



Introduction

The range of High Pressure Flexible Connection Leads distributed by Tesuco® are manufactured to BS EN ISO 14113:1997 (rubber and plastic hose assemblies for compressed or liquefied gases up to a maximum design pressure of 450 bar), under a strict BS EN ISO 9001 quality and design management system.

Feature	Oxygen	Acetylene	Fuel Gases	Inert Gases	Carbon Dioxide Industrial	Carbon Dioxide Beverage
Hose Liner	Virgin PTFE	Polymeric	Polymide	Polymide	Polymide	Virgin PTFE
Construction	Double braided stainless steel braiding with hytel cover	Braided stainless steel and kevlar braiding with hytel cover	Single braided high tensile steel wire with polyurethane perforated cover		Double braided high tensile synthetic fibre with TPU pinpricked cover	
Whip Cable	Fitted (except LPG) with retaining clips no more than 150 mm apart					
Permanent Markings	Gas service, MWP and applicable standard					Tesuco, gas service, MWP and date
End Fitting Material	Brass to BS2874:CZ121 / CZ114					Plated mild steel
Inlet Connection	All hoses are fitted with inlet connections to AS 2473					Beverage connection
O-Rings and Filters (Inlet)	Yes					
Outlet Connection	3/8" BSP RH	3/8" BSP LH	3/8" BSP LH	3/8" BSP RH	3/8" BSP RH	1/4" BSPT M RH
Heat Sink	Yes	No	No	No	No	No
Anti-Detonation Coil	No	Yes	No	No	No	No
Radius Coil Springs	Yes	No	No	No	No	Yes
Hose (Internal Diameter)	1/4" Nominal - 6.35 mm					4.8mm nominal
Safe Working Pressure	200 Bar	22.7 Bar	300 Bar	300 Bar	300 Bar	200 Bar
Design Working Pressure	220 Bar	25 Bar	330 Bar	330 Bar	330 Bar	250 Bar
Minimum Burst Pressure	1680 Bar	1000 Bar	1240 Bar		860 Bar	
Test Pressure	Hydraulic 300 Bar Pneumatic 220 Bar	Hydraulic 315 Bar Pneumatic 30 Bar			Hydraulic 450 Bar Pneumatic 330 Bar	
Cleaning	All hoses are cleaned to the process standard					
Reference Specifications	BOC - 50000810	BOC - 50000634	FDA Food Grade Approval		FDA Food Grade Approval	

Maintenance

In accordance with BCGA Code of Practice CP4 and AS 4289, maintenance of the user's system is a critical requirement. The inspection details are as follows:

1. Weekly inspection (by the user) of pigtails and flexible hoses to ensure no corrosion or damage.
2. Annual inspection (by a competent person) of pigtails and flexible hoses to ensure no corrosion or damage.
3. In accordance manufacturer's recommendation replacement and recording shall take place at 5 yearly intervals.

Part No	Gas Service	Inlet Connection	Length
HIG08W	Inert Gas	Type 10	800 mm
HNI08W	Nitrogen	Type 50	800 mm
HNI08WH	Nitrogen	Type 50 (Handwheel)	800 mm
HNI08WP	Nitrogen	Type 51	800 mm
HCD08W	Carbon Dioxide	Type 30	800 mm
HAI08W	Air	Type 60	800 mm
HAI08WH	Air	Type 60 (Handwheel)	800 mm
HAI08WP	Air	Type 61	800 mm
HSP08	Special	User specification	800 mm
HOX18W	Oxygen	Type 10	1800 mm
HAC18W	Acetylene	Type 20	1800 mm
HHY18W	Hydrogen	Type 20	1800 mm
HLP18W	Propane	Type 21	1800 mm
HIG18W	Inert Gas	Type 10	1800 mm
HNI18W	Nitrogen	Type 50	1800 mm
HNI18WH	Nitrogen	Type 50 (Handwheel)	1800 mm
HNI18WP	Nitrogen	Type 51	1800 mm
HAI18W	Air	Type 60	1800 mm
HAI18WH	Air	Type 60 (Handwheel)	1800 mm
HAI18WP	Air	Type 61	1800 mm
HCD18W	Carbon Dioxide	Type 30	1800 mm
HSP18W	Special	User specification	1800 mm
HCD10WH	CO ₂ Beverage	Type 30 Hand Wheel	1000 mm
HCD10WEF	CO ₂ Beverage	Type 30 Ezy Fit	1000 mm
HCD10WHN	CO ₂ Beverage	Type 30 Ezy Fit & NRW	1000 mm

Note: Other lengths and configurations are available upon request. Contact us for more details.