



Project _____

Item # _____

Quantity _____

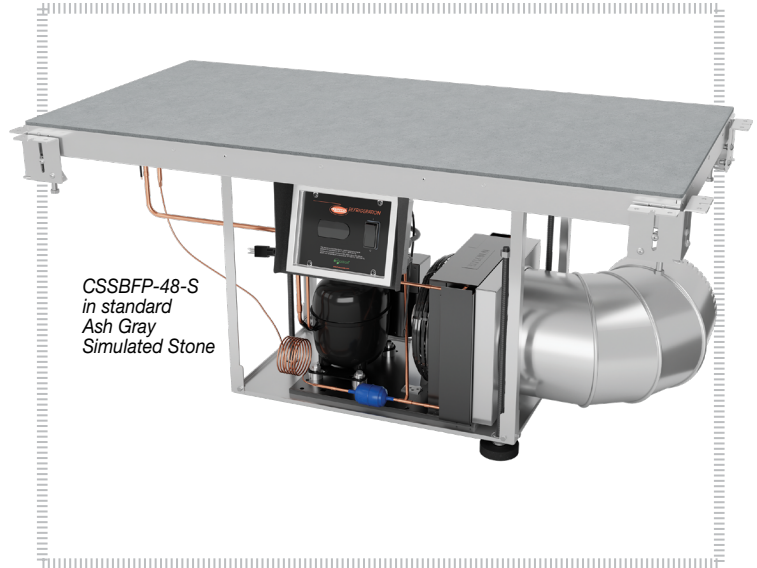
R-290 Cold Built-In Flush Top Simulated Stone Shelves

Models: CSSBFP-24-F, -24-I, -24-S, -36-F, -36-I, -36-S, -48-F, -48-I, -48-S

Hatco's R-290 Cold Built-In Flush Top Simulated Stone Shelves are designed to keep your products in the perfect chill zone using environmentally friendly R-290 refrigerant. They are a must for buffet lines in cafeterias, restaurants and much more! These sturdy, foodsafe shelves are available in three attractive simulated stone colors.

Standard features

- CSSBFP condenser utilizes environmentally friendly R-290 refrigerant
- Patented thermal break reduces condensation and temperature transfer on adjacent surfaces
- All units have an Electronic Temperature Control Box with a 4' (1219 mm) lead wire (Standard)
- Control box can be mounted on the front of the cabinet, 4' (1219 mm) from center of shelf
- All models are bottom mount units, flush to countertop
- All models not available with CE Mark
- Models with simulated stone finishes are Swanstone®



CSSBFP-48-S
in standard
Ash Gray
Simulated Stone

Options (available at time of purchase only)

Simulated Stone Finishes – Swanstone – Ash Gray Standard –
Non-standard colors are non-returnable
 Birch Ice

Condenser Location Beneath Unit
(CSSBFP-24-F, -24-I & -24-S Units are Center Aligned Only)
 Left-Aligned Condenser (Standard) Center-Aligned Condenser



For colors and finishes, please refer to the Color Chip Chart.



For operation, location and safety information, please refer to the Installation and Operating Manual.



(For 120V only)

