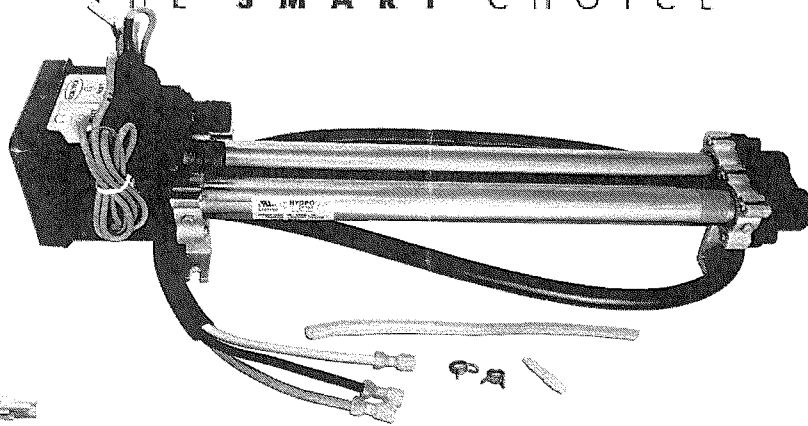


HYDROQUIP™

THE SMART CHOICE™



Heater shown with sensors installed



Adapters

WARNING! Removing the product label, disassembling, altering or damaging heater (including dry/wet firing heater) voids the product warranty

WARNING! This electrical device should be installed by an electrician or qualified pool/spa technician. If you are not qualified or do not have the knowledge to install this product correctly, stop! and contact your heater provider for assistance

STEPS FOR A SUCCESSFUL INSTALLATION

- Using the Heater Cross Reference Matrix, confirm the number on the heater data label (HQ part #) is the correct replacement for the heater being removed from the spa **Do Not** Replace heaters that are not correctly matched

HEATER CROSS REFERENCE MATRIX

HQ PART #	sensors included	CAN REPLACE THESE HEATER MODELS	Label Data
26-C3160-1S	yes	C3160-1, C3564-1, 73790, 7211	6.0/1.5kW-240V/120v 25A. / 12.5A.
26-C3160-1S-A	no		
26-C3160-2S	yes	C3160-2S, C3160-2, C3564-2	4.0/1.0kW-240V/120v
26-C3160-2S-A	no	73791, 73039, 6758	17A. / 8.5A.
26-C3182-1S	yes	C3564-3, C3182-1S, C3182-1	1.5kW/240V
26-C3182-1S-A	no	73792, 72796, 6760	6.3A.

Instructions continue on back page

2. Inspect heater for shipping or other damage. **Do not attempt to install a heater that's damaged, repaired or appears to be altered in any way.**

3. Turn heater temperature to off, turn off circuit breaker to spa and be certain the electrical power has been disconnected before performing this service.

4. After removing the old heater, place the new heater and secure all plumbing using existing clamps. Make sure plumbing lines are not blocked or kinked when finished.

5. A tubing kit has been provided to extend the bleed line when required on some models

6. Re-connect the temp sensor, high limit sensor and electrical power connections to the same location and manner as removed, making sure all connections are tightly secured.

Heater models that include sensors, also come with adapters to make plug conversions easy and fast.

7. Re-connect bare copper bonding wire to provided ground lug on the heater support leg.

8. Fill spa and restore power. Turn on pump and test for leaks.

9. Turn heater on and verify the system operates properly.

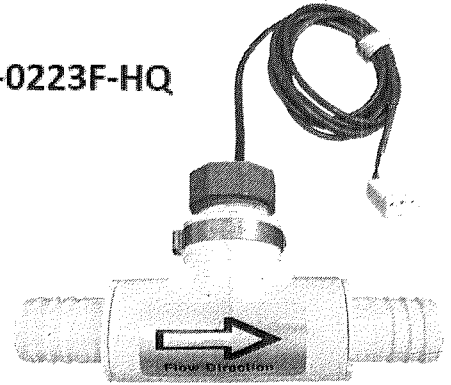
NOTE: The heater should never be allowed to operate without proper water flow. Heaters that have been dry or wet fired from improper installation, lack of water flow or alteration will not be covered by warranty.



FLOW SWITCH KIT INSTALLATION INSTRUCTIONS FOR HOT SPRINGS® AND CALDERA® LOW FLOW HEATERS

- ➔ Flow switch is calibrated for use on hot tub and spa plumbing equipped with low flow circulation pumps and heaters
- ➔ Flow switch technology provides a superior measuring method for water flow, giving heaters improved protection and a longer useful life

#48-0223F-HQ



ATTENTION! Switch should be installed by a qualified pool/spa technician. If you're not qualified or do not have the technical skill to install this product, **STOP** and contact your local spa repair professional.

▲ WARNING! Damaging by connecting to high voltage, removing wires/plug, or bending paddle arm will void product warranty.

