

BlueFab® C350i/S400i

Issued September 2023 • BlueFab Rev. 01.1/UK

**Multiprocess Welding
Power Source**



Quick Specs



Industrial Applications

Maintenance repair
Manufacturing
General ship building
Mild steel applications
General Construction

Processes

MIG/MAG
Synergic MIG/MAG
DC MMA
DC TIG Lift

Input Power

400V ±15%, 3-phase

Rated Output

C350i: 320 A @ 60%
S400i: 400 A @ 60%

Net Weight

C350i: 56,6 kg
S400i: 58 kg
Wire Feeder: 17,5 kg

NEW!

Make the move - reduce energy consumption and cost of operation.

The robust and reliable BlueFab series of products is the perfect combination of industrial performance and simplicity. With the energy efficiency achieved through the latest inverter technology, the system offers considerable cost savings compared to traditional welding equipment.

Easy to operate

Why compromise? – Welders appreciate simplicity and easy access to the parameters that matters. At the same time, finer adjustments can be needed to achieve the highest quality welds. The BlueFab offer the perfect combination of pre-set values and synergic programs with a clean and crisp user interface.

Mobility and portability

The BlueFab wire feeder, equipped with an industrial grade 4-wheel drive mechanism is both compact and light weight. The connections are covered and protected to ensure reliability and reduced down-time. The metal casing can take a beating and survive the toughest work environment.

Direct access to stored programs

The operator has access to 4 pre-programmed or customized programs from the front panel of the wire feeder. The trigger select functionality improves productivity when different programs can be selected from the torch trigger – no need to go back to the wire feeder.

Prepared with synergic programs

Miller have prepared and equipped the BlueFab with multiple synergic lines for the most common material, wire and gas combinations. The Wire feed speed can be presented as meters per minute or as a predicted amperage value.



BlueFab® C350i

BlueFab® S400i
with cooler and wire feeder

Multi-Process capabilities

Full MMA and LiftTIG capability can be accessed from the front panel of the power source.

Flexibility

The running gear with the integrated gas bottle shelf shares with the power source. The optional water cooler can be easily installed, no service technician required. The wire feeder can easily be removed from the power source and the optional wheel kit can be attached at all times.

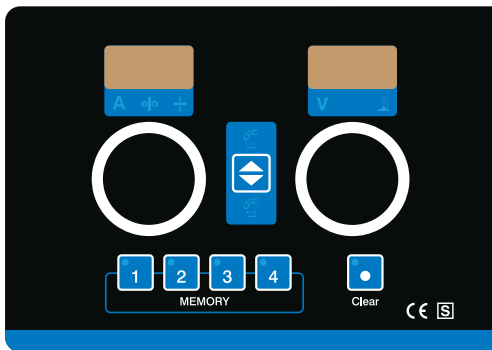


Power source is warranted for three years, parts and labor.



User Interface

Wire feeder user interface

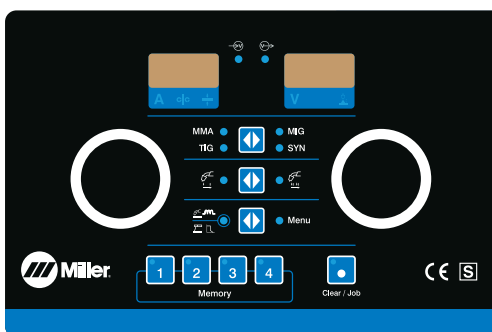


Settings on the feeder

(clean and simple, every day use):

- Left encoder - setting of WFS (Amps or plate thickness)
- Right encoder - setting of voltage (arc length)
- Trigger mode (2T or 4T)
- Recall one of four programs
- Wire inching and gas purge (Inside the wire spool cabinet)

Power Source user interface



Settings on power source

(Not needed for every day use):

- Set the process, including selecting synergic lines
- Pre/Post gas
- Run-in speed
- Slope up/down
- Crater fill
- Burnback time
- Inductance
- Hot start™ (MMA)
- Arc force™ (MMA)



Advantages

No need to go into menus or scroll through lists of programs - It takes 3 seconds to store.

The operator can store programs for different **processes**.

The operator can switch between the programs remotely by tapping the gun trigger (Trigger select).

Easy access

Push and hold to store a program.

The selected program 1, 2, 3 or 4 is indicated by a light in the corner of the program.

MIG guns - Miller® EuroGun line

Stock No.	EuroGun	Water	Air	Euro connector	Water quick connect	Remote WFS and Volts control on gun	3 meter	4.5 meter	Rating CO ₂ gas (A)	Rating Mix gas (A)	Duty cycle (%)
058023005	A-300	-	●	●	-	-	●	-	300	250	100
058023006	A-300	-	●	●	-	-	-	●	300	250	100
058023001	W-500	●	-	●	●	-	●	-	500	400	100
058023002	W-500	●	-	●	●	-	-	●	500	400	100

