



Project \_\_\_\_\_

Item # \_\_\_\_\_

Quantity \_\_\_\_\_



# Remote Drop-In Frost Tops

Models: FTBR-1, -2, -3, -S2, -S3

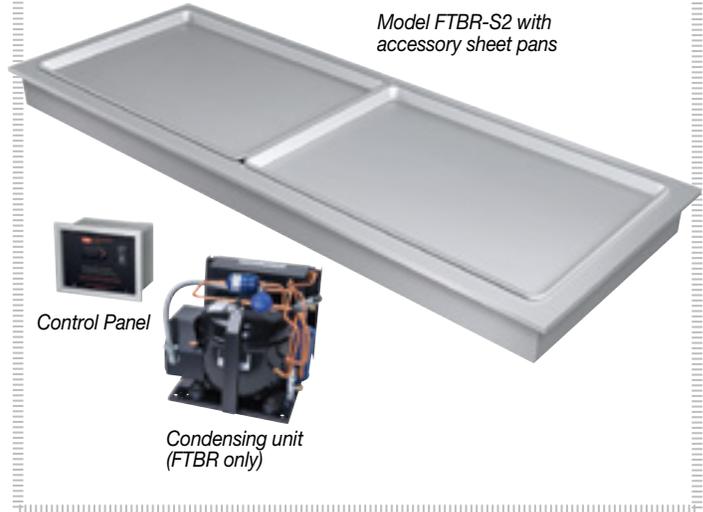
FTBX-1, -2, -3, -S2, -S3

The Hatco Remote Drop-In Frost Top keeps pre-chilled beverages, snacks, hors d'oeuvres and side dishes cool and ready to serve, but in remote configurations that offer flexibility for your particular kitchen design needs. Also available in a Slim Line Series, providing wider access to your customer, regardless of the sneeze guards.

## Standard features

- Available in 1-, 2 and 3-pan models as well, as 2- and 3-pan slim configurations
- Accommodates full-size and half-size sheet pans
- NSF 7 approved cold wall construction utilizes a refrigerant that keeps food product cold without drying it out
- Auto-defrost is activated through an advanced electronic controller programmed at the customer location
- 1" NPSM brass drain simplifies cleaning (excluding FTBR-1 and FTBX-1)
- Matches the Hatco line of Heated Wells for an integrated look
- **FTBR models only:**
  - Condenser utilizes R-513A refrigerant
  - Include a condensing unit (shipped loose, can be field mounted up to 50 feet [15.24 meters] of tubing from unit) and a control panel (shipped loose - probe wires are 9 feet [2.7 meters]) for installing in more convenient or desirable locations
- **FTBX models only:**
  - Include a control panel (shipped loose - probe wires are 9 feet [2.7 meters mm]) but shipped without a condensing unit for the increased flexibility of multiple Frost Top configurations

Remote models consist of these components shipped loose



## Options (available at time of purchase only)

- Additional Four-Year Parts Only Warranty on Compressor (FTBR only) (not available for export voltages)

## Accessories

- Half-Size Pan (18"W x 13"D [457 x 330 mm])
- Full-Size Pan (18"W x 26"D [457 x 660 mm])



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



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# Remote Drop-In Frost Tops

Models: FTBR-1, -2, -3, -S2, -S3, FTBX-1, -2, -3, -S2, -S3

## Ordering Instructions:

Please specify the following with each order:

### 1. Desired Voltage:

120 or 220-240V

### 2. Number of Full-Size Sheet Pans Accommodated:

1-, 2-, 3-pan as rectangular,

sheet pan with Slim or Standard configuration

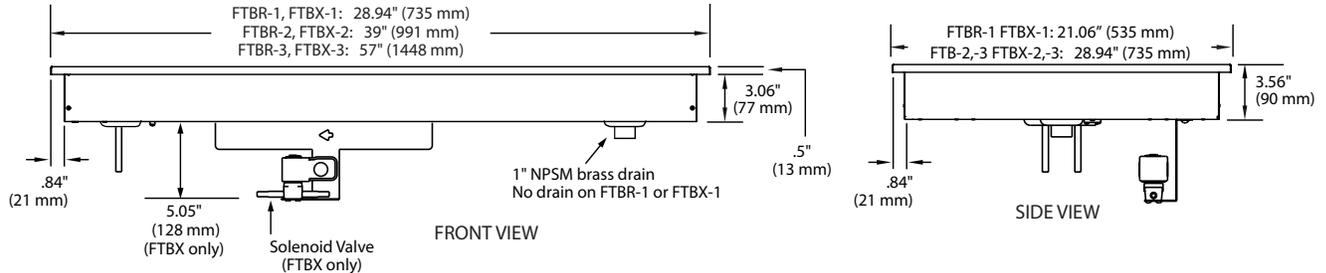
### 3. Remote Refrigeration:

