

KITS

To achieve a much hotter flame temperature when using propane type gases, you combine it with oxygen. Tesuco offers two portable kits that use disposable oxygen and fuel gas cylinders. The kits suit various applications such as in the plumbing, refrigeration, air conditioning and jewellery industries.

TURBO SET 90 KIT

Tesuco offers the Turbo Set 90 Kit. It is safe and easy to transport. At 38 cm in height and approximately 6 kg including cylinders when assembled, it is compact and lightweight. It is one of the smallest gas brazing sets available, making it ideal for the jewellery, air conditioning and refrigeration industries. The oxygen regulator, fuel gas control tap and handpiece have built-in flashback arrestors for safe operation. The kit is designed for use with oxygen and Maxy Gas cylinders, which are sold separately.

Specifications	
Packaging Type	Cardboard Box
Materials of Construction	
Regulator / Fuel Gas Tap*	
Body*	Brass
Diaphragm	Reinforced Rubber NY 210 CR703 Nero
Valve Seat	EDPM 80
Inlet Seal*	NBR 70
Control Knob*	Plastic
Flashback Arrestor*	Sintered Stainless
Blowpipe	
Handle	Plastic
Body	Brass
Valves	Brass
Control Knob	Plastic
Hose Set	
Hoses	Thermoplastic
End Connections	Brass
Barrel and Brazing Tip	Brass
Micro Tips	Plastic Cup with Stainless Tip
Goggles	Plastic with Glass Lenses
Flint Lighter	Mild Steel
Combination Spanner	Mild Steel
Carry Case	Mild Steel
Standards	International Standard EN 1326
Inclusions	Oxygen Regulator, Maxy Gas Control Tap, Flashback Arrestors, Hand Piece and Hose Set, Barrel, 5 Brazing Tips, Microset Tips, Microset Tip Adaptor, Flint Lighter, Goggles, Combination Spanner, Flux Coated Brazing Rods and Carry Case
Brazing Tip Sizes (ID)	0.5, 0.6, 0.65, 0.7, 0.9 mm
Micro Tip Sizes (OD)	0.4, 0.5, 0.6, 0.9 mm
Connection Oxygen	G3/8" RH
Connection Fuel Gas	G3/8" LH
Warranty	1 Year (Manufacturer's Defect)
Country of Origin	Italy



Part No	Gas Service	Dimensions (mm)		Weight (kg)	
		Product Only	With Packaging	Nett	Gross
OTS90	Oxygen / Maxy Gas	(H) 340 (W) 210 (D)180	(H) 350 (W) 230 (D) 195	3.52	3.54

TURBO SET 200 KIT

Tesuco offers the Turbo Set 200 Kit for various professional welding applications such as, plumbing, refrigeration and air conditioning. It is safe and easy to transport. At 38 cm in height and approximately 6 kg including cylinders when assembled, it is compact and lightweight. The oxygen and fuel gas regulators and handpiece all have built-in flashback arrestors for safe operation. The set comes with one tip attached to the lance and a set of four additional tips, supplied for various applications. It is important when selecting the correct tip, to use the smallest available for the desired application, as this will extend the life of the oxygen cylinder. The kit is designed for use with oxygen and Map-Pro™ (or equivalent) cylinders, which are sold separately.

Specifications	
Packaging Type	Cardboard Box
Materials of Construction	
Regulators	
Body	Brass
Diaphragm	Reinforced Rubber NY 210 CR703
Valve Seat	EDPM 80
Inlet Seal	NBR 70
Control Knob	Plastic
Flashback Arrestor	Sintered Stainless
Blowpipe	
Handle	Plastic
Body	Brass
Valves	Brass
Control Knob	Plastic
Hose Set	
Hoses	Thermoplastic
End Connections	Brass
Barrel and Brazing Tips	Brass
Goggles	Plastic with Glass Lenses
Flint Lighter	Mild Steel
Combination Spanner	Mild Steel
Carry Case	Mild Steel
Standards	International Standard EN 1326
Inclusions	Oxygen Regulator, Maxy Gas Control Tap, Hand Piece and Hose Set, Barrel, 5 Brazing Tips, Flint Lighter, Goggles, Combination Spanner, Flux Coated Brazing Rods, 3 Oxygen O-Rings and Carry Case
Brazing Tip Sizes	0.45, 0.65, 0.85, 1.00, 1.20 mm
Connection Oxygen	G3/8" RH
Connection Fuel Gas	G3/8" LH
Warranty	1 Year (Manufacturer's Defect)
Country of Origin	Italy



Part No	Gas Service	Dimensions (mm)		Weight (kg)	
		Product Only	With Packaging	Nett	Gross
OTS200	Oxygen / MAP-Pro™ (or equivalent)	(H) 340 (W) 210 (D) 180	(H) 350 (W) 230 (D) 195	4.30	4.32

KITS

The Turbo Set 90 Kit uses a one piece “monobloc” nozzle, whereas the Turbo Set 200 Kit uses a two piece nozzle. The monobloc nozzle has a softer flame and is normally more suited to applications such as silver soldering and brazing, where a smaller and softer flame can be of benefit. Due to the one piece design, the consumption of oxygen and fuel gas is very low, making these nozzles very economical.

The two piece nozzle is designed to give a broader, more comprehensive flame. It achieves this by having a ring of smaller heating holes around the larger primary hole. This allows for quicker heating times, making the flame more controllable and less susceptible to blowing out in the wind. It was designed specifically with the professional trades people in mind.

TURBO SET 90 INDICATIVE CONSUMPTION RATES

Monobloc Nozzles	Oxygen	Fuel Gas
Tip Size 0.50 mm – 63 L/h	40 g/h (3.5 h)	20.8 g/h (17 h)
0.60 mm – 100 L/h	58.4 g/h (2.4 h)	26.0 g/h (13.5 h)
0.70 mm – 160 L/h	71.2 g/h (1.9 h)	28.4 g/h (12.4 h)
0.90 mm – 225 L/h	114.8 g/h (1.2 h)	47.2 g/h (7.5 h)
Two Piece Nozzle (Fitted to Lance)		
0.55 mm – 80 L/h	200 g/h (42 mins)	36.8 g/h (9.5 h)

Microset Needles	Oxygen	Fuel Gas
Tip Size 0.4 mm – 48 L/h	20.0 g/h (7 h)	8.8 g/h (41 h)
0.5 mm – 54 L/h	20.0 g/h (6.5 h)	11.2 g/h (32.5 h)
0.6 mm – 66 L/h	28.0 g/h (5 h)	15.6 g/h (22.5 h)
0.9 mm – 108 L/h	84.8 g/h (1.5)	28.0 g/h (12.5 h)

TURBO SET 200 INDICATIVE CONSUMPTION RATES

Two Piece Nozzles	Oxygen	Fuel Gas
Tip Size 0.45 mm – 63 L/h	150 g/h (45 mins)	40 g/h (5.5 h)
0.65 mm – 100 L/h	250 g/h (35 mins)	84 g/h (4.0 h)
0.85 mm – 160 L/h (Fitted to Lance)	280 g/h (25 mins)	117 g/h (2.5 h)
1.00 mm – 250 L/h	400 g/h (20 mins)	150 g/h (2.0 h)
1.20 mm – 315 L/h	550 g/h (15 mins)	230 g/h (1.5 h)