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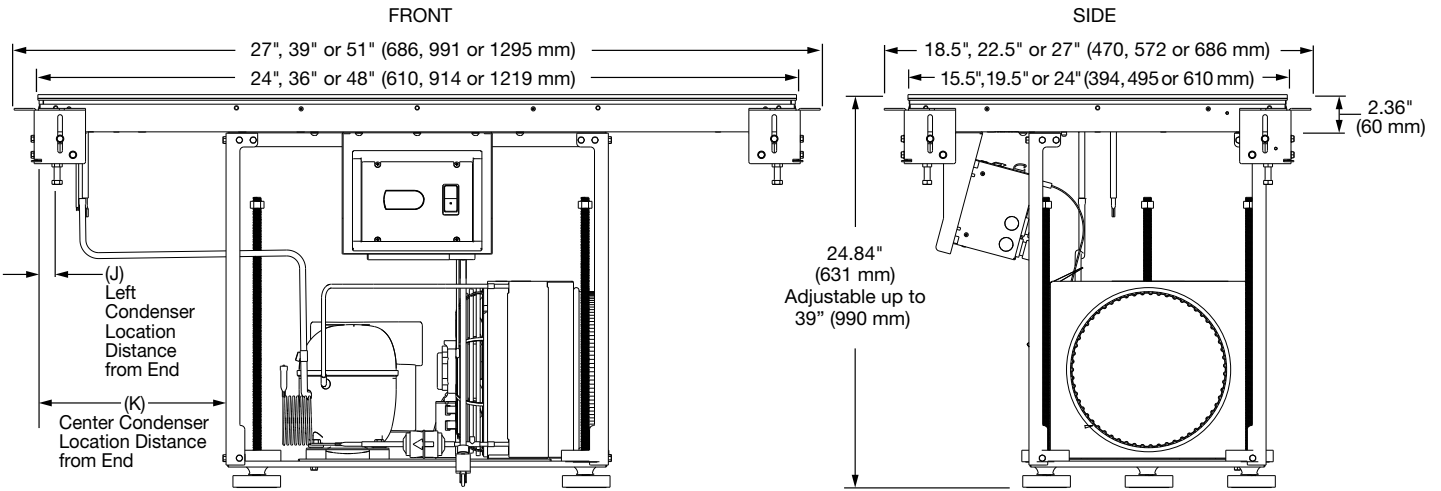
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R-290 Cold Built-In Flush Top Simulated Stone Shelves

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CSSBFP



R-290 Condenser Location on Cold Built-In Flush Top Simulated Stone Shelves

| Model | (J) Left Condenser Distance from the Left Side | (K) Center Condenser Distance from the Left Side |
|-------------|--|--|
| CSSBFP-24-F | N/A | .81" (21 mm) |
| CSSBFP-24-I | N/A | .81" (21 mm) |
| CSSBFP-24-S | N/A | .81" (21 mm) |
| CSSBFP-36-F | 3.16" (80 mm) | 5.81" (148 mm) |
| CSSBFP-36-I | 3.16" (80 mm) | 5.81" (148 mm) |
| CSSBFP-36-S | .91" (302 mm) | 5.81" (148 mm) |
| CSSBFP-48-F | 3.16" (80 mm) | 11.81" (300 mm) |
| CSSBFP-48-I | 3.16" (80 mm) | 11.81" (300 mm) |
| CSSBFP-48-S | .91" (302 mm) | 11.81" (300 mm) |

CUTOUT DIMENSIONS

Refer to the Installation and Operating Manual for more information.

| Model | Width | Depth |
|-------------|---------------------------|---------------------------|
| | with 0.375" (10 mm) radii | with 0.375" (10 mm) radii |
| CSSBFP-24F | 24.375" (619 mm) | 15.875" (403 mm) |
| CSSBFP-24-I | 24.375" (619 mm) | 19.875" (505 mm) |
| CSSBFP-24-S | 24.375" (619 mm) | 24.375" (619 mm) |
| CSSBFP-36-F | 36.375" (924 mm) | 15.875" (403 mm) |
| CSSBFP-36-I | 36.375" (924 mm) | 19.875" (505 mm) |
| CSSBFP-36-S | 36.375" (924 mm) | 24.375" (619 mm) |
| CSSBFP-48-F | 48.375" (1229 mm) | 15.875" (403 mm) |
| CSSBFP-48-I | 48.375" (1229 mm) | 19.875" (505 mm) |
| CSSBFP-48-S | 48.375" (1229 mm) | 24.375" (619 mm) |

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R-290 Cold Built-In Flush Top Simulated Stone Shelves

