Ice Viper Tower Installation Tips

Overview:

The Ice Viper Tower develops a nominal 1/2" jacket of ice after about one week's time when attached to a, glycol re-circulating, remote draft beer system. The relative humidity in the air around the tower must be at least 25 % The Glycol Chiller should have a 100 Gallon Per Hour recirculation pump and sufficient BTU capacity to accommodate both the tower and beer conduit BTU requirements (see below). Contact the glycol chiller's manufacturer to determine glycol chiller BTU output. 26° to 27° Fahrenheit glycol must be continuously re-circulated though the tower.

SINGLE FAUCET VIPER TOWER	=	400 BTU's per tower, per hour
DUAL FAUCET VIPER TOWER	=	600 BTU's per tower, per hour
TRIPLE FAUCET VIPER TOWER	=	800 BTU's per tower, per hour
FOUR FAUCET VIPER TOWER	=	1000 BTU's per tower, per hour
2 to 4 Beer Conduit (3/4" Insulation)	=	10 BTU'S per foot, per hour
5 to 8 Beer Conduit (3/4" Insulation)	=	11 BTU'S per foot, per hour
9 to 12 Beer Conduit (3/4" Insulation)	=	12 BTU'S per foot, per hour

IMPORTANT:

The Viper Tower must be installed with a "double drainer" that provides a drainage facility for condensation from the tower and beer spillage. Automatic Bar Controls is not responsible for damage to the end-user's bar and/or adjacent millwork if factory installation guidelines are not followed and an approved "double drainer" is not used. If a conventional beer drainer is installed under the beer faucets only, "normal" condensation run-off from the "Iced" tower will accumulate and damage to surrounding surfaces may result.

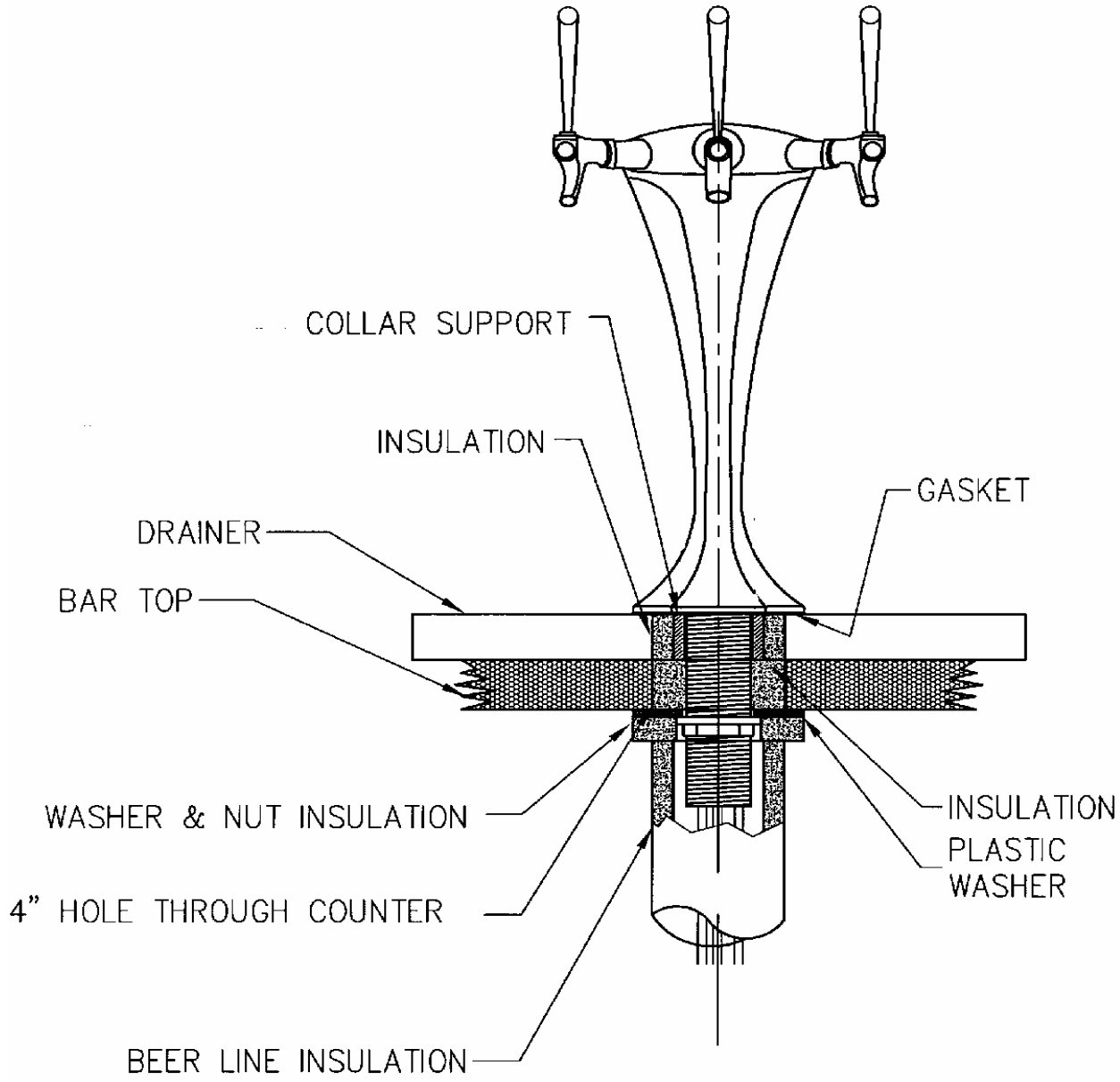
Features:

