

Processes

MIG (GMAW), Flux Cored (FCAW)

Product Number

WR1200

Input Voltage

15 - 100 VDC

Rated Output

400A @ 100% Duty Cycle

Wire Speed Range

58 - 850 IPM (1.5 - 22 m/min)

Wire Size Range

.024" - 5/64" (0.6 - 2.0 mm)

See back for complete specifications.

Industrial Applications:

Heavy - or light-duty fabrication shops, Construction, Railroad repair, Trailer manufacturers, Educational institutions.

Features:

- **Voltage Sensing:** Works off Power Supply output. No need for bulky control cables.
- **Inch Purge Switch:** 'Cold' wire inch and gas purge.
- **Gun Trigger Hold (2T/4T):** Allows for standard or latched gun trigger.
- **Heavy Duty Contactor:** Long life, 400 amp contactor designed for high output, high duty cycle applications.
- **Machined feed head & tension arms:** Heavy Duty, precision, ensures wire alignment tolerances of +/- .002. Large 4 driven drive roll system. Optimized wire traction for improved feedability.
- **Electronic speed control & dynamic breaking:** Optimized speed control with line voltage and load compensation.
- **TWECO® Style Welding Gun Connection:** Quick and easy connection and disconnection for welding guns.
- **Digital Meters:** Weld Current and adjustable controls.



Features



Super Tough Case

Polypropylene, impact tough, flame retardant.

Digital Meters

Weld Current and adjustment controls.

Control Knob

Operator control of Wire feed speed.

2T/4T Switch

Standard or latched trigger.

TWECO® Gun Connection

Quick and easy connection and disconnection for welding guns.



Burn Back Control Knob

Operator control of Wire Feeder Burn Back.

Inch Purge Switch

"Cold" wire inch and gas purge.

Machined feed head & Tension arms

Heavy Duty, precision, ensures wire alignment tolerances of +/- 0.002. IDler top & geared bottom drive rolls. Optimized wire traction for improved feedability.

Specifications

Field 4HD CC/CV Voltage Sensing
Input Voltage 15 - 100 VDC.
Rated Output @ Duty Cycle 400A @ 100%
Input Frequency 50/60 Hz
Wire Speed Range 58–850 IPM (1.5 - 22 m/min.)
Wire Size Range 0.024" - 5/64" (0.6 - 2.0 mm)
Wire Spool Size 10 lb (4,5 kg) 8" Spool 15 lb (6.8 kg) 8" Spool 30 lb (13.6 kg) 12" Spool 45 lb (19.5 kg) 12" Spool
Approvals CSA (Pending); IP23S, IEC 60974-1 (CE)
Weight 35.27 lb (16 kg)
Dimensions (HxWxD) 13.38" x 12.60" x 21.65" (340 x 320 x 550 mm)



Ordering Information

Product	Part Number	Description
SANFEED Field 4	WF1200	Four roll CC/CV Voltage Sensing wire feeder with wire feed speed/amp control & voltage control; burnback and Digital Meters; <i>includes drive rolls for 0.035 & 0.045 Solid Wire.</i>

Accessories

Drive Rolls (Sold individually)		
Drive Roll	WFR001	0.023", 0.030" (0.6, 0.8 mm) Hard Wire (V Grooved)
Drive Roll	WFR003	0.035", 0.045" (0.9, 1.2 mm) Hard Wire (V Grooved)
Drive Roll	WFR005	0.045", 1/16" / 1.2, 1.6mm Hard Wire (V Grooved)
Drive Roll	WFR007	0.035", 0.045" (0.9, 1.2 mm) Flux Cored Wire (Knurled)
Drive Roll	WFR010	0.045", 1/16" / 1.2, 1.6mm Flux Cored Wire (Knurled)
Drive Roll	WFR013	5/64" (2.0 mm) Flux Cored Wire (Knurled)
Drive Roll	WFR014	0.035", 3/64" (0.9, 1.2 mm) Aluminum Wire (U Grooved)
Drive Roll	WFR020	Smooth

Drive Roll Selection Chart		FLAT	DOUBLE SMOOTH VEE	FLAT	DOUBLE KNURLED VEE	FLAT
Style		1	2	3	4	5
Top		Flat	Double Smooth "V"	Flat	Double Knurled "V"	Flat
Bottom		Double Smooth "V"	Double Smooth "V"	Double Knurled "V"	Double Knurled "V"	Double "U"
Wire Type		Hard	Soft/Hard/Tubular	Hard/Tubular	Hard/Tubular	Soft (Aluminum)
Wire Size						
0.6 mm (.023/.025)	Top	WFR101	-	-	-	-
	Bottom	WFR001 (0.6)	-	-	-	-
0.8 mm (.030)	Top	WFR101	-	-	-	-
	Bottom	WFR001 (0.8)	-	-	-	-
0.9 mm (.035)	Top	WFR101	WFR001 (0.8)	WFR101	-	-
	Bottom	WFR003 (0.9)	WFR001 (0.8)	WFR007 (0.9)	-	-
1.2 mm (.045)	Top	WFR101	WFR003 (0.9)	WFR101	WFR007 (0.9)	WFR101
	Bottom	WFR003 (1.2)	WFR003 (0.9)	WFR007 (1.2)	WFR007 (0.9)	WFR016 (1.2)
1.6 mm (1/16")	Top	WFR101	WFR005 (1.2)	WFR101	WFR007 (1.2)	WFR101
	Bottom	WFR005 (1.6)	WFR005 (1.2)	WFR010 (1.6)	WFR007 (1.2)	WFR016 (1.6)
2.0 mm (5/64")	Top	-	WFR005 (2.0)	WFR101	WFR010 (1.6)	-
	Bottom	-	WFR005 (2.0)	WFR013 (2.0)	WFR010 (1.6)	-
Style 1 & 3: Standard Preferred for general fabrication.				WFR204	Center Guide 0.030 - 5/64	
Style 2 & 4: Alternative for poor wire feedability.				WFR205	Inlet Guide 0.030 - 5/64	
Style 5: Aluminum Applications.						

WFRxxx (x.x) Denotes Drive Roll groove to use.