

WHAT SIZE INSULATION DO YOU NEED?

Pipe Size Guide

Choosing the right size pipe insulation is crucial to its effectiveness. Incorrect insulation size can lead to energy loss, thermal degradation, pipe damage, and even system failure. To determine the right size for your pipe, there are a few factors things to consider. Pipes are sold using the nominal inside diameter (ID) of the pipe opening. But because different pipe materials have thick or thin walls the outside diameter (OD)– the part you insulate–could be a much larger size. Use our size guide to help simplify the process of choosing the right size insulation for your needs.

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A: OUTSIDE DIAMETER (OD)
B: INSIDE DIAMETER (ID)

PIPE SIZE GUIDE FOR VARIOUS PIPE DIAMETERS

Use our simple chart to help you find the right Armacell product for your pipe application.

Armacell Insulation Size	Fits Pipe Size		
	Copper/PEX/CPVC Nom Size & ID (Types K, L, M)	Copper Nom Size & OD (ACR)	Iron / PVC Pipe Size
1/4"	-	1/4"	-
3/8"	1/4"	3/8"	1/8"
1/2"	3/8"	1/2"	1/4"
5/8"	1/2"	5/8"	3/8"
3/4"	5/8"	3/4"	-
7/8"	3/4"	7/8"	1/2"
1-1/8"	1"	1 1/8"	3/4"
1-3/8"	1-1/4"	1 3/8"	1"
1-5/8"	1-1/2"	1 5/8"	1-1/4"
1-1/2"	-	-	1-1/2"
2-1/8"	2"	2 1/8"	-
2"	-	-	2"
2-5/8"	2-1/2"	2 5/8"	-
2-1/2"	-	-	2-1/2"
3-1/8"	3"	3 1/8"	-
3"	-	-	3"
3-5/8"	3-1/2"	3 5/8"	-
4-1/8"	4"	4 1/8"	3-1/2"
4"	-	-	4"
5"	-	-	5"
6"	-	-	6"
8"	-	-	8"
10"	-	-	10"

1. ID tolerances are typical values and may differ depending on the product and wall thickness.
 2. Insulation ID is sized larger than the pipe OD to fit over copper pipe couplings. When properly installed, a gap between the insulation and pipe will not adversely effect the insulation performance.
 3. DN, diametre nominel, is equivalent to NPS sizes in metric dimensions.
- NOTE: See installation guide for proper installation instructions.
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ArmaFlex® Ultima
 The first flexible insulation with low smoke emissions for improved fire safety



AP/ArmaFlex Black and White Tubes
 Original flexible, closed cell elastomeric tubes in black and white



AP/ArmaFlex Black and White LapSeal
 Self-sealing tube insulation with reinforced lap seal



ArmaFlex Shield
 Pipe insulation with durable, protective coating



ArmaFlex UT
 300°F max-use insulation for VRF, solar, dual-temperature, hot gas piping, and low pressure steam lines



NH/ArmaFlex Tubes
 Halogen-free insulation for stainless steel applications below 250°F



ArmaFlex Coil
 Continuous coil pipe insulation designed for labor savings and to minimize waste



ArmaLight® Tubolit and Tundra
 Economical polyethylene insulation for plumbing lines, in semi-slit and self-seal closure

ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 25 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

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