Models: CSSBFP-24-F, -24-I, -24-S, -36-F, -36-I, -36-S, -48-F, -48-I, -48-S

SPECIFICATIONS

R-290 Cold Built-In Flush Top Simulated Stone Shelves

The shaded areas contain electrical information for International models

| Model | Overall Dimension [†] W x D x H | Usable Shelf Space W x D of cooled surface | Compressor Size HP | Voltage* | Watts | Amps | Hz | Plug | Total Heat of Rejection (BTU/Hr) | Approx. Ship Weight | |
|-------------|--|---|-----------------------|----------|-------|----------------------------|----------------------------|------------------------------------|-------------------------------------|------------------------|--------------------|
| CSSBFP-24-F | 27" x 18.5" x 24.84" (686 x 470 x 631 mm) | 24" x 15.5" (610 x 394 mm) | 1/3 | 1/5 | 120 | 345 | 5.2 | 60 | NEMA 5-15P | 1852 | 114 lb. (52 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2026 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| | | | | | 240 | 396 | 3.3 | | | | |
| | | | | 60 | 220 | 333 | 3.0 | CEE 7-7 Schuko BS-1363 | 2026 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| 240 | 396 | 3.3 | | | | | | | | | |
| CSSBFP-24-I | 27" x 22.5" x 24.84" (686 x 572 x 631 mm) | 24" x 19.5" (610 x 495 mm) | 1/3 | 1/5 | 120 | 345 | 5.2 | 60 | NEMA 5-15P | 1992 | 124 lb. (56 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2166 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| | | | | | 240 | 396 | 3.3 | | | | |
| | | | | 60 | 220 | 333 | 3.0 | CEE 7-7 Schuko BS-1363 | 2166 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| 240 | 396 | 3.3 | | | | | | | | | |
| CSSBFP-24-S | 27" x 27" x 24.84" (686 x 686 x 631 mm) | 24" x 24" (610 x 610 mm) | 1/3 | 1/5 | 120 | 345 | 5.2 | 60 | NEMA 5-15P | 2150 | 134 lb. (61 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2324 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| | | | | | 240 | 396 | 3.3 | | | | |
| | | | | 60 | 220 | 333 | 3.0 | CEE 7-7 Schuko BS-1363 | 2324 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| 240 | 396 | 3.3 | | | | | | | | | |
| CSSBFP-36-F | 39" x 18.5" x 24.84" (991 x 470 x 631 mm) | 36" x 15.5" (914 x 394 mm) | 1/3 | 1/5 | 120 | 345 | 5.2 | 60 | NEMA 5-15P | 2123 | 143 lb. (65 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2297 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| | | | | | 240 | 396 | 3.3 | | | | |
| | | | | 60 | 220 | 333 | 3.0 | CEE 7-7 Schuko BS-1363 | 2297 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| 240 | 396 | 3.3 | | | | | | | | | |
| CSSBFP-36-I | 39" x 22.5" x 24.84" (991 x 572 x 631 mm) | 36" x 19.5" (914 x 495 mm) | 3/8 | 1/3 | 120 | 440 | 6.5 | 60 | NEMA 5-15P | 2609 | 155 lb. (70 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2459 | | |
| | | | | | 230 | 364 | 3.2 | | | | |
| | | | 60 | 240 | 396 | 3.3 | CEE 7-7 Schuko, BS-1363 | 2459 | | | |
| | | | | 220 | 333 | 3.0 | | | | | |
| | | | | 230 | 364 | 3.2 | | | | | |
| 1/3 | 240 | 396 | 3.3 | | | | | | | | |
| | CSSBFP-36-S | 39" x 27" x 24.84" (991 x 686 x 631 mm) | 3/8 | 1/3 | 120 | 440 | 6.5 | 60 | NEMA 5-15P | 2821 | 167 lb. (78 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2671 | | |
| 230 | | | | | 364 | 3.2 | | | | | |
| 60 | | | 240 | 396 | 3.3 | CEE 7-7 Schuko, BS-1363 | 2671 | | | | |
| | | | 220 | 333 | 3.0 | | | | | | |
| | | | 230 | 364 | 3.2 | | | | | | |
| 1/3 | 240 | 396 | 3.3 | | | | | | | | |
| | CSSBFP-48-F | 51" x 18.5" x 24.84" (1295 x 470 x 631 mm) | 3/8 | 1/3 | 120 | 440 | 6.5 | 60 | NEMA 5-15P | 2664 | 144 lb. (65 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2671 | | |
| 230 | | | | | 364 | 3.2 | | | | | |
| 60 | | | 240 | 396 | 3.3 | CEE 7-7 Schuko, BS-1363 | 2514 | | | | |
| | | | 220 | 333 | 3.0 | | | | | | |
| | | | 230 | 364 | 3.2 | | | | | | |
| 1/3 | 240 | 396 | 3.3 | | | | | | | | |
| | CSSBFP-48-I | 51" x 22.5" x 24.84" (1295 x 572 x 631 mm) | 3/8 | 1/3 | 120 | 440 | 6.5 | 60 | NEMA 5-15P | 2915 | 173 lb. (78 kg) |
| | | | | 50 | 220 | 333 | 3.0 | CEE 7-7 Schuko, BS-1363, AS3112 | 2765 | | |
| 230 | | | | | 364 | 3.2 | | | | | |
| 60 | | | 240 | 396 | 3.3 | CEE 7-7 Schuko, BS-1363 | 2765 | | | | |
| | | | 220 | 333 | 3.0 | | | | | | |
| | | | 230 | 364 | 3.2 | | | | | | |
| 1/3 | 240 | 396 | 3.3 | | | | | | | | |
| | CSSBFP-48-S | 51" x 27" x 24.84" (1295 x 686 x 631 mm) | 1/2 | 1/2 | 120 | 560 | 9.3 | 60 | NEMA 5-15P | 4318 | 195 lb. (89 kg) |
| | | | | 50 | 220 | 454 | 4.1 | CEE 7-7 Schuko, BS-1363, AS3112 | 4250 | | |
| 230 | | | | | 496 | 4.3 | | | | | |
| 60 | | | 240 | 540 | 4.5 | CEE 7-7 Schuko, BS-1363 | 4373 | | | | |
| | | | 220 | 484 | 4.4 | | | | | | |
| | | | 230 | 529 | 4.6 | | | | | | |
| 5/8 | 240 | 576 | 4.8 | | | | | | | | |

