

AMBRO[®]
CONTROLS

A BETTER
WAY TO **HVAC**



INDUSTRY INNOVATORS

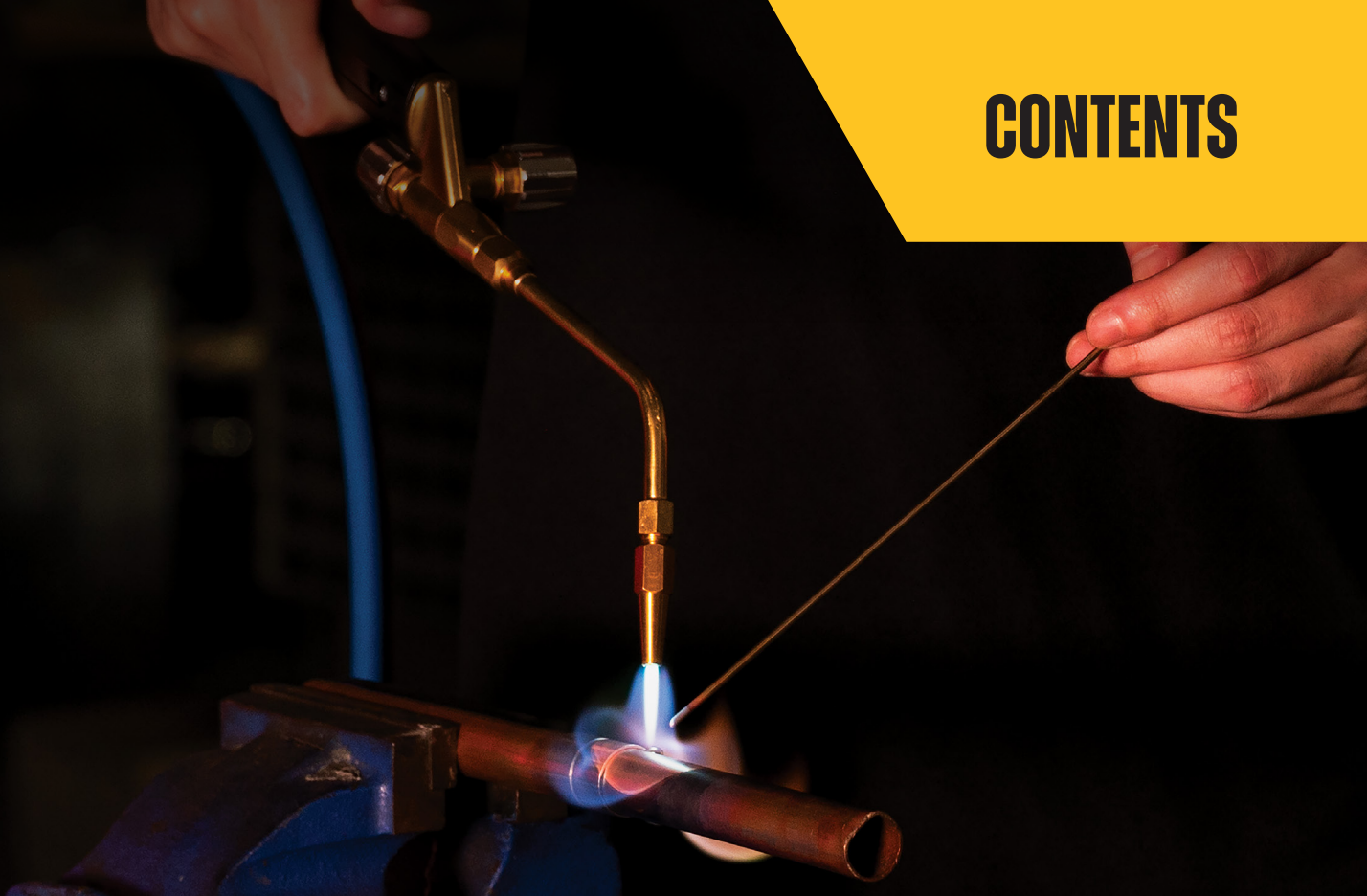
A BETTER WAY TO HVAC



Ambro Controls brings cutting-edge innovation to the HVAC industry with advanced tools that enhance efficiency, precision, and ease of use. At the heart of our solutions are portable gas cylinders, engineered for optimal performance and seamless integration with our comprehensive ecosystem. Our systems are designed to transform brazing, purging, charging, testing and drain cleaning applications, ensuring technicians have the reliable tools they need to excel in any environment.