**Note:** Shipped loose: Frost Top, Control Panel (Probe wires are 9 feet [2.7 meters]) and a TXV valve

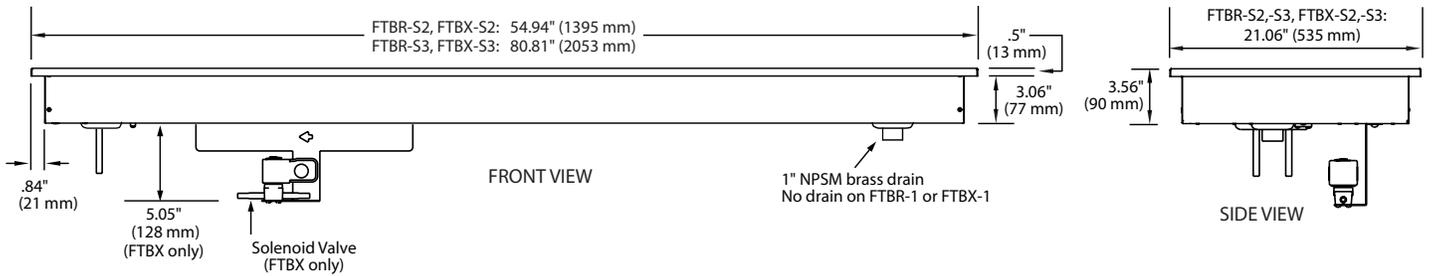
A. FTBR with a condensing unit - may be field mounted up to 50' (15.24 meters) of tubing from the unit - that is shipped loose

B. FTBX without a condensing unit (Solenoid Valve attached to Frost Top)

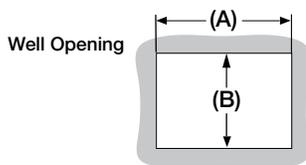
## Model FTBR-1, -2, -3, FTBX-1, -2, -3



## Model FTBR-S2, -S3, FTBX-S2, -S3



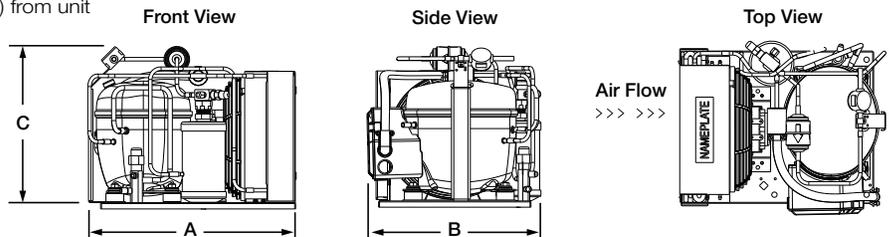
## Cutout Dimensions for Remote Frost Tops



Model	Minimum Width (A)	Maximum Width (A)	Minimum Depth (B)	Maximum Depth (B)
FTBR-1, FTBX-1	27.44" (697 mm)	28" (711 mm)	19.44" (494 mm)	20.125" (511 mm)
FTBR-2, FTBX-2	37.375" (949 mm)	38" (965 mm)	27.31" (694 mm)	28" (711 mm)
FTBR-3, FTBX-3	55.375" (1407 mm)	56" (1422 mm)	27.31" (694 mm)	28" (711 mm)
FTBR-S2, FTBX-S2	53.31" (1354 mm)	54" (1372 mm)	19.44" (494 mm)	20.125" (511 mm)
FTBR-S3, FTBX-S3	79.19" (2011 mm)	79.875" (2029 mm)	19.44" (494 mm)	20.125" (511 mm)

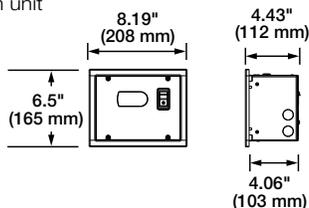
## Model FTBR only Condensing Unit

May be field mounted up to 50' (15.24 meters) from unit



## All Models Control Panel

May be field mounted up to 9' (2.7 meters) from unit



## Condenser Dimensions for Remote Refrigerated Drop-In Wells

Model	All Voltages	HZ	Width (A)	Depth (B)	Height (C)
FTBR-1, 2, 3 FTBR-S2, S3	120 220/230/240	50/60	14.62" (371 mm)	12.27" (312 mm)	11.37" (289 mm)

