

PipeWorx FieldPro™ System

Multiprocess Pipe Welding Systems



Quick Specs

Pipe Welding Field Operations

Process piping
Refinery
Petrochemical
Power
HVAC and water pipe

Processes

Stick (SMAW)
DC TIG (GTAW)
MIG (GMAW)
RMD®
Pulsed MIG (GMAW-P)
Flux-cored (FCAW)
Air carbon arc (CAC-A)
(1/4-inch carbons)

Rated Output 350 A at 34 VDC, 60% duty cycle

Output Range **Stick:** 40–350 A
DC TIG: 10–350 A
MIG/Flux-cored: 10–44 V

Net Weight **Power source:** 100 lb. (45.4 kg)
FieldPro remote: 10 lb. (4.5 kg)
FieldPro feeder: 35 lb. (16 kg)
FieldPro smart feeder: 50 lb. (23 kg)

Simplicity-driven performance for your construction site.

Designed exclusively for onsite pipe welding.



PipeWorx 350 FieldPro shown with optional FieldPro remote, FieldPro feeder, and FieldPro smart feeder.



Simplified cable management

- Save time by eliminating the need to trace cables back to change welding parameters and processes.
- No control cables to string and manage on the jobsite.

Complete control at the weld joint

- FieldPro remote reduces weld defects by automatically setting correct polarity for each welding process — without the need to manually swap cables.
- Eliminates the need to “get by” with less than optimal settings without control cables, and allows for easy setup of a new weld process with the touch of a button.
- Total remote control of welding processes and parameters improves safety by limiting jobsite movement and reducing slip, trip and fall hazards.

Arc performance optimized for critical pipe welding

- Industry-leading arc performance like the PipeWorx 400 welding system, but in a field-ready package.
- True multiprocess system provides conventional stick, TIG, FCAW, and MIG welding as well as the advanced technologies of RMD and pulse.
- Smart feeder delivers excellent RMD and pulse welding up to 200 feet away from the power source with no control cables. RMD and pulse processes also help reduce weld failures and eliminate backing gas on some stainless and chrome-moly applications.

New durability standard for field construction

- Designed and built to withstand the harshest field environments.



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



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Stick and TIG Welding Processes



PipeWorx 350 FieldPro

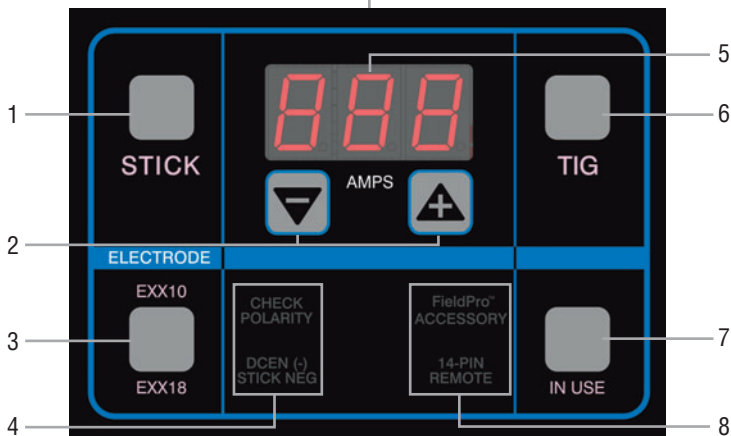


FieldPro remote

Complete remote control. The FieldPro™ remote provides all the same functionality of the PipeWorx 350 FieldPro hundreds of feet from the power source, including process changeover, and amperage adjustment with no special cables. Connect the FieldPro remote in line with the electrode holder or TIG torch with standard welding cables and have *complete remote control*.

