

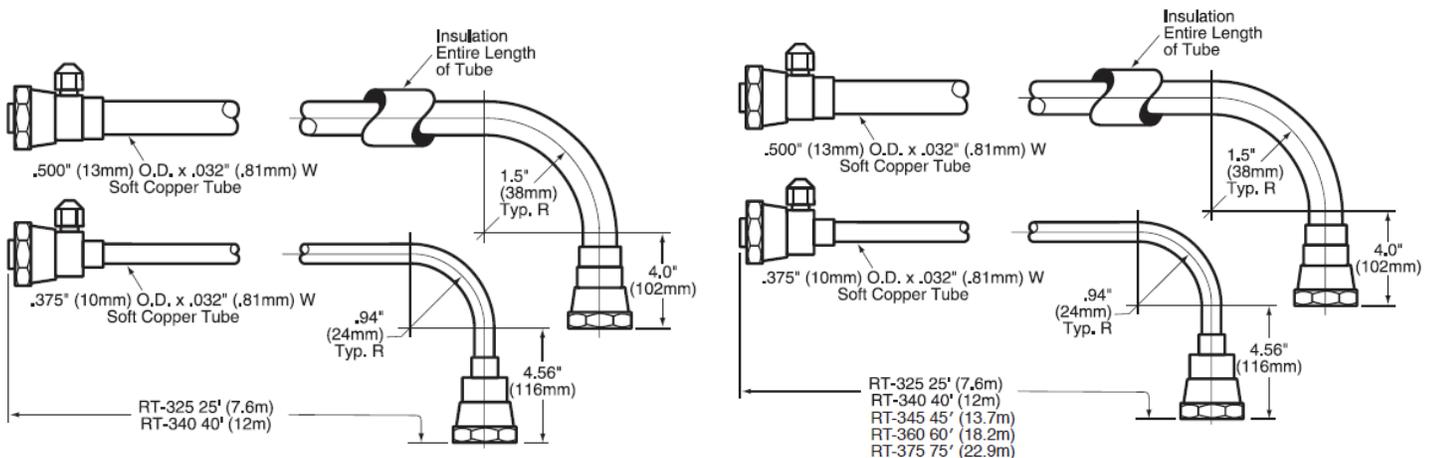
VRC & GRC R404A

Precharged Tubing Kits

Ice-O-Matic®

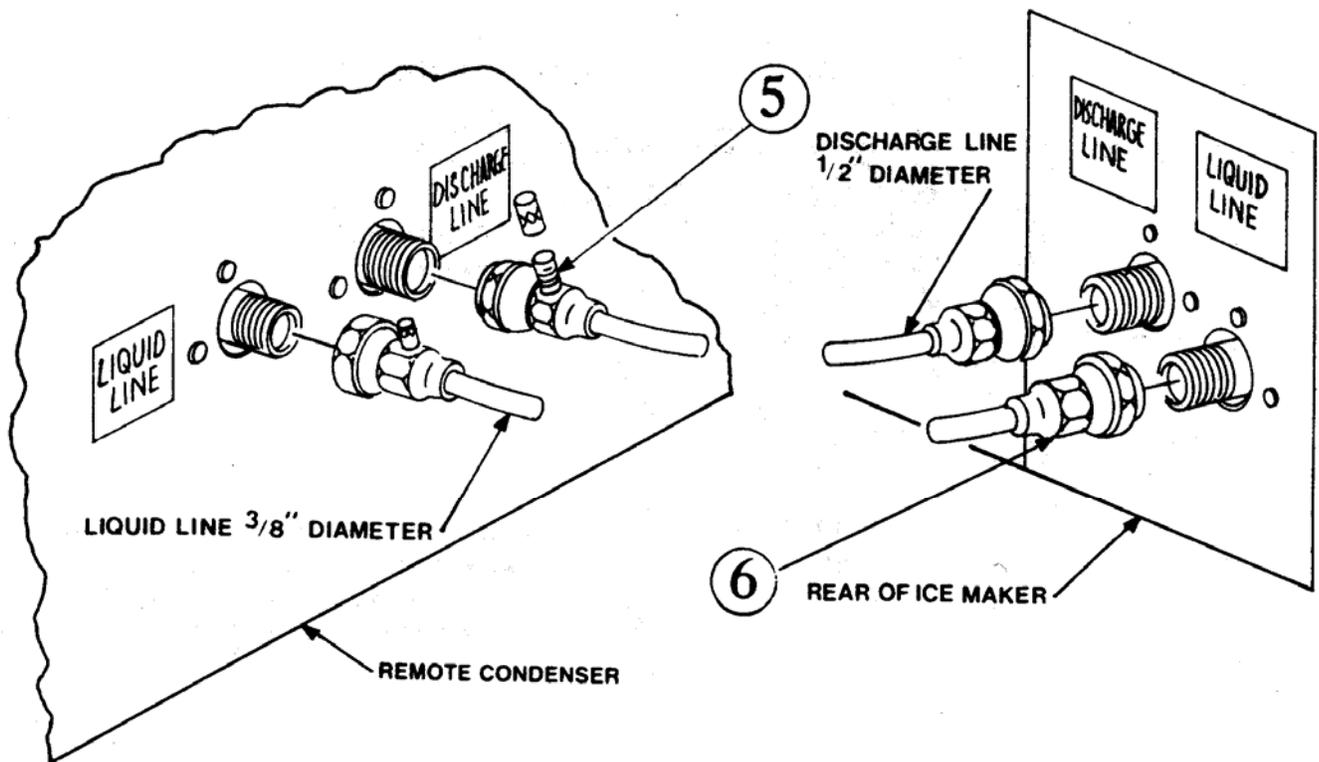
Specifications

Model Number	Description	Voltage Characteristics	Shipping Weight lbs (kg)
RT-325-404	25' ft (7.6 m) Precharged Tubing Kit for R404A models		13 (6)
RT-340-404	40' ft (12.0 m) Precharged Tubing Kit for R404A models		18 (8)
RT-345-404	45' ft (13.7 m) Precharged Tubing Kit for R404A models		19 (9)
RT-360-404	60' ft (18.2 m) Precharged Tubing Kit for R404A models		26 (12)
RT-375-404	75' ft (22.9 m) Precharged Tubing Kit for R404A models (VCR)		35 (16)



VRC Remote Condenser
Line Kit Connections

GRC Remote Condenser
Line Kit Connections



Proper Tubing Routing

When installing the discharge and liquid lines from the remote condenser to the icemaker, please use the following guidelines:

1. The remote condenser (#2) should always be installed above the icemaker (#4) as shown with a vertical air flow on page 8.
2. All excess tubing (#1) should be routed inside the building and coiled in a vertical spiral as shown (3#) on page 8, to prevent oil trapping in the lines. Any tubing run outside should be insulated to protect it from surrounding ambient conditions. Tubing should follow straight line routing whenever possible. The lowest spot in the tubing run should be the connection at the rear of the icemaker.

