

CIGWELD

AN ESAB BRAND



BLUEVENOM XF190

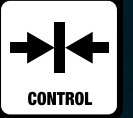
MULTI PROCESS WELDING INVERTER

MIG

STICK

LIFT TIG-DC

PLATE THICKNESS



SYNERGIC 3-IN-1 WELDING INVERTER WITH MIG PLATE THICKNESS SELECTION

190A
POWER

3 IN 1
MULTI PROCESS

OPTI
START

AUTO SET
MIG PROCESS

2-ROLL
DRIVE

SPOOL GUN
COMPATIBLE



SMALLER, LIGHTER, YET MORE POWER

The BlueVENOM XF190 is loaded with Xtra Functions that pack a serious sting to get the job done!

30% smaller than some other machines in its class and lighter in weight at only 9.5kgs - BlueVENOM is here - ready to release your inner Welditude™!

Boasting a built for comfort MIG gun, this Synergic 3-in-1 predator takes the guesswork out of welding with its pre-defined QuickSet plate thickness selection settings - simply select your gas (if you're using it), wire diameter and your plate thickness - then arc away!

Navigate with ease through the bright blue 4.3" LED panel with a single control knob and glove-friendly easy-press buttons.

Not only can you now 'Plug n' Weld' using a 10 Amp (230V/240V) plug, you can also customise the way your arc starts through 'OptiStart' technology - delivering refined arc characteristics in the most popular processes of MIG (QuickSet and Manual, Gas & Gasless). Additionally in MMAW/STICK Electrode mode we have added a Voltage Reduction Device (VRD) for maximum safety and DC-Lift TIG is provided with Trigger Button On/Off or Dial Amperage Control functions when using optional TIG Torches.

CAN YOU HARNESS THE POWER?

**A USER FRIENDLY INTERFACE WITH EASY PRESS BUTTONS
DESIGNED WHEN WEARING WELDING GLOVES.**

CHOOSE GAS TYPE

ARGON for Aluminium & SilBronze MIX Gas for Welding Steels & Stainless GASLESS for using Gasless MIG Wires.

TRIGGER MODE SELECTION

2T for standard On/Off MIG/TIG mode. 4T for locking on the trigger for long runs - cruise control for welding!

SELECT YOUR WELDING PROCESS

MIG/TIG/MMA (Stick)

ADVANCED & BACKGROUND SETTINGS

Toggle through features and background settings including; Inductance, Burnback, OptiStart (independent Soft and Hard Starts) in MIG Modes plus Hot Start and Arc Force in STICK Mode.

EURO GUN CONNECTIVITY

Equipped with a EURO Connection allowing for multiple MIG gun options.

ERGONOMIC & ROBUST CARRY HANDLE

DIGITAL DISPLAY

The BLUEVENOM XF190 is equipped with a 4.3" bright blue Sharp LED display which provides optimal clarity both indoors and outdoors.

WIRE DIAMETER SELECTION

Choose Wire sizes; 0.6mm, 0.8mm, 0.9mm, 1.0mm and MAN (Manual) MIG Mode for welding - wire size selection not applicable in MAN Mode

WIRE INCH & GAS PURGE

Easy access Wire Inch and Gas Purge functions at the tip of your fingers.

1-PRESS CONTROL KNOB

User friendly, simple screen navigation.

POLARITY CHANGE LEAD

Change depending on process used.



BLUEVENOM XF190

EASY TO USE, EASY TO SET

- QuickSet, simple to set & weld
- Spool Gun compatible, great for Aluminium (sold separately)
- Suitable for 100mm and 200mm Diameter Spools
- MIG Gasless and MIG Gas Shielded
- Bright Blue LED Digital Meter for outdoor use
- Fine tuning of Pre-Set Wire Speed & Volts
- Full control over manual settings
- Welding wire size selection
- Recommended MIG & TIG welding thickness range 0.6mm – 10mm
- Recommended STICK welding thickness range 1.6mm – 12mm
- Factory Settings reset feature
- You can weld most metals including Mild Steel, Stainless Steel, Aluminium and Bronze
- CIGWELD have specially configured this machine to be able to produce great welding results from 230V/240V x 10A power

WIRE DRIVE SYSTEM

2x Roll All-Driven Wire Drive system for smoother and effortless feedability.



AWESOME OUTPUT FOR A SMALL MACHINE

The BlueVENOM XF190 delivers a maximum output of 190 Amps DC in MIG and TIG Modes, which means the machine is capable of welding metals from 0.6mm up to 10mm. In STICK mode the machine is capable of welding metals from 1.6mm up to 12mm in thickness.

