

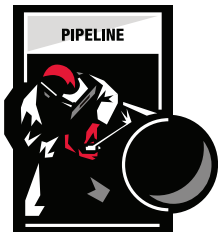
All-New Frontier® 400X Pipe

DESIGNED AND TESTED BY PIPELINERS

The Frontier® 400X Pipe features a specialized pipe mode with DigFX® to easily adapt the arc to the numerous pipeline variables – Gap variations, different pipe wall thicknesses, high/low variations, multiple electrodes, and the list goes on.

DIGFX®

A Lincoln Electric exclusive feature, DigFX® lets users adjust the response time of their machine providing optimal arc and puddle characteristics. This setting provides the user with the ability to fine-tune the arc in a way that compliments the electrode, material, joint fit-up, and user technique. With DigFX®, the Frontier® 400X Pipe provides ultimate control of the arc to conquer any pipeline challenges.



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ENGINE-DRIVEN WELDER/GENERATOR

FRONTIER® 400X PIPE WITH DIGFX®



MEET THE ALL-NEW FRONTIER® 400X PIPE.

A machine that replicates the iconic arc characteristics of the classic Lincoln Electric DC Generators such as the SAE® -300MP, SA-200, and Pipeliner® 200D.

LINCOLN
ELECTRIC

Frontier® 400X Pipe Mode

VOLT-AMP CURVE

The Frontier® pipe mode simulates the volt-amp curve featured in the DC generators. Operators can vary arc length to change amperage.

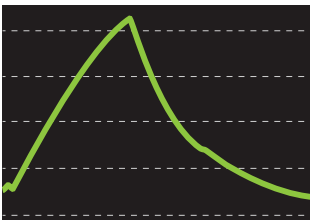
PUSH IN → increased penetration

PULL OUT → better fill in wide sections

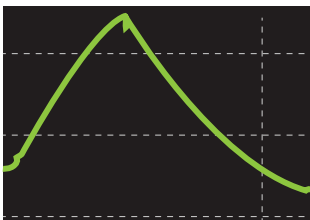
SHORTING RESPONSE

The pipe mode also replicates the shorting response of the legacy pipe welding machines. The machine recognizes a short and applies just enough amperage to clear it.

SAE®-300 SHORTING RESPONSE



FRONTIER® 400X SHORTING RESPONSE

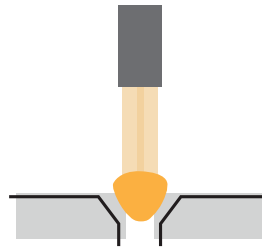


What is DigFX®?

DigFX® allows the operator to tune the arc to provide different puddle characteristics.

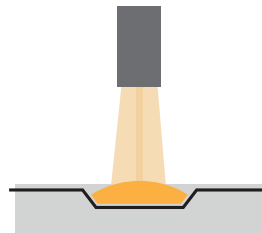
INCREASE TOWARDS +10

- Concentrated arc with more spatter
- More “dig” or “drive”
- Narrower, fast-freezing puddle
- Suitable for root pass on pipe



DECREASE TOWARDS -10

- Smoother arc with less spatter
- Wider, more fluid puddle
- Suitable for fill and cap pass



Frontier® 400X Pipe Benefits vs. DC Generators

HIGHER OUTPUT AND DUTY CYCLES

More welding output to better handle downhill low-hydrogen electrodes

MORE AUXILIARY OUTPUT

Up to 11 kW 3-phase power for jobsite tools and campsite power requirements.

MORE COST EFFECTIVE

Utilizes newer technologies to minimize material cost in the machines

IMPROVED FUEL EFFICIENCY

Use the Auto-Stop/Start feature to eliminate excessive idle on engine to save fuel and avoid wear and tear.

FUTURE-PROOF TECHNOLOGY

Compatible with CrossLinc™ devices for across-the-arc feeder capabilities and Activ8X® Pipe for Field STT® for wire root pass welding

IMPROVED LOW HYDROGEN PERFORMANCE

Exceptional LH-D welding using the new Frontier® Pipe mode with DigFX®