AMBRO
CONTROLS

CONTENTS



PRODUCTS

Oxyset Mobile Brazing System	5
Power Torch	6
Precision Torch.....	7
PerforMax Torch	8
Oxyset Backpack	9
Nitrogen Kits.....	11
Portable Gas Cylinders	12-13
Disposable Refrigerant Cylinders	14
Spare Parts	15

BRAZE IN ANY SPACE



Put portability first with the Ambro Controls Oxysset Mobile Brazing System, a lightweight, compact solution for precise, powerful brazing on the go. Fuelled by our Oxygen and Map-Pro™ cylinders and supported by our range of torch accessories to deliver high performance brazing in challenging spaces.

OXYSET MOBILE BRAZING SYSTEM

For Welding, Brazing, Soldering & Heating

Product No. 1811168-1

- DESIGNED FOR HVAC AND PLUMBING CONTRACTORS
- 2 NOZZLE SIZES INCLUDED
- COMPACT, LIGHTWEIGHT & ULTRA-PORTABLE
- HIGHLY PORTABLE CYLINDER STAND
- FOR USE WITH MAP-PRO™ & OXYGEN CYLINDERS

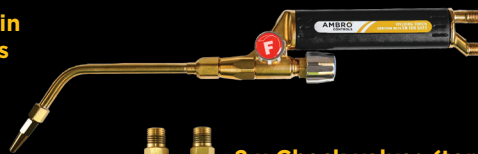
KIT INCLUDES

- > Pro torch
- > 2 x nozzles
- > 2 x check valves (torch end)
- > Oxygen regulator with 2 gauges
- > MAP-Pro™ regulator with 1 gauge
- > 6.5 ft twin hose assembly
- > Flint sparker
- > Spanner

Cylinders sold separately



Torch handle with built in gas and oxygen controls



2 x Check valves (torch end)



Professional quality brass regulators with flow controls



6.5 ft Twin hose assembly
Orange gas hose (1/8" ID, CGA21)
Blue oxygen hose (1/8" ID, CGA20)



2 Torch tips included
3/32" and 5/64"



FUEL TYPE

O OXYGEN
(1811323)

M MAP-PRO™
(1811121)



POWER TORCH

Powerful Brazing on Larger Jobs

Product No. 1811169

Designed to handle pipes up to 3 inches in diameter, this powerful torch ensures precise, high-temperature flame control for larger-scale HVACR projects.

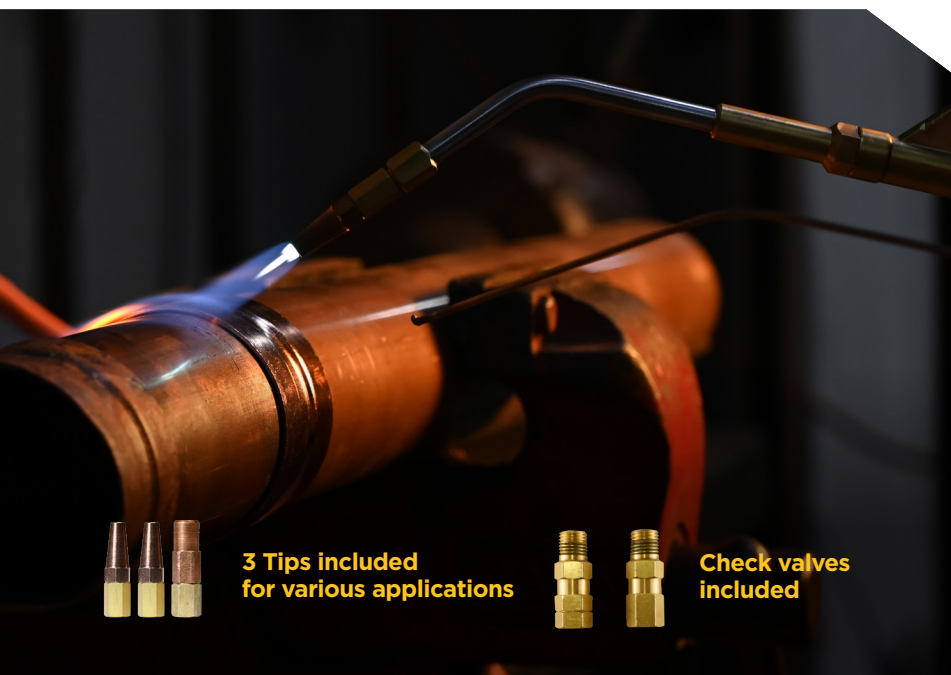
- POWERFUL FLAME FOR BRAZING UP TO 3" PIPE
- DURABLE 14" TORCH
- BUILT IN GAS AND OXYGEN CONTROLS
- COMES WITH 3 INTERCHANGEABLE TIPS
- INCLUDES CHECK VALVES
- USE WITH 1.9L OXYGEN CYLINDER FOR EXTENDED USE, SOLD SEPARATELY
- CONNECTS TO OXYSET HOSES & REGULATORS

INCLUDES

- > Power torch
- > 3 x Torch tips
- > 2 x Check valves (torch end)

FOR USE WITH

OXYSET



3 Tips included
for various applications

Check valves
included

FUEL TYPE

O OXYGEN
(1811325)

M MAP-PRO™
(1811121)



PRECISION TORCH

Precise Brazing in Tight Spaces

Product No. 1811161-1

This Precision Torch produces a perfectly controlled thin flame ideal for use in difficult to reach areas where detailed work is required.

