



HAYWARD®

Quick Reference Guide

Universal H-Series®

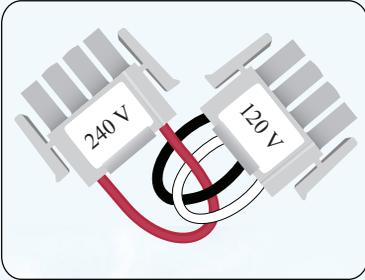


Power Selection

Prior to wiring the UHS make sure the correct voltage selector plug is inserted into the fused wiring panel.

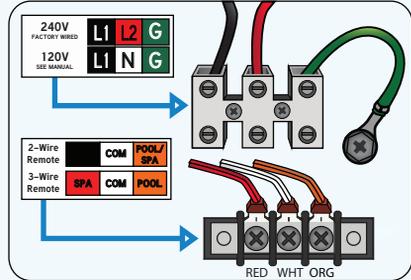
| |
|---------------------------|
| 110 - 130VAC, 2A, 50/60Hz |
| OR |
| 220 - 250VAC, 1A, 50/60Hz |

120VAC/240VAC



240VAC is the factory default

Power & Remote

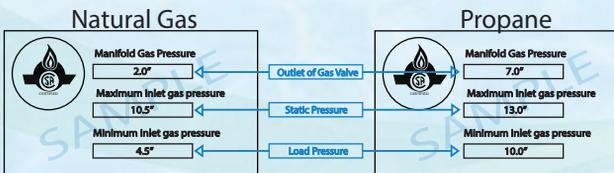


Heat Exchanger Flow Requirements

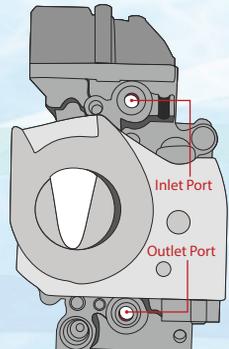
| Model | Min | Model | Min | Model | Min | Model | Min |
|--------|--------|--------|--------|--------|--------|--------|--------|
| H150FD | 20 GPM | H250FD | 25 GPM | H350FD | 30 GPM | H500FD | 40 GPM |
| H200FD | | H300FD | | H400FD | | | |

To preserve heat exchanger, set flow rates above minimum (accounting for a dirty filter). Maximum water flow = 125GPM

Gas Pressure Testing



Using a Manometer, take a measurement at the inlet port on the gas valve for both Static Pressure (heater off) & Load Pressure (heater fired); readings should be within the values on the heater data plate. Then measure the Manifold Pressure from the outlet port on the gas valve.



Quick Reference Guide - Programming

Diagnostic Codes:

- AC - Blower vacuum switch closed
- AO - Blower vacuum switch open (check voltage selector plug on new install)
- bd - Bad board or secondary high voltage fault
- CE - Communication error between control module and display interface assembly
- EE - Bad board
- HF - Flame present with gas valve not energized
- HS - Maximum return water temp exceeded and/or rapid water temp rise
- IF - Ignition failure
- IO - Igniter circuit open
- LO - Water pressure switch, vent pressure switch or temp limit switch
- PF - Voltage polarity reversed, low voltage detected
- Sb - Keypad failure (stuck button)
- SF - Temp sensor (thermistor input failure)

'bo' (bypass operation -2 wire ONLY)

- Press  to place the heater in 'STANDBY' Mode.
- Hold  &  for 3 seconds for 'bo' to appear.



Heater must be in Spa or Pool Mode for bypass operation to work

Temperature Lockout

- Press  to place heater in 'STANDBY' Mode.
- Hold the  &  for 3 seconds.
- SPA LED indicates max temp for Spa; use arrows to adjust max temp.
- Press , POOL LED indicates max temp for Pool; follow above sequence.
- Press  again to return to STANDBY.



104 (default) flashing



90 (default) flashing

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QRG-UHSe