



3CS SANITIZING SINK HEATERS

Models 3CS-3, 3CS-4, 3CS-6, 3CS-9, 3CS-3B, 3CS-4B, 3CS-6B, 3CS-9B

The Hatco 3CS Sanitizing Sink Heater makes manual warewashing faster and more convenient. It maintains a continuous supply of sanitizing rinse water without taking up valuable sink space.

FLEXIBILITY

Designed to fit under the center of the sink, the 3CS is perfect for 3- or 4-compartment sinks, pot and pan sinks, and bar sinks.

The 3CS features a unique dual reservoir system. One reservoir contains the heating element and should always be filled with water. The other reservoir traps and collects soil carried from other sink compartments. This reservoir is easily emptied after each use by a convenient drain.

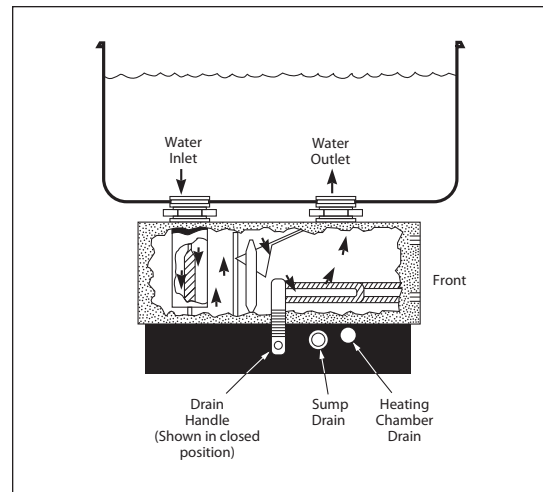
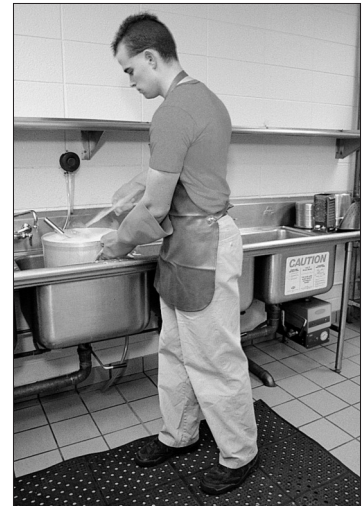
QUALITY

The following features assure the finest performance for years to come:

- All models include stainless steel front, powdercoated silver-gray hammertone body, and convenient side drain.
- Every Hatco 3CS is equipped with an ECO (Energy Cut-Off) wired into the electrical circuit. This built-in protection "breaks" the power to the elements if the temperature of the water goes above the normal thermostat setting.
- An on-off toggle switch activates the heater and a yellow light indicates when power is on. A red light is an overtemp indicator pointing out the need to refill the unit with water and reset the unit.
- Each 3CS model features a stainless steel tank with a five-year warranty.
- Available with an optional temperature monitor or temperature light that indicates when water reaches the sanitizing temperature.
- The 3CS is shipped ready to install with all gaskets and fittings.
- Meets NSF Standard of 180°F (82°C) for dish sanitizing.



3CS-6 with optional temperature monitor



WATER QUALITY REQUIREMENTS

Incoming water in excess of 3.0 grains of hardness per gallon (GPG) (.75 grains of hardness per liter) must be treated and softened before being supplied to water heater(s). Water containing over 3.0 GPG (.75 GPL) will decrease the efficiency and reduce the operating life of the unit.

Note: Product failure caused by liming or sediment buildup is not covered under warranty.



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Form No. 3CS Spec Sheet

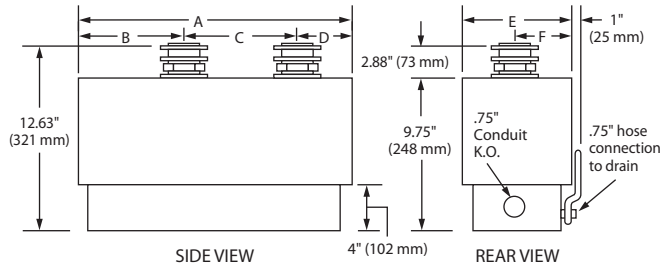
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Models 3CS-3, 3CS-4, 3CS-6, 3CS-9, 3CS-3B, 3CS-4B, 3CS-6B, 3CS-9B



DIMENSIONS

Single or 3-Phase: 6.75"W x 16.88"D x 12.63"H (171 x 429 x 321 mm).
Balanced 3-Phase: 8"W x 17.13"D x 12.63"H (203 x 435 x 321 mm).
3CS-9 480V model: 8"W x 17.13"D x 12.63"H (203 x 435 x 321 mm).