A – air cooled W – water cooled



Specifications



BlueFab C350i

Process	Input Power	Voltage Range in CV	Amp Range Dc	Rated Output @ 40°C	Max. Open Circuit Voltage	IP Rating	Dimensions	Weight
MIG/MAG	400 VAC, 3 ph (50/60 Hz)	15,5 - 31,5 V	30 - 350 A	320 A / 30 V @ 60% duty cycle	45 VDC	IP23	H: 857 mm W: 487 mm D: 990 mm	56,6 kg
DC TIG Lift		10,4 - 24 V	10 - 350 A	320 A / 22,8 V @ 60% duty cycle	12 VDC			
DC MMA		20,8 - 32 V	20 - 300 A	280 A / 31,2 V @ 60% duty cycle	60 VDC			

BlueFab S400i

Process	Input Power	Voltage Range in CV	Amp Range Dc	Rated Output @ 40°C	Max. Open Circuit Voltage	IP Rating	Dimensions	Weight
MIG/MAG	400 VAC, 3 ph (50/60 Hz)	15,5 - 34 V	30 - 400 A	400 A / 34 V @ 60% duty cycle	45 VDC	IP23	H: 1300 (with Feeder) W: 487 mm D: 990 mm	58 kg
DC TIG Lift		10,4 - 24 V	10 - 350 A	350 A / 24 V @ 60% duty cycle	12 VDC			
DC MMA		20,8 - 34 V	20 - 350 A	350 A / 34 V @ 60% duty cycle	60 VDC			

IP23 rating — This equipment is designed for outdoor use. It may be stored, but is not intended to be used outside during precipitation unless sheltered. Operating temperature range is 14 to 104°F (-10 to 40°C). Storage temperature range is -22 to 149°F (-30 to 65°C). Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."

All CE models conform to the applicable parts of the IEC 60974 series of standards.

Technical Data Cooler

Cooler	System	Tank size	Flow rate	Cooling capacity	Housing	Power	Low pressure alarm	Pump prime valve	Weight
BlueFab C350i	Complete water cooler housed inside the power source casing	4,3l (Filling from the rear of the cooler/power source)	100 l/h (1,67 l/min) @3,5bar	0.9 kW	Integrated with the power source	Supplied through the power source	Yes	Yes (Manual)	9 kg
BlueFab S400i		4,3 l (Filling from the front side)		1.1 kW					12,6 kg

Drive Rolls (ø 37 mm)

Drive Rolls for Steel

Groove	Type	Stock No.	Quantity
0,6 - 0,8 mm	Pressure roll	7700000011	x2
	Feed roll	7700000016	x2
0,8 - 1,0 mm	Pressure roll	7700000012	x2
	Feed roll	7700000017	x2
0,9 - 1,1 mm	Pressure roll	7700000013	x2
	Feed roll	7700000018	x2
1,0 - 1,2 mm	Pressure roll	7700000014	x2
	Feed roll	7700000019	x2
1,2 - 1,6 mm	Pressure roll	7700000015	x2
	Feed roll	7700000020	x2

Drive Rolls for Aluminium

Groove	Type	Stock No.	Quantity
0,8 - 1,0 mm	Drive Rolls	7700000021	x4
1,0 - 1,2 mm	Drive Rolls	7700000022	x4
1,2 - 1,6 mm	Drive Rolls	7700000023	x4

Drive Rolls for Flux Core

Groove	Type	Stock No.	Quantity
1,2 - 1,6 mm	Drive Rolls	7700000024	x4

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
BlueFab S400i Air Cooled	3400000001	The S400i air cooled package is delivered with included running gear.		
BlueFab C350i Air Cooled	3300000001	The C350i air cooled package is delivered with included running gear.		
BlueFab Cooler Seperate	7500000003	A cooler can be added to an air cooled version afterwards		
BlueFab Cooler Compact	7500000004	A cooler can be added to an air cooled version afterwards		
BlueFab Wire Feeder	3800000002			
BlueFab S400i Water Cooled	3400000002	The S400i water cooled package comes with an already installed water cooler and running gear.		
BlueFab C350i Water Cooled	3300000002	The C350i water cooled package comes with an already installed water cooler and running gear.		
MIG Guns		See page 3		
Interconnection Cables				
IC, BlueFab, Air, 2 m	7400000002			
IC, BlueFab, Air, 5 m	7400000003			
IC, BlueFab, Air, 10 m	7400000004			
IC, BlueFab, Air, 15 m	7400000005			
IC, BlueFab, Air, 20 m	7400000006			
IC, BlueFab, Air, 25 m	7400000007			
IC, BlueFab, Air, 30 m	7400000008			
IC, BlueFab, Water, 2 m	7400000009			
IC, BlueFab, Water, 5 m	7400000010			
IC, BlueFab, Water, 10 m	7400000011			
IC, BlueFab, Water, 15 m	7400000012			
IC, BlueFab, Water, 20 m	7400000013			
IC, BlueFab, Water, 25 m	7400000014			
IC, BlueFab, Water, 30 m	7400000015			
Accessories				
Return Cable Kit, 400 A, 70 mm², 5 m	057014340			
Coolant 3.8 l	043810	2 canisters required to fill the tank		
Running Gear, BlueFab Wire Feeder	8300000192			

Date:

Total Quoted Price:

Miller recommends *Elega* consumables

Distributed by:

