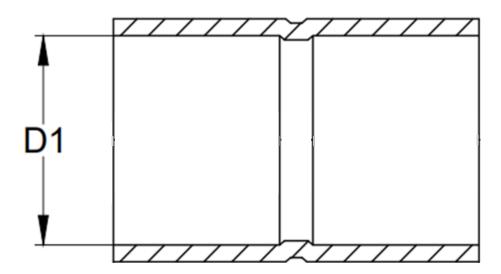


## **Dimensions**

HVAC-R tubes and fittings are measured in outer diameter. Tubes and fittings for plumbing are measured in inner diameter.

For example, if we take a coupling for 1/2" tube (The drawing to the right):

D1 diameter is the same as tube outer diameter. In the case of HVAC-R tubing D1 = 0.502 In. so the HVAC-R tube with 0.500 In. outer diameter fits into it.



The same logic applies to all types of fittings: Couplings, Tees, Elbows, etc.

When buying fittings for copper tubes, you must know if it is for HVAC-R or for plumbing.

## Certifications and Pressures

Plumbing fittings are made for low pressure applications, which are water supply and drainage. For plumbing, it is more important to have materials that are certified to be safe for our health. That is why our plumbing fittings are NSF/ANSI 61 certified.

In HVAC-R applications, pressure rating becomes a more important parameter. For this reason, our PAC and ACR fittings are made according to B16.22 requirements and in most cases exceed it. When compared to our plumbing fittings, PAC and especially ACR fittings have thicker walls to withstand higher internal pressures. PAC fittings are standard for regular AC installations, while ACR fittings provide even higher-pressure ratings required by refrigerants that operate at higher pressures, like R410A, R32 or subcritical CO2. Our PAC fittings have CRN registration, and ACR fittings have both CRN registration and UL approval.









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