

FLAMEPRO®



RANGE

TESUCO
TECHNICAL SUPPLIES COMPANY

HOSPITALITY

GAS SAFETY

INDUSTRIAL

SCIENTIFIC

MEDICAL

Operating Instructions

Air Acetylene Kit

QUALITY GAS EQUIPMENT

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- Flame Pro™ air acetylene quick connect handle (GBTA)
- Flame Pro™ air acetylene auto ignite attachment (GBTAlA)
- Acetylene regulator (RC1SAC1.5)
- Acetylene hose (GWSWA4)
- Combination spanner (GWS)
- Tesuco® Tool Bag (GBT1)

SAFETY

Read this manual thoroughly and carefully before using this product.

Retain this manual for future reference.

Ensure all connections are secure by tightening with a spanner and do not use if any leaks are found.

Always use in a well-ventilated area.

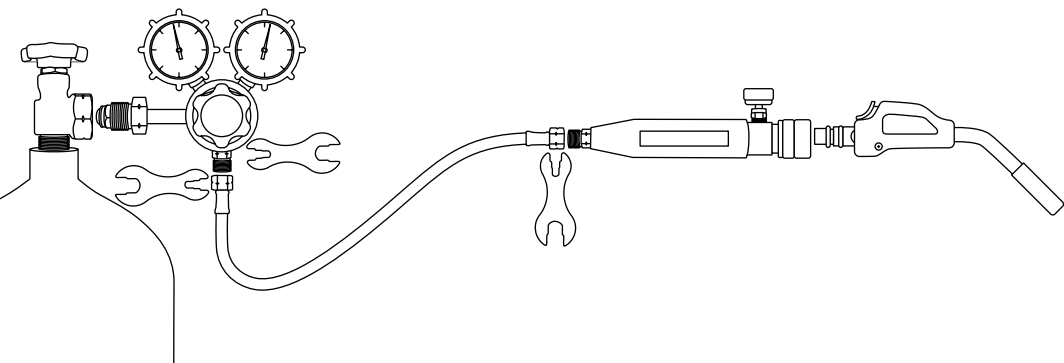
If the flame is suddenly extinguished during use, immediately close the valve on the handle and check the cause.

Note: Only trained operators may use this equipment.

INSTALLATION & OPERATION

1. Connect the regulator to the acetylene cylinder using the correct size spanner.
2. Connect the acetylene hose to the outlet of the regulator and the inlet of the torch handle, using spanners of the correct size.
3. Ensuring the adjustment knob on the regulator is wound fully out, open the cylinder valve slowly.
4. Adjust the gas pressure on the regulator according to the specifications of the welding tip (100 kPa).
5. Ensure there are no leaks prior to lighting.
Holding the welding torch in one hand, open the gas valve slightly (about 3/4 turn), and then press the auto ignition lighter with the other hand to ignite the flame.
6. Slowly increase the gas until the correct flame is achieved.
7. To stop use, close the valve on the torch handle until the flame goes out.
8. After use, close the gas cylinder valve, and then release the gas from the system safely by opening the torch handle valve. Once empty of gas, detach the regulator from the cylinder and dis-assemble the hose from the regulator and torch handle.

INSTALLATION & OPERATION



MAINTENANCE

With pressure in the system and with the torch valve fully closed, immerse the nozzle in water. No continuous bubbles should be evident. If bubbles are evident the torch handle valve needs to be repaired or replaced.

When the torch contains gas, use "Gas Control" leak detection spray to make sure all the threads and inlet connection points are not leaking.

Frequently check if the nozzle is damaged or obstructed. If it is blocked, the cone surface is deformed or the O-ring is damaged, the nozzle must be replaced.

Replacement Nozzle Part Number: GBTAN12

SPECIFICATIONS

Standards	
Regulator	AS 4267-1995 R2016
Hose	AS/NZS 1335:2020
Handle and tip	ISO 9012:2008
Regulator	
Flow rate	RC1SAC1.5
Inlet configuration	28.5 m³/hr
Max. inlet pressure	Side
Max. outlet pressure	3,000 kPa
Inlet connection	150 kPa
Outlet connection	Type 20
	5/8"-18 UNF LH Male
Flame Pro™ Handle	
Max. inlet pressure	GBT A
Inlet connection	150 kPa
Outlet connection	5/8"-18 UNF LH Male
	Quick connect female

Flame Pro™ Auto Ignite Attachment	
Flow rate	GBT AIA
Operating pressure	0.27 m³/hr
	100 kPa
	(15 PSI, 1 BAR)
Inlet connection	Quick connect male bayonet
Hose	
Length	4 m
Inlet connection	5/8"-18 UNF LH
Outlet connection	5/8"-18 UNF LH
Rating	1,500 kPa
Size	5 mm ID



The information contained herein is provided to assist the operator in the safe use of the Flame Pro™ Air Acetylene Kit . However, the ultimate responsibility for the safe use of this lies solely with the operator, including any requirements of associated Australian Standards.

