Tech Note # 109
Condensate Trap Sizing

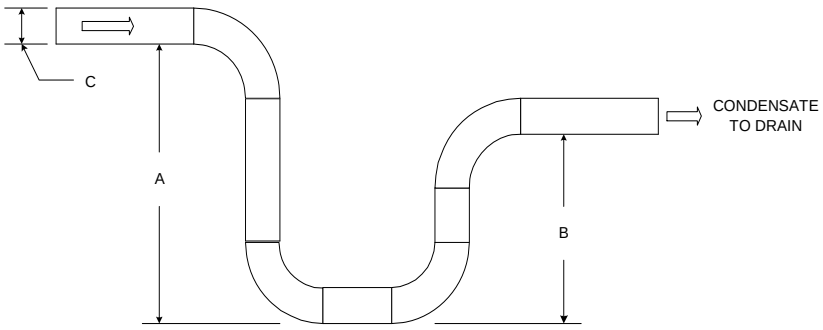
Keywords: Condensate Trap; Trap Sizing

Introduction

Condensate Trap Sizing

Condensate drains must be sized correctly in order to allow proper condensate flow. All units that see a negative pressure at the condensate outlet should be sized by the method describe below.

When piping a condensate drain for an indoor pool application please remember the dehumidifier is removing moisture throughout the year. In cold climates the condensate line could freeze. The drain must be run to an indirect waste line and must be protected from freezing. Check the local Building or Plumbing Code for the proper requirements for your area.



Formula:

1. Listed Internal Static + Return External Static = Total Static at Drain
2. A = (1 ½ x Total Static @ Drain) + Pipe diameter + 2”
3. B = (½ x Total Static @ Drain) + Pipe diameter + 1”
4. C = Unit Condensate Pipe Size

N120W18485 Freistadt Road
Germantown, WI 53022
(262) 946-7400 FAX: (262) 946-7401
www.desert-aire.com