- THIN FLAME, FOR BRAZING IN NARROW SPACES
- LIGHTWEIGHT, EASY TO CONTROL TORCH
- DURABLE, NICKEL PLATED HANDLE
- INCREASED AGILITY WITH SUPERIOR FLEXIBLE TWIN HOSE ASSEMBLY
- HEAVY DUTY DESIGN, FOR LONGER SERVICEABILITY
- CONNECTS TO OXYSET REGULATORS

INCLUDES

- > Precision torch
- > 3 x Torch tips
- > 6.5 ft Twin hose assembly
- > Carry case



FOR USE WITH

OXYSET



FUEL TYPE

O OXYGEN
(1811323)

M MAP-PRO™
(1811121)



PERFORMAX TORCH

For Brazing, Soldering, Heating & Heat Treating

Product No. **1811185**

The PerforMax Torch is a high intensity trigger start torch with a 360-degree swivel burn tube, and adjustable flame control. This torch comes with a continuous flame lock, allowing finger free use and is pressure regulated for consistent performance when inverted. The Max-Power flame delivers fast heat transfer, making this torch ideal for use with MAP-Pro™ in multiple lower demand applications including brazing, up to 1" diameter soldering and heating.

- MAX POWER FLAME
- 360 DEGREE SWIVEL BURN TUBE
- INSTANT ON-OFF IGNITION
- CONTINUOUS FLAME LOCK
- ADJUSTABLE FLAME
- PRESSURE REGULATED FOR CONSISTENT PERFORMANCE WHEN INVERTED
- DURABLE ALUMINUM ALLOY BODY WITH ERGONOMIC DESIGN FOR EASY HANDLING
- FOR USE WITH MAP-PRO™



FUEL TYPE



MAP-PRO™
(1811121)



PROPANE



OXYSET BACKPACK

Secure your Brazing Essentials

Product No. 1811900

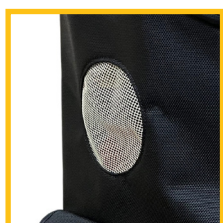
The perfect accessory for increased portability, designed to comfortably fit a complete Ambro Controls brazing solution in one convenient place. Store your Oxyset kit with a spare cylinder and torch accessories, or carry the Oxyset brazing setup and Nitrogen setup together easily. Manufactured from durable, waterproof, high heat resistant fabric, with a capacity of up to 28 lbs. Organize everything you need for that hard-to-reach brazing job in one easily accessible backpack.



Two internal pockets for storing additional cylinders and accessories



Dual zipper top for easy access to contents



4" ventilation window on each side



Velcro close side pockets with fireproof lining



Cushioned back panel and padded shoulder straps for added comfort



Velcro close wide front pocket for accessories



PURGE TEST DRAIN



Enhance best-practice brazing in the field with the Ambro Controls Nitrogen range, designed around our portable nitrogen cylinder. Pair with our Oxysset to deliver a streamlined brazing, purging, draining and testing solution for any job.

NITROGEN PURGING SOLUTION

870, 400 & 200 PSI Regulator Options

Product No's. 1811555, 1811556, 1811557

- BASED ON DISPOSABLE CYLINDER FORMAT
- LIGHTWEIGHT & ULTRA PORTABLE
- ALL-IN-ONE CONTRACTOR CASE
- DURABLE REGULATOR RANGE WITH CONTENTS & FLOW GAUGES
- AVAILABLE IN 870PSI (1811555), 400PSI (1811556) & 200PSI (1811557)
- FOR PURGING PIPES 3/8 INCH UPTO 1-1/8 INCH
- FOR USE WITH DISPOSABLE NITROGEN CYLINDER SOLD SEPARATELY

KIT INCLUDES

- > Nitrogen regulator (UL Approved)
- > 9.84 ft hose with 1/4" SAE fittings
- > 2 x Brass adaptors
- > Contractor-grade carry case with foam insert



870 PSI Kit shown.

Professional quality brass regulators with contents & outlet gauges
200, 400 or 870 PSI

9.84 ft hose with 1/4" SAE fittings



2 Brass adaptors included
For 3/8" and 1-1/8" piping



870 PSI
Regulator
(1811550*)



400 PSI
Regulator
(1811551*)



200 PSI
Regulator
(1811552*)

*available to purchase separately

FUEL TYPE

N NITROGEN
(1811560)



LIGHTWEIGHT GAS CYLINDERS

Efficiency and Convenience

Product No. 1811323

1L OXYGEN CYLINDER

Compact, portable fuel option for use in with Map-Pro™ in heavy duty, high temperature applications including soldering, brazing and heating.