XTRA FUNCTIONS

The BlueVENOM XF190 is the perfect solution for light fabrication, maintenance and repairs or for DIY around the home, workshop, worksite, or farm without compromising on quality, safety and performance! With the avid welder in mind, CIGWELD have introduced "Opti-Start", a feature that allows the user to customise their starting arc characteristics through Soft and Hard Start controls. To top it off, the unit has the following built-in features:

- 2 x Roll All-Driven (top & bottom) Wire Drive system
- MIG Adjustable Wire Burnback
- MIG Soft & Hard Start
- MIG Wire Inch button
- MIG Gas Purge button
- MIG Side door wire installation, side loader
- MIG Anti de-spooling safety feature
- Spool Gun Compatible
- STICK with Voltage Reduction Device (VRD) built-in for Safe Welding
- STICK Hot Start
- STICK Arc Force
- STICK Anti-Stick
- Thermal Overload Protection
- TIG Foot Control Compatible
- TIG Dial Remote Torch Compatible

TECHNICAL SPECIFICATIONS

Power Supply (Voltage):	Single-Phase 230V/240V +/-15%
Australian Standard:	AS 60974.1:2020
Frequency Hertz:	50/60Hz
Supply Lead and Plug supplied:	10 Amp Plug
Generator Rating:	10 kVA (at 0.8 Power Factor) at Max Amps
Amperage Range (MIG):	30 – 190A
Voltage Range:	15.5 – 26.0V
MIG (GMAW) Duty Cycle @ 40°C, 10 minutes:	185 Amps @ 9% 72 Amps @ 60% 56 Amps @ 100%

STICK (MMAW) Duty Cycle @ 40°C, 10 minutes:	160 Amps @ 10% 65 Amps @ 60% 50 Amps @ 100%
TIG (GTAW) Duty Cycle @ 40°C, 10 minutes:	190 Amps @ 10% 77 Amps @ 60% 60 Amps @ 100%
Nominal DC Open Circuit Voltage in MIG Mode:	52V
Open Circuit Voltage (VRD On) STICK Mode:	<35V
Weight of Power Source:	9.5Kg
Power Source Dimensions (mm):	L: 465 x W: 190 x H: 340
Weight of Full Package:	16.6Kg
Full Package Dimensions (mm):	L: 530 x W: 295 x H: 345
Protection Class:	IP 21S

MULTIPROCESS CONNECTIVITY



MIG GUN:

For welding Mild Steel, Stainless Steel, Aluminium and Bronze.



SPOOL GUN:

(Sold Separately):
For greater precision welding of Aluminium, Stainless Steel and Bronze.



ELECTRODE HOLDER:

For welding Mild Steel, Stainless Steel, Cast Iron and dissimilar metals.



TIG TORCH

(LIFT-TIG & DIAL REMOTE):
(Sold Separately) For welding any commercial metal (excluding aluminium alloys).



FOOT CONTROL:

(Sold Separately)
For remote adjustment of welding current on TIG mode.



WARRANTY PERIOD

2-Year conditional warranty. See terms and conditions at cigweld.com.au or in the Operating Manual, included with the machine.



FEATURES



MIG (GMAW / FCAW): 190A

0.6-1.0mm: Solid MIG wires & 0.8-0.9mm gasless MIG wires
0.9-1.2mm: Aluminium MIG wires
0.8-0.9mm: Stainless Steel MIG wires.



Up to 10mm Plate Thickness

Power source is suitable to weld a maximum plate thickness of up to 10mm.



Adjustable Burnback Control

Adjusts stick-out and prevents wire from burning back.



STICK (MMAW): 160A

Power source is suitable for 2.0mm, 2.5mm, 3.2mm and 4.0mm electrode sizes.



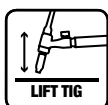
Spool Gun Compatible

Compatible with SGT-250 Spool Gun in Manual Mode.



Opti-Start

Adjustable Soft & Hard start for optimum arc starting characteristics.



DC LIFT TIG: 190A

This unit features a Lift TIG function that provides smooth starting and running characteristics across a broad range of applications.



Easy Access Gas Purge Button

Easy access Gas Purge button on front display enables user to purge shielding gas through MIG Gun.



4.3" Blue LED Screen

Bright screen allows for greater clarity in various welding conditions.



Plate Thickness Control (QuickSet)

Reduce setup time. Welding parameters are automatically set based on wire diameter, material type and plate thickness.



Easy Access Wire Inch Button

Easy access Wire Inch button on front display enables user to feed wire without wasting shielding gas.



Thin Plate

Precision welding of thin sheet metals - ideal for car panel repairs.