Both the discharge line and liquid line quick connect couplers are supplied with a Schrader Valve on one end of the line set. The Schrader Valve end should be connected to the remote condenser on both the discharge and liquid line for access to pressure readings at the condenser as shown (#5) above.

When attaching the quick connect couplers (#6), always lubricate the couplers with refrigerant oil. The couplers should be tightened until snug, then tightened another quarter (1/4) of a turn.

Always leak check the quick connect couplers after installation has been made.

Remote Condenser

General Information

The **VRC** remote condensers incorporate the mixing valve in the condenser. This configuration allows up to a 100 foot calculated remote line set run. Reference the diagram below to calculate the maximum 100 foot line set run.

Limitations for new remote machines that have the mixing valve mounted in the condenser.

Maximum Rise is 35 feet.

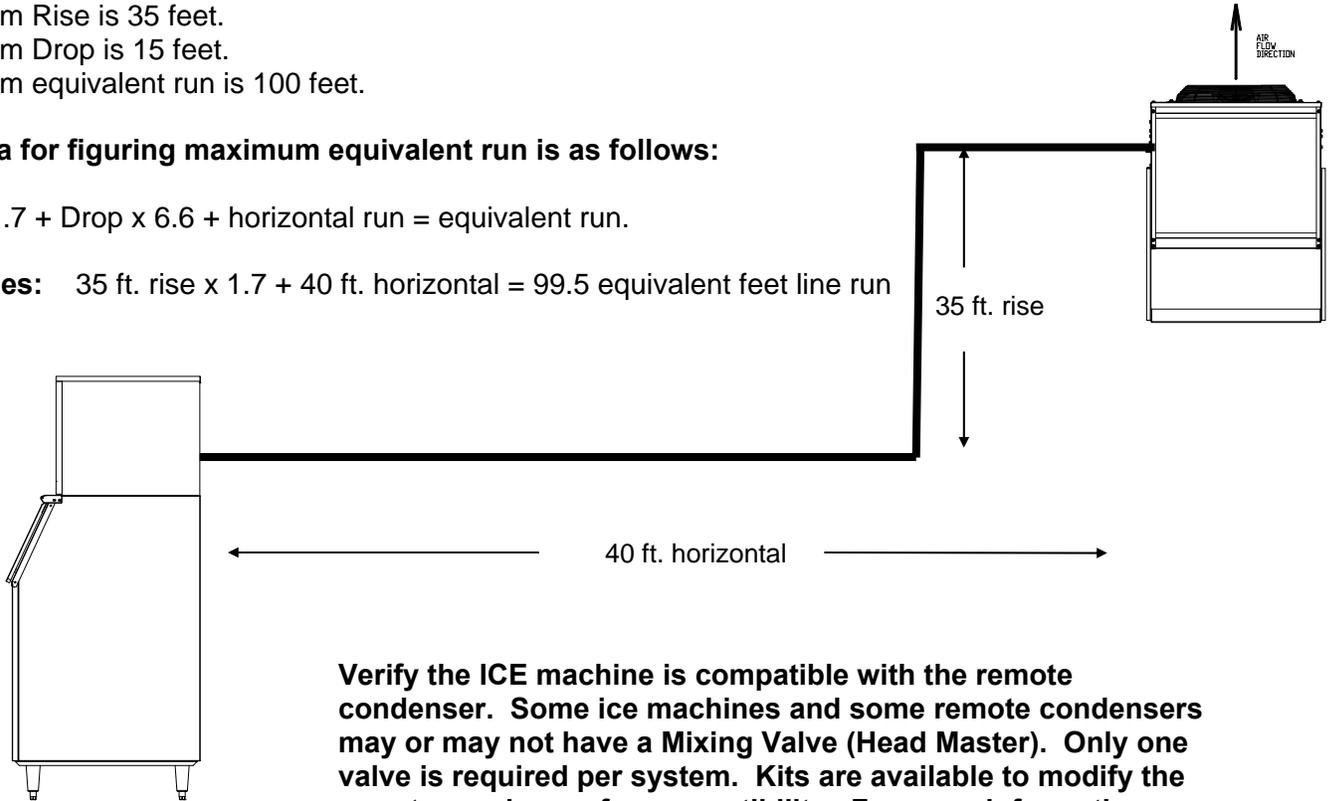
Maximum Drop is 15 feet.