Every Viper Tower includes seven-feet of 3/16" ID restriction and 3/8" ID coolant tubes, mounting hardware, chrome faucet(s), necessary insulation, 3/16" x 3/8" union(s) for the beer lines, 3/8" unions for the coolant lines, and the appropriate number of clamps. Mirror-finish stainless steel, double-drainers are not included in the tower price and must be ordered separately.

Installation:

1) To use the double drainer mounting plate as a template, remove the six retainer screws and separate the drainer from the mounting plate. Then position the Mounting Plate on the counter top and mark the tower hole, drain hole, and mounting screw holes.
2) Cut the marked tower and drain holes in the countertop. Place a thin (1/8" diameter) bead of silicone rubber caulk around the bottom-perimeter of the Mounting Plate, position the Mounting Plate on the countertop, and secure the Mounting Plate to the countertop with appropriate screws or bolts. Install the Drainer top section onto the Mounting Plate and re-install the six retainer screws
3) Install the threaded Viper Tower tube, with black gasket between the tower base and double drainer, through the drainer and counter top. See the attached "*Viper Tower & Drainer Installation Cross-section*" drawing. Install and tighten the plastic washer and brass nut. Position the nut insulation over the brass nut. Position tower mounting tube insulation over the threaded tower mounting tube, and trim to length.
4) Calculate restriction lengths and then cut the 3/16" restriction tubing to the appropriate length. Consult with the Wunder-Bar Factory if you are not sure as to what the EXACT restriction tube lengths should be. Be prepared to provide the overall length of the conduit from kegs to tower connections, the inside diameter of the beer conduit lines, the amount of Positive Lift (height distance between the bottom of the beer kegs UP to the top of the tower) and the amount of negative Lift (distance DOWN to the top of the tower).
5) Cut the beer line insulation to length and slide over the beer and coolant tubing.
6) Using clamps provided, install a 3/16" x 3/8" union in each of the Viper Tower's beer restriction line(s) and a 3/8" union in each of the coolant lines.
7) Attach Viper Tower beer and Coolant lines to the beer system trunk lines using the clamps provided.

8) Fill the refrigeration system with glycol, turn on the re-circulating pump, and then check for coolant leaks at the tubing connections, base of tower, and at the faucet shank.
9) Connect the beer kegs to the system and check the beer line connections for leaks at the tubing connections.
10) Glue and tape all insulation seams.



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