BLUEVENOM XF190

P/N: W1400190

PACKAGE INCLUDES

- BLUEVENOM XF190 POWER SOURCE
- MIG GUN WITH EURO CONNECTION, 3m
- 300A WORK CLAMP, 3m LEAD
- TWISTLOCK ELECTRODE HOLDER, 3m LEAD
- FEED ROLLS: 0.8/0.9mm GASLESS - KNURLED, 0.8/0.9mm V GROOVE (FITTED)
- ARGON GAS HOSE, 2m
- GAS REGULATOR
- NYLON INLET GUIDE FOR SOFT WIRES
- OPERATING MANUAL



SCAN CODE FOR FULL PRODUCT DETAILS

CIGWELD

AN ESAB BRAND

BLUEVENOM XF190

OPTIONAL ACCESSORIES & SPARES

BZL 15 Nozzle, 12mm, Pack of 2	BZN1512	TIG Torch 17V with 4m lead and gas valve	W4013801
BZL Contact Tip 0.6mm M6 L: 25mm, Pack of 10	BZT6606	TIG Torch 17V with 4m lead and gas valve and remote control	W4013800
BZL Contact Tip 0.8mm M6 L: 25mm, Pack of 10	BZT6608	TIG Starter Kit 1 17/18/26 TIG Torches	CT1726K1
BZL Contact Tip 0.9mm M6 L: 25mm, Pack of 10	BZT6609	Tweco SGT250 Spool Gun	W4011250
BZL Contact Tip 1.0mm M6 L: 25mm, Pack of 10	BZT6610	TIG Foot Control with 7m Lead	W4015825
BZL Contact Tip 1.2mm M6 L: 25mm, Pack of 10	BZT6612	Argon Mini-Regulator and Gas Hose Kit includes CutSkill Regulator/Flowmeter Side Inlet, Gas Hose 2m and Hose Clamp.	W4013010
BZL Contact Tip 1.4mm M6 L: 25mm, Pack of 10	BZT6614	WeldSkill Argon Regulator / Flowmeter, 55LPM, 2 Gauge	210254
BZL 15 Tip Holder, M6, LH, Pack of 2	BZH15L	CutSkill Preset Argon Regulator / Flowmeter Side Inlet	201031
MIG Front-end Kit Box BZL-15 LH	W4012303	MIG Pliers, 8-Function	CWPLIER
Multi Liner Kit Steel 0.6-0.9mm, 5.1m	CML5K0609	WeldSkill Welding Equipment Trolley	W4011501
Multi Liner Kit Steel 0.9-1.2mm, 5.1m	CML5K0912	WeldSkill Welding Leadset 4m, 25mm ² cable, 50mm ² DINSE, 250A Twistlock Electrode Holder	WS42550
Multi Liner Kit Aluminium 0.9-1.6mm, 4.5m	CML5K0916A	WeldSkill Welding Leadset 5m, 35mm ² cable, 50mm ² DINSE, 400A Twistlock Electrode Holder	WS53550
CIGWELD MIG Gun BZ15 Euro 3m (Marked as: CMGBZ15E3)	W52BR15E3		
Nylon Inlet Guide (Soft Wires)	W7007384		

RELATED PRODUCTS

WeldSkill Heavy Duty Welding Gloves - Medium	646766	Auto Darkening Welding Helmet Variable Shade 9-13 - Payday	WHAMXC130
WeldSkill Heavy Duty Welding Gloves - Large	646755	Auto Darkening Welding Helmet Variable Shade 9-13 - Torque	WHAMXC120
WeldSkill Heavy Duty Welding Gloves - XL	646767	WeldSkill Magnetic Welding Clamp/Holder - Medium	646764
WeldSkill Welding Jacket - Medium	646771	WeldSkill Magnetic Welding Clamp/Holder - Large	646765
WeldSkill Welding Jacket - Large	646772	WeldSkill Welding Curtain - Dark Green, 1.74m x 1.74m	646770
WeldSkill Welding Jacket - XL	646773	WeldSkill Welding Curtain - Red, 1.74m x 1.74m	646777
WeldSkill Welding Jacket - XXL	646774	Welding Curtain Frame, 1.8m x 1.8m	646776
CIGWELD Heavy Duty Backpack	W4018001	Welding Blanket, 1.8m x 1.8m	646778

OPTIONAL FEED ROLLS

Feed Roll 0.6/0.8mm V Groove Solid Wires	FR302210V0608	Feed Roll 0.8/0.9mm U Groove Soft Wires	FR302210U0809
Feed Roll 0.8/0.9mm V Groove Solid Wires (fitted on machine)	FR302210V0809	Feed Roll 1.0/1.2mm U Groove Soft Wires	FR302210U1012
Feed Roll 1.0/1.2mm V Groove Solid Wires	FR302210V1012	Feed Roll 0.8/0.9mm V Knurled Flux Cored wires (included)	FR302210K0809

ORDERING DETAILS



**BLUEVENOM XF190
PACKAGE**
P/N: W1400190

670128-01-623

CIGWELD BlueVENOM XF190 V1-2023
CIGWELD Pty Ltd An ESAB Brand.
www.cigweld.com.au



CIGWELD Pty Ltd An ESAB Brand 71 Gower Street, Preston VIC 3072 Australia
CUSTOMER CARE: Tel: 1300 654 674 | Intl Tel: +61 9474 7400
Email: enquiries@cigweld.com.au



CIGWELD.COM.AU

In the interest of continuous improvements, CIGWELD Pty Ltd ABN 56 007 226 815 (An ESAB Brand) reserves the right to change specifications or design on any of its products without prior notice.