Model	A	B	C	D	E	F
1- or 3-phase	16.88"	5.5"	8.5"	2.88"	6.75"	3.38"
	429 mm	140 mm	216 mm	73 mm	171 mm	86 mm
Bal. 3-phase	17.13"	4.63"	8.5"	4"	8"	4"
	435 mm	117 mm	216 mm	102 mm	203 mm	102 mm

VOLTAGE

208 or 240 volts, 50/60 Hz standard. 480 volts and CSA wiring for Canada available.
Export voltages available.

ELECTRICAL RATINGS

208 Volts kW Rating	Phase	Amps	Wire Size AWG	Fuse or Circuit Breaker
3.0	1	14.5	12	20
4.5	1	22	10	30
6.0	1	29	8	40
6.0	3*	25	8	40
6.8	3 (Bal.)	18.8	10	30
9.0	1	43	4	60
9.0	3*	37	6	50
9.0	3 (Bal.)	25	10	40

240 Volts kW Rating	Phase	Amps	Wire Size AWG	Fuse or Circuit Breaker
3.0	1	12.5	12	20
4.5	1	19	10	30
6.0	1	25	8	40
6.0	3*	22	10	30
6.0	3 (Bal.)	14.4	12	20
9.0	1	38	6	50
9.0	3*	33	8	40
9.0	3 (Bal.)	22	10	30

480 Volts kW Rating	Phase	Amps	Wire Size AWG	Fuse or Circuit Breaker
3.0	1	6.3	14	15
4.5	1	9.4	14	15
6.0	1	12.5	12	20
6.0	3*	10.8	14	15
6.0	3 (Bal.)	7.2	14	15
9.0	1	18.8	10	30
9.0	3*	16.2	12	20
9.0	3 (Bal.)	10.8	14	15

* Open Delta – standard construction (Amperage higher than balanced 3-phase).

SPECIFICATIONS

Model	kW	Phase	Sink Area	Shipping Weight
3CS-3	3.0	1	15" (381 mm) Sq. or less	24 lbs. (11 kg)
3CS-4	4.5	1	16"-18" (406-457 mm) Sq.	24 lbs. (11 kg)
3CS-6	6.0	1 or 3*	19"-21" (483-533 mm) Sq.	27 lbs. (12 kg)
3CS-9	9.0	1 or 3*	21"-25" (533-635 mm) Sq.	27 lbs. (12 kg)
3CS-3B†	3.0	3	15" (381 mm) Sq. or less	30 lbs. (14 kg)
3CS-4B†	4.5	3	16"-18" (406-457 mm) Sq.	30 lbs. (14 kg)
3CS-6B†	6.0	3	19"-21" (483-533 mm) Sq.	30 lbs. (14 kg)
3CS-9B†	9.0	3	21"-25" (533-635 mm) Sq.	30 lbs. (14 kg)

* Open delta on 3-phase. Larger circuit required than for balanced 3-phase of equal kW.

† Balanced 3-phase.

SIZING INFORMATION

For a Sink Heater: 2000 watts per sq. ft. (2,2 watts per sq. cm) of vessel top.

3CS Sink Heaters are sized based on 140°F (60°C) supply water with a 30-minute preheat period to reach the sanitizing temperature. Sink Heaters are mounted in the center of the third compartment sink with standard plumbing fittings provided. Two 2" (51 mm) diameter holes are required for these fittings and a full-size template is provided to locate holes in the sink. The 3CS Sink Heater is easily attached to the plumbing fittings with self-contained unions.

OPTIONS (NOT FOR RETROFIT)

- Stainless Steel Body and Base
- Temperature Monitor (Not available with Light)
- Temperature Light (Not available with Monitor)
- Wiring to CSA Specifications (Canada only)

- Shipboard use
- Security Package

ACCESSORIES

- Flush Hose Kit

PRODUCT SPECS

Sanitizing Sink Heater

The electric heater to maintain the final sanitizing rinse in a third compartment sink shall be a Hatco Model ... as manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

With 24/7 parts and service assistance (US and Canada only) the Third Compartment Sink Heater shall be rated at ... kW, ... volts, ... phase. The heater shall be complete with all internal plumbing and wiring ready for external installation to the bottom of sink.

The heater tank shall be of stainless steel construction and dual reservoir design; one reservoir to contain a permanently submerged heating element, the other to trap and collect soil which can be emptied easily by a convenient drain.

The sink heater shall be equipped with an on-off reset switch and optional indicator lights (or gauge) to signal operating conditions.

The heater shall consist of stainless steel front and powder-coated silver-gray hammertone body (or stainless steel body and base).

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