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# Remote Drop-In Frost Tops

Models: FTBR-1, -2, -3, -S2, -S3, FTBX-1, -2, -3, -S2, -S3

## SPECIFICATIONS

### Remote Drop-In Frost Tops - with Condensing Unit and Remote Control Panel

The shaded areas contain electrical information for international models

Model†◀	Dimensions (Width x Depth x Height)	Voltage	HZ	HP Compressor Size	Watts	Amps	Total Heat of Rejection (BTU/Hr)	Approx. Ship Weight
FTBR-1	28.94" x 21.06" x 3.56" (735 x 535 x 90 mm)	120	60	1/5	300	3.8	1288	125 lbs. (57 kg)
		220/230/240	50	1/3	1089/1190/1296	5.0/5.2/5.4	2475	
			60		1129/1234/1344	5.1/5.4/5.6	2557	
FTBR-2	39" x 28.94" x 3.56" (991 x 735 x 90 mm)	120	60	1/5	300	3.8	1528	151 lbs. (69 kg)
		220/230/240	50	1/3	1089/1190/1296	5.0/5.2/5.4	2715	
			60		1129/1234/1344	5.1/5.4/5.6	2797	
FTBR-3	57" x 28.94" x 3.56" (1448 x 735 x 90 mm)	120	60	1/5	300	3.8	1768	213 lbs. (97 kg)
		220/230/240	50	1/3	1089/1190/1296	5.0/5.2/5.4	2955	
			60		1129/1234/1344	5.1/5.4/5.6	3037	
FTBR-S2	54.94" x 21.06" x 3.56" (1395 x 535 x 90 mm)	120	60	1/5	300	3.8	1528	179 lbs. (81 kg)
		220/230/240	50	1/5	1089/1190/1296	5.0/5.2/5.4	2715	
			60		1129/1234/1344	5.1/5.4/5.6	2797	
FTBR-S3	80.81" x 21.06" x 3.56" (2053 x 535 x 90 mm)	120	60	1/5	300	3.8	1768	230 lbs. (104 kg)
		220/230/240	50	1/3	1089/1190/1296	5.0/5.2/5.4	2955	
			60		1129/1234/1344	5.1/5.4/5.6	3037	

† Models shipped with electronic temperature control, and a condensing unit (all shipped loose) with a filter-drier and TXV valve. Exception: FTBR units include a condensing unit and the FTBX units include a solenoid valve attached to Frost Top. Evaporator tubes add 3.25" to the overall height on all FTBR and FTBR-S units (6.81" [173 mm] H).

◀ Single phase only

## SPECIFICATIONS

### Remote Drop-In Frost Tops - with Remote Control Panel (without a Condensing Unit)

Model†	Dimensions (Width x Depth x Height)	Voltage	Evaporator Load (BTU/Hr)	Approx. Ship Weight
FTBX-1	28.94" x 21.06" x 8.61" (735 x 535 x 218 mm)	120	330	85 lbs. (39 kg)
		220/230/240		
FTBX-2	39" x 28.94" x 8.61" (991 x 735 x 218 mm)	120	630	138 lbs. (63 kg)
		220/230/240		
FTBX-3	57" x 28.94" x 8.61" (1448 x 735 x 218 mm)	120	930	220 lbs. (100 kg)
		220/230/240		
FTBX-S2	54.94" x 21.06" x 8.61" (1395 x 535 x 218 mm)	120	630	130 lbs. (59 kg)
		220/230/240		
FTBX-S3	80.81" x 21.06" x 8.61" (2053 x 535 x 218 mm)	120	930	182 lbs. (83 kg)
		220/230/240		

† Models shipped with electronic temperature control, TXV (all shipped loose) and a solenoid valve attached to the Frost Top.

## R-513A 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: 6-9 PSIG (0.4-0.6 Bar)
- Discharge Pressure : 115-125 PSIG (7.9-8.6 Bar)
- Superheat: 4-10° F (2.2° to 5.6 °C)
- Subcooling: 5-10° F (2.8° to 5.6 °C)

## RECOMMENDED FACTORY FILL RATES for R-513A REFRIGERANT

(FTBR Condensers are shipped without refrigerants)

Model	Fill Weight	Model	Fill Weight
FTBR-1	1 lb. 13 oz. (0.822 kg)	FTBR-S2	2 lb. 1 oz. (0.936 kg)
FTBR-2	2 lb. 1 oz. (0.936 kg)	FTBR-S3	2 lb. 1 oz. (0.936 kg)
FTBR-3	2 lb. 1 oz. (0.936 kg)		

## PRODUCT SPECS

### Remote Drop-In Frost Tops

The Drop-In Frost Top shall be a Model ... as manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The Frost Top shall be rated at ... watts, ... volts and be ... inches (millimeters) in overall width. It shall utilize R-513A refrigerant and consist of aluminized

steel housing, electronic temperature control, and with or without a condensing unit (compressor, sight glass, service valves, receiver, and filter-drier). Accessories may include sheet pans.

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

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