013464F	013464F	013464F
7-C	LCD Display				
	Units manufactured from 5/2011	013640F	013640F	013640F	013640F
8-C	Fuse 5 AMP	013733F	013733F	013733F	013733F
5-C	Thermostat Control MV Units Mechanical	003346F	003346F	003346F	003346F
6-C	Temperature Sensor IID Units	009577F	009577F	009577F	009577F
9-C	Thermostat Manual Reset 160 Deg Surface Mount (ASME Only)	016213F	016213F	016213F	016213F
G	GAS VALVE				
1-G	Combination Valve - Nat. MV	003898F	003898F	003898F	003898F
	Combination Valve - Pro. MV	003899F	003899F	003899F	003899F
	Combination Valve - Nat. IID	003900F	003900F	003900F	003900F
	Combination Valve - Pro. IID	004306F	004306F	004306F	004306F
HP	HEAT EXCHANGER - POLYMER				
1-HP	Heat Exchanger Assy Copper ***				
	Units manufactured from 10/2019	017994F	017995F	017996F	017997F
	Units manufactured prior to 10/2019	010043F	010044F	010045F	010046F
	Heat Exchanger Assy Cupronickel ***				
	Units manufactured from 10/2019	017998F	017999F	018000F	018001F
	Units manufactured from 7/2013 thru 9/2019	014926F	014927F	014928F	014929F
	Units manufactured prior to 7/2013	010356F	010357F	010358F	010359F
2-HP	Inlet/Outlet Header Complete				
	Units manufactured from 10/2019	017959F	017959F	017959F	017959F
	Units manufactured prior to 10/2019	006827F	006827F	006827F	006827F
	Inlet/Outlet Header (Includes 6-HP)				
	Units manufactured from 10/2019	017965F	017965F	017965F	017965F
	Units manufactured prior to 10/2019	014648F	014648F	014648F	014648F
3-HP	Return Header (Includes 6-HP)	015095F	015095F	015095F	015095F
4-HP	Tube Bundle Copper ** & ***	010059F	010060F	010061F	010062F
	Tube Bundle Cupronickel ** & ***				
	Units manufactured from 7/2013	014930F	014931F	014932F	014933F
	Units manufactured prior to 7/2013	010364F	010365F	010366F	010367F
5-HP	Baffle (Copper Heat Exchanger)	010038F	005261F	010040F	010041F
	Baffle (Cupronickel Heat Exchanger)				
	Units manufactured from 6/2013	014934F	014935F	014936F	014937F
	Units manufactured prior to 6/2013	010038F	005261F	010040F	010041F
6-HP	Flange Nut Kit	008259F	008259F	008259F	008259F
7-HP	O Ring Gasket (2)	006713F	006713F	006713F	006713F
8-HP	Sensor Adapter Digital Electronic	006714F	006714F	006714F	006714F
	Sensor Well Millivolt	006805F	006805F	006805F	006805F
9-HP	Bypass Kit	006715F	006715F	006715F	006715F
10-HP	Bypass Valve	006716F	006716F	006716F	006716F
11-HP	Bypass Dam / Shaft	006717F	006717F	006717F	006717F
12-HP	Bypass Spring (All Sizes Included)	006718F	006718F	006718F	006718F
13-HP	Unitherm Governor	006719F	006719F	006719F	006719F
14-HP	Unitherm Governor Plug	006720F	006720F	006720F	006720F
15-HP	Drain Plug	006721F	006721F	006721F	006721F
16-HP	Inlet/Outlet Header Dam	N/A Use 19-HP	N/A Use 19-HP	N/A Use 19-HP	N/A Use 19-HP
17-HP	2" CPVC Connector & Nut (2)	006723F	006723F	006723F	006723F
18-HP	O Ring (2)	006724F	006724F	006724F	006724F
19-HP	Inlet/Outlet Header Baffle w/Header Dam	006826F	006826F	006826F	006826F
20-HP	ProTek Shield™ Assembly	017960F	017960F	017960F	017960F

*FOR INSTALLATION AT OVER 2,000 FEET ABOVE SEA LEVEL, DERATE 4% PER 1,000 FEET ABOVE SEA LEVEL. Refer to the heater's rating plate.

**WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve and Unitherm Governor. We recommend you replace the Unitherm Governor and inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.

***WARNING: Copper and Cupronickel heat exchangers and tube bundles are not interchangeable. Units with suffix "C" must use copper replacement parts and units with suffix "X" must use Cupronickel replacement parts.

CALL OUT	DESCRIPTION	206A	266A	336A	406A
HM	HEAT EXCHANGER - METAL				
1-HM	Heat Exchanger Assy. Copper ASME Units manufactured from 12/2019 (Brass) Units manufactured prior to 12/2019 (Cast Iron)	017983F 010051F	017984F 016193F	017985F 010053F	017986F 010054F
	Heat Exchanger Assy. Cupronickel ASME Units manufactured from 12/2019 (Brass) Units manufactured prior to 12/2019 (Cast Iron)	017987F 010360F	017988F 010361F	017989F 010362F	017990F 010363F
2-HM	Inlet/Outlet Header ASME Complete Units manufactured from 12/2019 (Brass) Units manufactured prior to 12/2019 (Cast Iron)	017961F 006730F	017961F 006730F	017992F 006730F	017992F 006730F
	Inlet/Outlet Header ASME (Header Only) Units manufactured from 12/2019 (Brass) Units manufactured prior to 12/2019 (Cast Iron)	017966F 012319F	017996F 012319F	017996F 012319F	017996F 012319F
15-HM	Inlet & Outlet Flange - prior to 12/2019	003766F	003766F	003766F	003766F
16-HM	Flange Gasket 1 1/2" Connections - prior to 12/2019 Flange Gasket 2" Connections - prior to 12/2019	062236B 800080B	062236B 800080B	062236B 800080B	062236B 800080B
3-HM	Return Header ASME Units manufactured from 12/2019 (Brass) Units manufactured prior to 12/2019 (Cast Iron)	017973F 006731F	017973F 006731F	017973F 006731F	017973F 006731F
4-HM	Tube Bundle Copper ASME * Units manufactured from 12/2019 Units manufactured prior to 12/2019	017974F 010055F	017975F 006733F	017976F 010057F	017977F 010058F
	Tube Bundle Cupronickel ASME * Units manufactured from 12/2019 Units manufactured prior to 12/2019	017978F 010368F	017979F 010369F	017980F 010370F	017981F 010371F
5-HM	Baffle	010038F	005261F	010040F	010041F
6-HM	Stud Bolt Kit Units manufactured from 12/2019 Units manufactured prior to 12/2019	017982F 007870F	017982F 007870F	017982F 007870F	017982F 007870F
7-HM	Header Gasket (9)	800014B	800014B	800014B	800014B
8-HM	Unitherm Governor	062234B	062234B	062234B	062234B
9-HM	U.G. Retainer Spring	013792F	013792F	013792F	013792F
18-HM	U.G. Plug	013738F	013738F	013738F	013738F
10-HM	Bypass Valve	016194F	016194F	016194F	016194F
11-HM	Bypass Spring Units with Plastic Bypass Valve (Units manufactured from 3/5/17) Units with Brass Bypass Valve (Units manufactured prior to 3/5/17)	016196F 013794F	016196F 013794F	016196F 013794F	016196F 013794F
12-HM	Drain Valve	013793F	013793F	013793F	013793F
13-HM	Sensor Well	003765F	003765F	003765F	003765F
14-HM	Well Retaining Clip	300203	300203	300203	300203