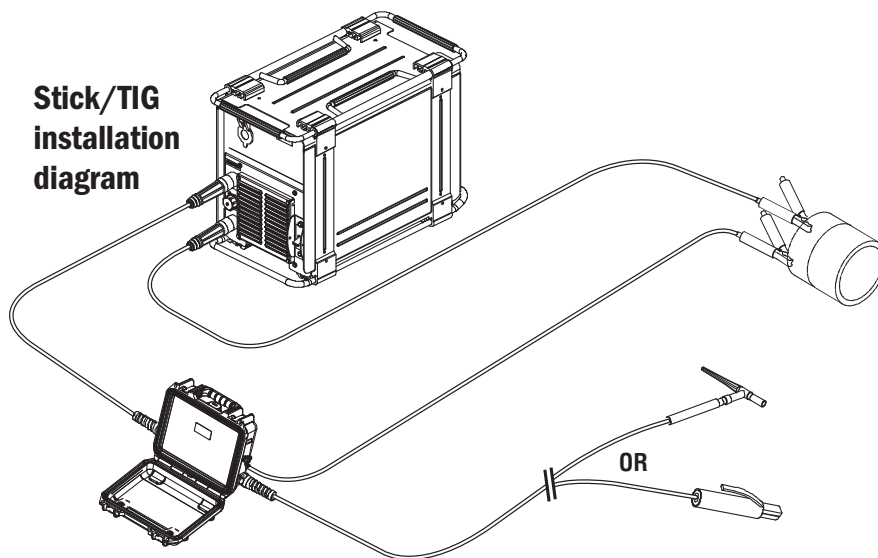
Superior arc performance. The optimized stick and TIG performance specifically meets the needs of open root pipe welding and helps reduce training time and increases quality. Starts maintain root opening and prepared edge and stops limit arc marks outside of the heat-affected zone.

Easy to use. The PipeWorx 350 FieldPro is streamlined and simplified to reduce setup time and potential weld defects. Pushbutton process changeover eliminates the need for swapping cables. The robust design will withstand harsh environments common in the field.



1. Stick Process Selection Button
2. Amperage Output Adjustment
3. Stick Electrode Type Selection
4. Polarity Indicators
5. Digital Meter
6. TIG Process Selection Button
7. In Use Indicator
8. Remote Indicators

Stick/TIG installation diagram



PipeWorx 350 FieldPro™ Specifications (Subject to change without notice.)



Input Power	Amperage/Voltage Ranges	Rated Welding Output	RMS Amps Input at Rated Load Output, 60 Hz, at NEMA Load Voltages and Class 1 Rating			KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
			230 V	460 V	575 V					
Three-phase	10–350 A in CC mode 10–44 V in CV mode	350 A at 34 VDC, 60% duty cycle	36.1	17.8	14.1	15.0	14.4	75 VDC	H: 17 in. (432 mm) W: 12 in. (305 mm) D: 22 in. (559 mm)	100 lb. (45.4 kg)
Single-phase*	10–350 A in CC mode 10–44 V in CV mode	300 A at 32 VDC, 60% duty cycle	54.6	25.4	19.9	11.7	11.2			

*Welding with the smart feeder requires the PipeWorx 350 FieldPro to be hooked up to three-phase power.

RMD® and Pulsed MIG Welding Processes

Smart feeder delivers excellent RMD and pulsed MIG welding up to 200 feet away from the power source with no control cables — twice the distance previously possible. RMD and pulsed MIG processes also help reduce weld failures and eliminate backing gas on some stainless and chrome-moly applications.

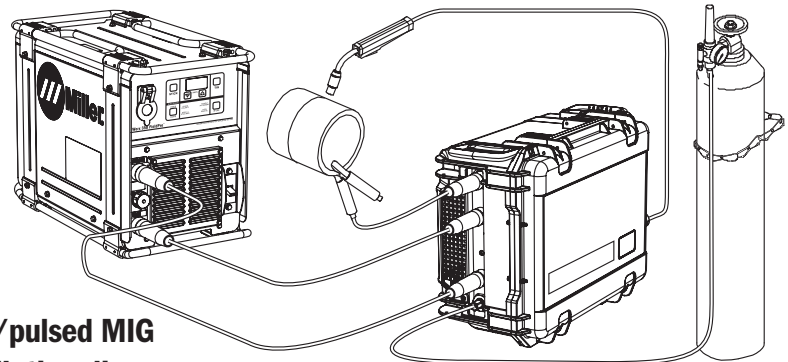
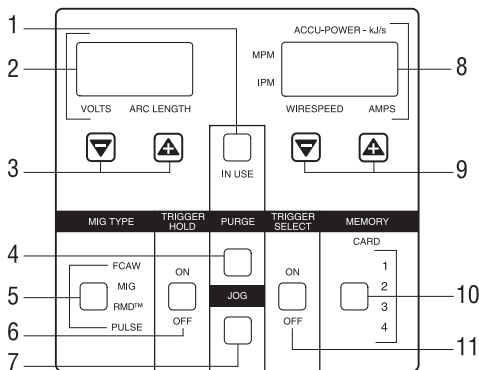
Durable design reduces downtime. Impact-resistant case and the elimination of feeder control cables provide a solid solution to last in harsh environments.