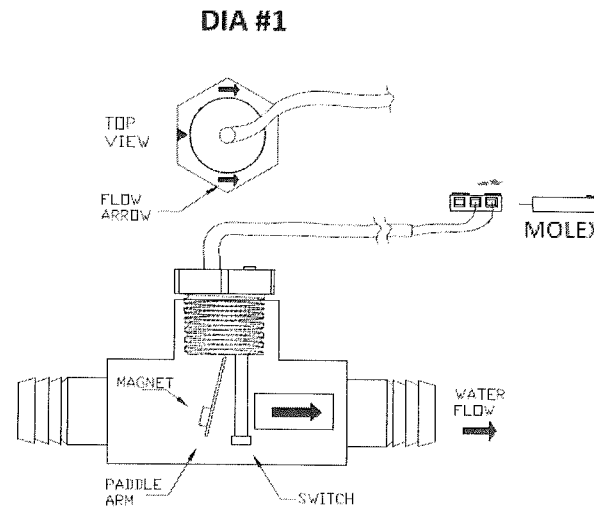
STEPS FOR A SUCCESSFUL INSTALLATION

- 1.** Read complete instructions before attempting to install
- 2.** Inspect for shipping damage. **Do Not install** if product appears damaged
- 3.** 3-pin MOLEX plug (DIA#1) should match the plug provided on switch
- 4.** Use Heater Replacement Chart to confirm correct heater replacement

Heater replacement chart

HQ Heater	Replaces	Description
26-3473-1H-5T-F	74912, C3473-1(A)	4.0kW Caldera® /Laing/Therm Trombone
26-C3072-8T-KF	76227, C3072-1(KIT)(KITNB) C3072-1X, C3072-1NS	6.0/1.5kW Hot Springs® PDR / Therm DBL
26-C3072-5T-KF	76228, C3072-2(KIT)(KITNB) C3072-2NS, C3072-2X	4.0/1.0kW Hot Springs® PDR / Therm DBL
26-C3072-4T-KF		3.0kW/ 240v. DBL
26-C3073-1T-KF	73790, C3073-1(KIT)(KITNB)	1.5kW/240v. Hot Springs® PDR / Therm DBL

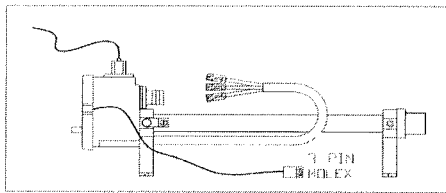
- 5.** After the replacement heater has been installed, cut a 3" section out of the water outlet (discharge) side of the heater tubing at the location shown in DIA#2 or DIA#3 on reverse side
- 6.** Install switch with the flow arrow pointing away from the heater (DIA #1-#2) and reconnect using the clamps provided
- 7.** Connect MOLEX plug at the same circuit board location as pressure switch plug was located
- 8.** Follow heater installation instructions for operation and testing of the flow switch



Instructions continue on reverse side

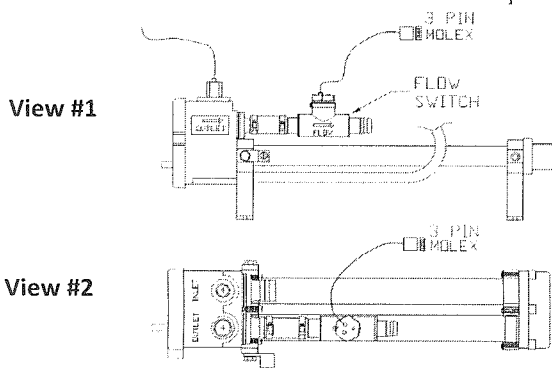
ATTENTION! The heater will not operate if the flow switch is installed backwards (flow arrow facing the wrong direction)
Do not install an ozone injector between heater and flow switch.

Ref. view of heater with pressure switch

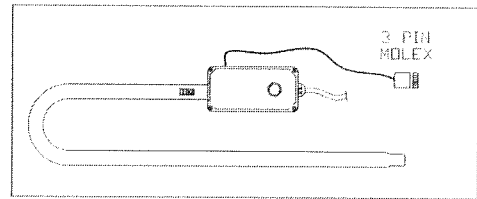


DIA #2

Hybrid heater showing flow switch plumbing location

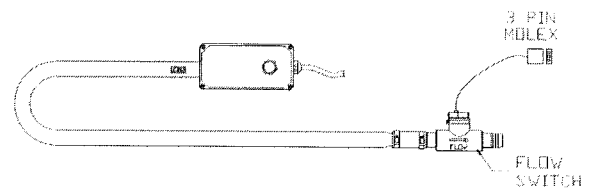


Ref. view of heater with pressure switch



DIA #3

Hybrid heater showing flow switch plumbing location



TROUBLESHOOTING FLOW SWITCHES

Problem: No heat

1. Confirm spa program is set to "heat" and circ. pump is moving water
2. Look for slow flow condition (dirty filter, pinched hose, clogged pump)
3. Cord damage or plug placed incorrectly on circuit board pin location
4. Flow switch placed in plumbing backwards (flow arrow wrong direction)
5. Paddle arm damage, or debris in switch (remove and clean DIA #1)
6. Magnet broken off from paddle arm (remove and inspect DIA #1)
7. Contact product supplier or local service professional for additional help

Problem: Switch makes noise

1. Too much water flow (13GPM+) causing paddle arm vibration
2. Debris caught in switch body

Problem: Switch is on when pump is off

1. Switch placed in plumbing vertically or upsidedown
2. Debris caught in switch body, or paddle arm bent (Ref. DIA #1)

▲ WARNING! Never operate heater without water flow, never bypass or remove a safety switch

WARRANTY GUIDLINES

All warranty claims and product returns must be handled through your product provider (no exceptions) Product returns determined to have shipping, installation, or operation damage, alteration, or abused will not be considered for warranty.