17-HM	Rear Drain Plug & Cover	005264F	005264F	005264F	005264F
19-HM	Adapter CPVC 2"	005393F	005393F	005393F	005393F
26-HM	Adapter - ProTek Shield (Includes 27-HM) from 3/2020	018006F	018006F	018006F	018006F
27-HM	Nut - ProTek Shield Adapter - 2-Pc from 3/2020	018007F	018007F	018007F	018007F
28-HM	U.G./Bypass Assembly	017958F	017958F	017962F	017962F
CALL OUT	DESCRIPTION	206A	266/266A	336A	399/406A
J	CONTROL BOX				
1-J	Transformer 120/240/24V	006736F	006736F	006736F	006736F
2-J	Rocker Switch	009493F	009493F	009493F	009493F
M	MISCELLANEOUS COMPONENTS				
1-M	Pressure Switch 1.75 PSI	006737F	006737F	006737F	006737F
	Pressure Switch 11 PSI Special-See Water Pressure Switch Adj.	009133F	009133F	009133F	009133F
2-M	Thermostat Knob	009499F	009499F	009499F	009499F
3-M	Thermostat Shaft MV	800307	800307	800307	800307
4-M	Knobstop	006886F	006886F	006886F	006886F
5-M	Thermal Fuse	005899F	005899F	005899F	005899F
6-M	PRV PRV - 75 PSI ASME (Brass) Units manufactured from 12/2019 PRV - 125 PSI (Optional)	017957F 008091F	017957F 007224F	017957F 007224F	017957F 007224F
7-M	Deliming Kit	052871F	052871F	052871F	052871F
8-M	Wire/Harness Millivolt Wire/Harness I/D	010386F 009490F	010386F 009490F	010386F 009490F	010386F 009490F
9-M	Control Bezel MV (Includes Dial Decal)	009489F	009489F	009489F	009489F
10-M	Dial Decal MV	009858F	009858F	009858F	009858F
11-M	Control Bezel (Includes Switch Decal) Units manufactured from 5/2011 Units manufactured prior to 5/2011	013491F 009491F	013491F 009491F	013491F 009491F	013491F 009491F
12-M	Switch/Decal-Membrane Units manufactured from 5/2011 Units manufactured prior to 5/2011	013492F 009492F	013492F 009492F	013492F 009492F	013492F 009492F
13-M	Control Bezel Cover	009487F	009487F	009487F	009487F
14-M	Gasket Insulation (Swaybrace & Jacket Top)	010350F	010350F	010350F	010350F
15-M	Touch-up Paint Green Dark Gray Cool Dark Gray Warm Dark Gray	750125 750126 750256 750258	750125 750126 750256 750258	750125 750126 750256 750258	750125 750126 750256 750258
16-M	Tie Down Bracket (Optional)	011636	011636	011636	011636
17-M	Texas Code Option (ASME Only) - Units manufactured prior to 12/2019 Flanged Connection (Not Shown) NPT Connection (Not Shown)	015889F 015890F 007142F	015889F 015890F 007142F	015889F 015890F 007142F	015889F 015890F 007142F
19-M	Flow Switch	010026F	010026F	010026F	010026F
20-M	Flow Switch Paddle	014647F	014647F	014647F	014647F
21-M	T & P Gauge				
22-M	2" CPVC Connector (Outlet Plumbing) NPT Connection Flanged Connection	013795F 015883F	013795F 015883F	013795F 015883F	013795F 015883F
23-M	2" CPVC Connector & Nut (2)	006723F	006723F	006723F	006723F
24-M	O Ring (2)	006724F	006724F	006724F	006724F
18-M	PC Board Shield (Optional)	015557F	015557F	015557F	015557F
25-M	Gas Line Finish Flange	016160F	016160F	016160F	016160F

*WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve and Unitherm Governor. We recommend you replace the Unitherm Governor and inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.

CALL OUT	DESCRIPTION	206A	266/266A	336A	399/406A
P	PILOT				
1-P	Pilot Nat. MV	600525B	600525B	600525B	600525B
	Pilot Pro. MV	600575B	600575B	600575B	600575B
2-P	Pilot Nat & Pro IID	002003F	002003F	002003F	002003F
3-P	Pilot Orifice Nat. MV	003901F	003901F	003901F	003901F
	Pilot Orifice Pro. MV	003902F	003902F	003902F	003902F
4-P	Pilot Orifice Nat. IID .020	003903F	003903F	003903F	003903F
	Pilot Orifice Pro. IID .012	004308F	004308F	004308F	004308F
5-P	Pilot Generator MV	600019B	600019B	600019B	600019B
6-P	Pilot MTG Bracket MV	010352F	010352F	010352F	010352F
7-P	Pilot Mounting Bracket IID	306692	306692	306692	306692
8-P	Lighter Tube (MV Units Only)	062996	062996	062996	062996
9-P	Pilot Tube	004078F	004078F	004078F	004078F
10-P	Hi Tension Wire IID with Pilot Electrode	N/A	N/A	N/A	N/A
11-P	Pilot Shield	010351F	010351F	010351F	010351F
R	REFRACTORY				
1-R	Refractory Common Lt & Rt	010088F	010088F	010088F	010088F
2-R	Refractory Uncommon (Front & Rear)	010089F	010090F	010091F	010092F
3-R	Refractory Retainer Kit	010387F	010388F	010389F	010390F
S	SHEETMETAL				
1-S	Jacket Top (Louvered)	010047F	010048F	010049F	010050F
2-S	Flue Collector (Units with Polymer Header)	010071F	010072F	010073F	010074F
	Flue Collector (Units with Metal Header)	010075F	010076F	010077F	010078F
3-S	Door Assy				
	Raypak				
	Cool Dark & Warm Dark Gray	013859F	013860F	013861F	013862F
	Green	010378F	010379F	010380F	010381F
	Rheem				
	Cool Dark & Warm Dark Gray	013863F	013864F	013865F	013866F
	Green	010382F	010383F	010384F	010385F
	Ruud				
	Cool Dark & Warm Dark Gray (Units mfd after 9/2012)	013859F	013860F	013861F	013862F
	Warm Dark Gray (Units manufactured prior to 9/2012)	013867F	013868F	013869F	013870F
	Green	010382F	010383F	010384F	010385F
	Jacuzzi	N/A	016698F	N/A	016699F
14-S	Screw & Retainer	006744F	006744F	006744F	006744F
4-S	Access Panel Set (3 Pcs Units with Polymer Header)	010311F	010311F	010311F	010311F
	Access Panel Set - ASME				
	Access Panel Set (3 Pcs. for BR Header)	017967F	017967F	017967F	017967F
	Access Panel Set (3 Pcs. for CI Header) - prior to 12/2019	010312F	010312F	010312F	010312F
5-S	Jacket Side Panel Right	010376F	010376F	010376F	010376F
6-S	Jacket Side Panel Left	010377F	010377F	010377F	010377F
7-S	Jacket Rear Panel (2 Pcs.)	010372F	010373F	010374F	010375F
8-S	Poolstat Cover/Lock	009505	009505	009505	009505
9-S	High Limit Cover	010319F	010319F	010319F	010319F
10-S	Base Heat Shield - prior to 10/2019	010320F	010320F	010320F	010320F
11-S	Up Front Control Panel				
	Green	010321F	010322F	010323F	010324F
	Cool Dark Gray	013887F	013888F	013889F	013890F
	Warm Dark Gray	013891F	013892F	013893F	013894F
12-S	High Limit Shield	010342F	010342F	010342F	010342F
13-S	Weather Shield	010325F	010326F	010327F	010328F
V	VENTING				
1-V	Indoor Stack Kit (Includes inner adapter panel)	009838	009839	009840	009841
	Outdoor Stack Kit (Includes inner adapter panel)	009834	009835	009836	009837
2-V	Stack Adapter	010330F	010331F	010332F	010333F
4-V	Outer Stack Adapter	011461F	011462F	011463F	011464F
3-V	"Pagoda" Top				
	Cool Dark Gray	013883F	013884F	013885F	013886F
	Green	010334	010335	010336	010337
Atmospheric CONVERSION KITS*					
Gas Conversions					
	Nat. to Pro. MV Pilot	004690B	004690B	004692B	004692B
	Pro. to Nat. MV Pilot	010419F	010419F	010420F	010420F
	Nat. to Pro. IID Pilot	**	**	**	**
	Pro. to Nat. IID Pilot	**	**	**	**

* Gas conversions are to be done only by a qualified agency.

** Conversion must be made with complete burner tray and gas valve (see item 1-B).