* All voltages are non-CE.

† Height is adjustable up to 39" (990 mm).

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R-290 Cold Built-In Flush Top Simulated Stone Shelves

Models: CSSBFP-24-F, -24-I, -24-S, -36-F, -36-I, -36-S, -48-F, -48-I, -48-S*

R-290 REFRIGERANT OPERATING SPECIFICATIONS IN 75°F (24°C) AMBIENT



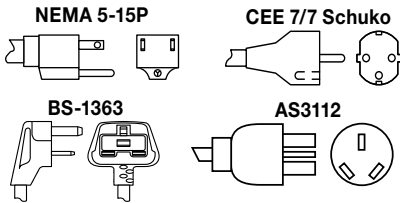
(Refer to the Installation section in the Installation and Operating Manual on the [Hatco website](#))

- Suction Pressure: 12-23 PSIG (0.82-1.6 Bar)
- Discharge Pressure: 130-180 PSIG (8.9-12.4 Bar)
- Superheat: 4-50° F (2.2 to 28°C)
- Subcooling: 4-10° F (2.2 to 5.6°C)

FACTORY FILL RATES for R-290 REFRIGERANT

| Model | Fill Weight |
|-------------|--------------------|
| CSSBFP-24-F | 2.9 oz. (0.082 kg) |
| CSSBFP-24-I | 3.0 oz. (0.085 kg) |
| CSSBFP-24-S | 3.1 oz. (0.088 kg) |
| CSSBFP-36-F | 3.1 oz. (0.088 kg) |
| CSSBFP-36-I | 2.7 oz. (0.076 kg) |
| CSSBFP-36-S | 2.8 oz. (0.079 kg) |
| CSSBFP-48-F | 2.7 oz. (0.076 kg) |
| CSSBFP-48-I | 2.9 oz. (0.082 kg) |
| CSSBFP-48-S | 4.2 oz. (0.119 kg) |

PLUG CONFIGURATION



PRODUCT SPECS

R-290 Cold Built-In Flush Top Simulated Stone Shelves

The patented R-290 Cold Built-In Flush Top Simulated Stone Shelves shall be model ... as manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.
 The R-290 Cold Built-In Flush Top Simulated Stone Shelves shall be rated at ... watts, ... volts, and ... inches (millimeters) in overall width.

It shall utilize R-290 refrigerant and consist of foodsafe simulated stone material surface shelf assembly, a condenser attached to evaporator with cord and plug attached, and attached Electronic Temperature Control Box.

Warranty consists of 24/7 parts and service assistance (U.S. and Canada only).

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