



## Pioneer Heating Appliance

**JOB NAME:**

**LOCATION:**

**ARCH./ENGR.:**

**WHOLESALE:**

**MECH. CONTRACTOR:**

**MODEL NUMBER:**

**TYPE OF GAS:**

**BTU/HR INPUT LOW – HIGH FIRE:**

**NOTES:**

### High Efficiency Heat Exchanger

- Copper Nickel primary with 800 H and Copper Nickel secondary tube construction
- Gasketless heat exchanger design

### Stainless Steel Buffer Tank with Built-in Dirt and Air Separation

- Tank construction of 304 L stainless steel
- System return tube with screen for built-in dirt and air separation
- 1 1/4" system return and supply connection
- Pressure relief port
- Top and bottom sensor
- Built-in low water cut-off probe

### Combustion System

- Modulating burner with up to 5 to 1 turndown
- Up to 95% thermal efficiency
- High-Grade Inconel premix burner
- Spark ignition
- Fires on Natural or LP Gas with included conversion kit
- Dual flame monitoring (Spark and Flame probe)
- Flame stabilization monitoring – Automatic adjustment of firing rate to stabilize flame signal

### Integrated Control System

- Digital operating control with LCD display three character for temperature and system monitor - LCD indicators for appliance faults (red light) and operation (green light)
- System parameters password protected
- Outdoor reset with indirect priority
- Multiple 120 volt 3 amp pump outputs – boiler pump and indirect pump
- 0-10 volt input from a building management system
- Outdoor sensor input
- DHW sensor input
- Cascade up to 8 units
- Computer monitor cable allows user to monitor system parameters – fault history – graphical monitor of system operation

### Additional Features

- 12 year limited warranty
- Vents in PVC - CPVC - stainless steel – ULC S636 flexible polypropylene vent liner (chimney lining only)
- Field wiring connection board / Cascade wiring CAT 3 or 5 / Removal low voltage connector
- Built –in condensation system
- Manual reset high limit
- Dry contact for alarm output
- Low NOx emissions – SCAQMD Certified

### Optional Equipment

- ☐ Outdoor Sensor (Part # 7250P-319)
- ☐ Indirect Sensor (Part # 7250P-325)
- ☐ System Sensor (Part # 7250P-324)
- ☐ 2" PVC Concentric Vent Kit (Part # KGAVT0501CVT)
- ☐ 3" PVC Concentric Vent Kit (Part # KGAVT0601CVT)
- ☐ 2" Stainless Steel Outside Termination Vent Kit (Part # V500)
- ☐ 3" Stainless Steel Outside Termination Vent Kit (Part # V1000)
- ☐ 4" Stainless Steel Outside Termination Vent Kit (Part # V3000)
- ☐ Condensate Neutralizer (Part # 7450P-212)
- ☐ U.L. 353 Compliant Low Water Cut-Off Interface Kit w/ Manual Reset (Part # 7450P-225 )
- ☐ Alarm System to monitor any failure (Part # 7350P-602)
- ☐ PC Connection Cable w / Software (Part # 7250P-738)
- ☐ MODBUS / BACnet (Part # 7350P-636)