Maximum equivalent run is 100 feet.

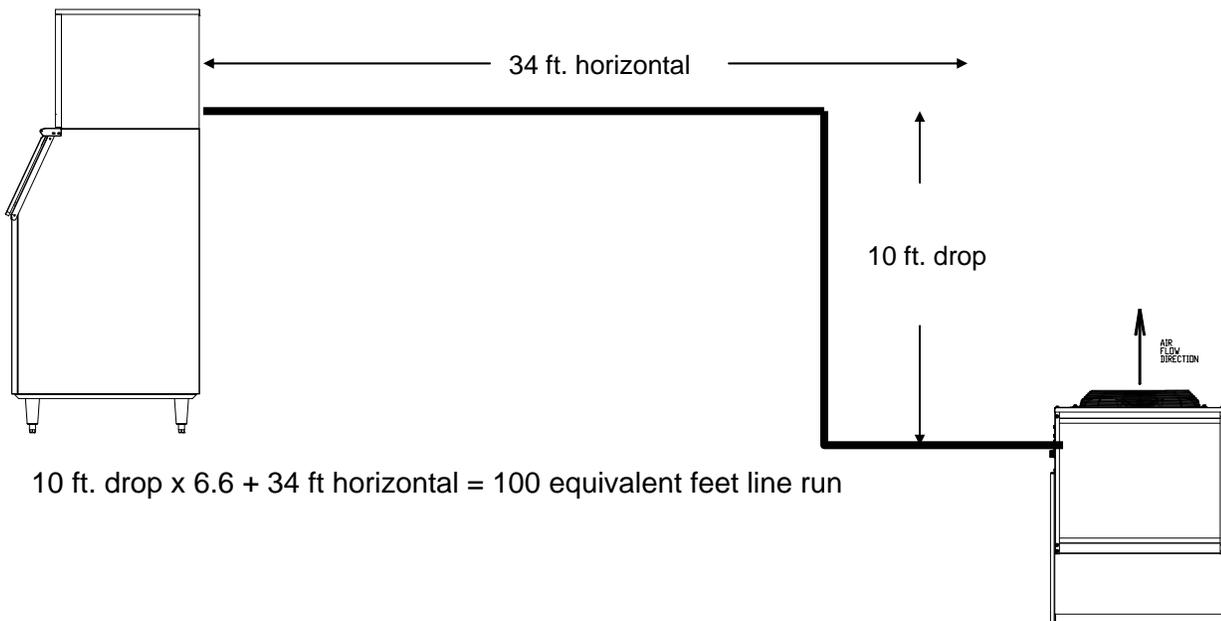
Formula for figuring maximum equivalent run is as follows:

Rise x 1.7 + Drop x 6.6 + horizontal run = equivalent run.

Examples: 35 ft. rise x 1.7 + 40 ft. horizontal = 99.5 equivalent feet line run



Verify the ICE machine is compatible with the remote condenser. Some ice machines and some remote condensers may or may not have a Mixing Valve (Head Master). Only one valve is required per system. Kits are available to modify the remote condenser for compatibility. For more information contact your Ice-O-Matic Distributor.



10 ft. drop x 6.6 + 34 ft horizontal = 100 equivalent feet line run

Vertical Air Flow

TUBING ROUTING