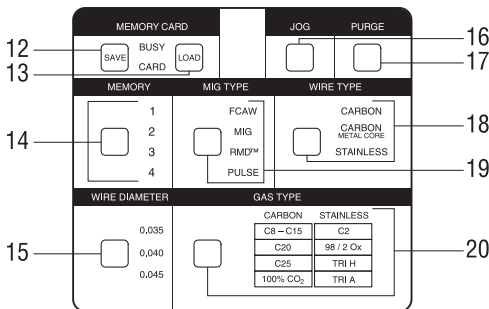
Synergic processes. RMD and pulsed MIG welding permits procedures with one wire and one gas to eliminate process switch-over time.

Easy process changeover. Simply connect the FieldPro smart feeder to your leads and you are ready to go. All controls automatically shift to the FieldPro smart feeder.

FieldPro™ Smart Feeder Control Panel



RMD/pulsed MIG installation diagram



Internal control panel

1. In-Use Button and Indicator
2. Arc Length/Volts Display and Indicators
3. Arc Length/Volts Decrease and Increase Buttons
4. Purge Button
5. MIG Type Select Button and Indicator
6. Trigger Hold On/Off Button
7. Jog Button
8. Amps/Wire Feed Speed Display and Indicators
9. Amps/Wire Feed Speed Decrease and Increase Buttons
10. Memory Select Button and Location Indicator
11. Trigger Select On/Off Button
12. Memory Card Button
13. Memory Card Load Button
14. Memory Select Button and Location Indicator
15. Wire Diameter Select Button and Indicator
16. Jog Button
17. Purge Button
18. Wire Type Select Button and Indicator
19. MIG Type Select Button and Indicator
20. Gas Type Select Button and Indicator

FieldPro™ Smart Feeder Specifications (Subject to change without notice.)



(Use with PipeWorx 350 FieldPro only)

Input Power	Input Welding Circuit Rating	Wire Speed	Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
Operates on open-circuit voltage and arc voltage: 14–110 VDC*	275 A at 60% duty cycle	50–500 ipm (1.3–12.7 m/min.) dependent on arc voltage	.035–.045 in. (0.9–1.1 mm)	12 in. (305 mm), 33 lb. (15 kg)	H: 13 in. (330 mm) W: 18 in. (457 mm) D: 21.5 in. (546 mm)	50 lb. (23 kg)

*Welding with the smart feeder requires the PipeWorx 350 FieldPro to be hooked up to three-phase power.

PipeWorx 350 FieldPro™ Packages

Stick/TIG system

PipeWorx FieldPro stick/TIG welding system package (#951 547) includes PipeWorx 350 FieldPro power source, FieldPro remote, and work sense lead with clamp. The system is shown with 2/0 work cable and clamp (#195 458), 2/0 weld cable extension (#195 456), TIG torch (WP26V122), cable cover (WC310) and connector (#191 981).

- Remotely change process and polarity
- Set actual amperage
- No need to swap weld cables
- Detects improper connection



MIG/flux-cored system

PipeWorx FieldPro MIG/flux-cored welding system package (#951 572) includes PipeWorx 350 FieldPro power source, FieldPro feeder with drive rolls, work sense lead and clamp, and Bernard™ 300-amp MIG gun. The system is shown with 2/0 work cable and clamp (#195 458) and 2/0 weld cable extension (#195 456).

- No feeder control cables
- Eliminates trips back to power source
- Total remote control
- Automatically changes to CV output when feeder is connected



RMD®/pulse system

PipeWorx FieldPro RMD/pulse welding system package (#951 573) includes PipeWorx 350 FieldPro power source, FieldPro smart feeder with drive rolls and Bernard™ 300-amp MIG gun. The system is shown with 2/0 work cable and clamp (#195 458) and two 2/0 weld cable extensions (#195 456).

- Offers traditional MIG and flux-cored processes, as well as advanced RMD and pulse programs.
- Weld up to 200 feet away from the power source with no special cables
- Save welding parameters for later use on SD memory card
- Complete remote control at the weld joint