- M12 X 1 THREAD CONNECTION
- WORKING PRESSURE: 1595 PSI
- HIGH PRESSURE PORTABLE CYLINDER
- MADE IN ITALY
- COMPACT PORTABLE AND LIGHTWEIGHT
- SUITED FOR BROMIC OXYSET 1811168-1
- 3.7 FT³ OF OXYGEN



Product No. 1811325

1.9 L OXYGEN CYLINDER

Innovative, portable fuel cylinder. The 1.9L option provides HVAC techs with more gas to tackle bigger jobs. Use with Map-Pro™ in higher temperature HVAC applications.

- M12 X 1 THREAD CONNECTION
- WORKING PRESSURE: 1595 PSI
- HIGH PRESSURE PORTABLE CYLINDER
- MADE IN ITALY
- COMPACT PORTABLE AND LIGHTWEIGHT
- SUITED FOR BROMIC OXYSET
- 7.38 FT³ OF OXYGEN



LIGHTWEIGHT GAS CYLINDERS

Efficiency and Convenience

Product No. **181121**

14.1 OZ MAP-PRO™ CYLINDER

The perfect partner for high-temperature applications. The durable yet slim cylinder makes it easy to manoeuvre in various work environments.

- CGA 600 CONNECTION
- FLAME TEMPERATURE IN AIR 3730°F
- DURABLE STEEL CYLINDER
- MADE IN USA
- SLIM, LIGHTWEIGHT CYLINDER



Product No. **1811560**

1.9 L NITROGEN CYLINDER

Designed for use with Ambro Controls Nitrogen regulators to allow HVAC techs the convenience of a compact system, easy to take on the go.

- M10 X 1 THREAD CONNECTION
- WORKING PRESSURE: 1595 PSI
- HIGH PRESSURE PORTABLE CYLINDER
- MADE IN ITALY
- 100% NITROGEN
- 7.4 FT³ OF NITROGEN



R290 & R600a | DISPOSABLE REFRIGERANTS

Recharge in the Field Faster and Easier

Product No's. 1811290, 1811600

Recharge units in the field with ease using the Ambro Controls R290 or R600a disposable refrigerants. Lightweight portable cylinders containing high purity hydrocarbon refrigerant; ideal for numerous low to medium temperature applications including domestic and light commercial refrigeration as well as air conditioning. Use of disposable refrigerants is a more friendly option with lower environmental impact.

- RECHARGE UNITS IN THE FIELD EASILY
- ULTRA-PORTABLE, LIGHTWEIGHT, AND HANDY
- BETTER ENERGY EFFICIENCY
- MADE OF HIGH PURITY HYDROCARBONS
- ENVIRONMENTALLY FRIENDLY COMPARED TO TRADITIONAL REFRIGERANTS
- IDEAL FOR LOW TO MEDIUM TEMPERATURE APPLICATIONS IN DOMESTIC AND LIGHT COMMERCIAL REFRIGERATION



1811290
13.05oz (370g)

1811600
14.8oz (420g)

AC37 VALVE



Single stage valve to be used with Ambro Controls disposable R290 or R600a refrigerant.



CONNECTIONS

- > 1/4" SAE Male
- > 7/16" - 28 UNEF Female (Connection to cylinder)












EPDM rubber o-ring

Product No. **AC37**



SPARE PARTS LIST

For Ambro Controls Kits

PART NAME	PRODUCT NO	IMAGE
OXYSET SPARE PARTS		
6.5ft Twin Hose Assembly	1811183-2	
Welding Nozzle Kit (5 Tips)	1811182-1	
Map-Pro™ Regulator	1811171-2-UL	
Oxygen Regulator	1811172-2-UL	
NITROGEN SPARE PARTS		
Nitrogen Regulator 870 PSI	1811550	
Nitrogen Regulator 400 PSI	1811551	
Nitrogen Regulator 200 PSI	1811552	
High Pressure Nitrogen Purging Hose	1811570	
Low Pressure Nitrogen Purging Hose	1811571	
Small Brass Nitrogen Purging Tip (for 3/8" pipe)	1811572	
Large Brass Nitrogen Purging Tip (for 1 1/8" pipe)	1811576	

USA

7595 Irvine Center Drive | STE 100
Irvine California 92618 USA

Visit **AMBROCONTROLS.COM**
email **ambro@bromic.com**
or call **US 858 779 0377**



Australia & New Zealand

10 Phiney Place, Ingleburn
NSW 2565 Sydney AUSTRALIA

