

# OXY ACETYLENE VS. AIR ACETYLENE

HVAC/R PLUMBING

FOR THE HVAC/R TECHNICIAN, CHOOSING THE RIGHT PROCESS FOR YOUR BRAZING AND SOLDERING APPLICATIONS DEPENDS ON MANY FACTORS INCLUDING BUDGET, VERSATILITY, BASE MATERIALS, PARTS SIZE, AND USER SKILL SET. THE CHART BELOW WILL HELP YOU CHOOSE THE RIGHT TOOL FOR SOLDERING AND BRAZING PIPE.



	AIR ACETYLENE	OXY ACETYLENE
<b>GENERAL APPLICATIONS</b>	Suited for installation and repair in field Confined spaces, portability, and versatility Thinner base metals	Suited for general repairs & installation and soldering Fast / high-volume work Thicker base metals
<b>PERFORMANCE</b>	Lower temperature up to 2000°F to 3000°F Low flame intensity - heat transfer slow Broad heat zone Tips have a wide operating range Smaller size and weight - more convenient to use	Higher temperature up to 6000°F High flame intensity - heat transfer fast Confined heat zone Generally tips have a narrow operating range Larger size and weight - less convenient to use
<b>SAFETY</b>	Very stable Durable and less expensive to repair Gases can be transported with less restrictions	Less safe due to possibility of flashbacks More expensive to repair Rules and regulations pertaining to safe transport of gases more complex