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One step ahead

BASIC SPECIFICATIONS:

REACTOR FOR CONTITE SLAB LIFT (STARTER)

BRAND: GRACO

MODEL: Reactor E-10hp

Ready to spray in 20 minutes*,
Compared to over an hour startup time on a standard Reactor E-10.
*With a 240V model

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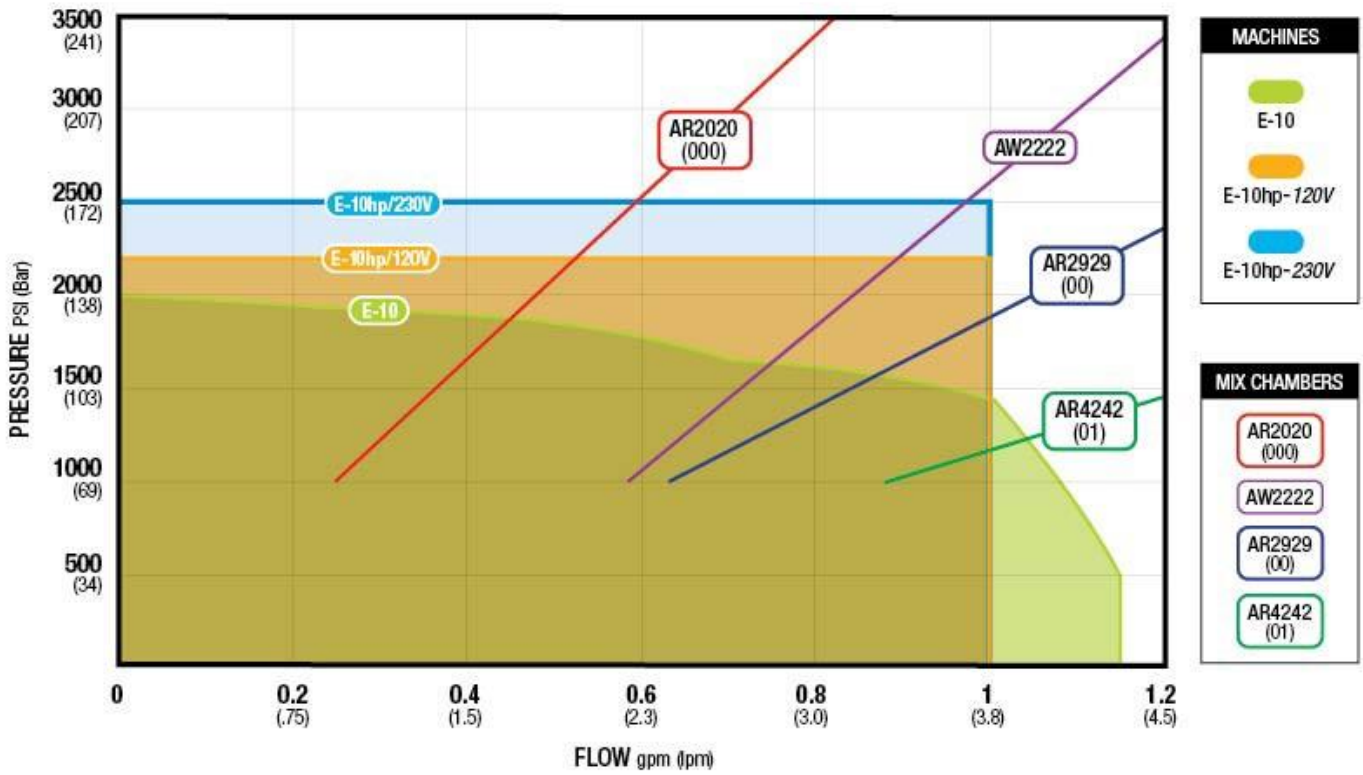
Reactor E-10hp	
Maximum fluid working pressure	20.6 MPa, 206 bar
Maximum spray pressure: 120 V	15.2 MPa, 152 bar
Maximum spray pressure: 230 V	17.2 MPa, 172 bar
Maximum fluid temperature	77°C
Maximum ambient temperature	48°C
Maximum output	3.8 liters/min
Output per cycle (ISO and RES)	0.014 liters/cycle
Air inlet	1/4 in. quick-disconnect industrial type pin fitting
Air outlet	1/4 npsm(m)
Overpressure relief	Recirc/Spray valves automatically relieve excessive fluid pressure back to supply tanks
Gun compressed air requirements	Fusion Gun (purge air and operating air): 4 scfm (0.112 m^3/min)
Maximum hose length	32 m
Tank capacity each (nominal)	22.7 liters
Weight (empty)	108 kg
Recommended Mix Chamber Sizes	
Fusion® Air Purge	000, AW2222 (00 and 01 at reduced spray pressure)
Probler® P2	AA (00 and 01 at reduced spray pressure)

Electrical Requirements	
120 V	100–120 VAC, 1 phase, 50/60 Hz, 3840 W; requires two separate, dedicated 20 A circuits. Full load peak amperage 16 A per circuit
230 V	200–230 VAC, 1 phase, 50/60 Hz, 5520 W; requires two separate, dedicated 15 A circuits. Full load peak amperage 12 A per circuit.
Generator Size	
120 V	5000 W minimum
230 V	7500 W minimum
Heater Power	
120 V	3000 W during recirculation, 2000 W during pressure spray mode
230 V	4000 W during recirculation, 2760 W during pressure spray mode
Sound Pressure	
In fast recirculation mode	71.3 dB(A)
Measure at 2500 psi (17 MPa, 172 bar), 1 gpm (3.8 lpm)	85.6 dB(A)
Sound Power (Measured per ISO-9614-2)	
In fast recirculation mode	79.9 dB(A)
Measure at 2500 psi (17 MPa, 172 bar), 1 gpm (3.8 lpm)	93.3 dB(A)
Fluid Outlets	
ISO Side	-5 JIC male
RES Side	-6 JIC male
Fluid Circulation Returns	
ISO side	-5 JIC male
RES side	-6 JIC male

Hose Markings	
ISO side	Red
RES side	Blue
Wetted Parts	
Wetted parts on all models	Aluminum, stainless steel, carbon steel, brass, carbide, chrome, chemically resistant o-rings, PTFE, ultra-high molecular weight polyethylene
All other brand names or marks are used for identification purposes and are trademarks of their respective owners.	

Material Output

PRESSURE vs FLOW — E-10hp, E-10 with various mix chambers



This chart determines material output based on pressure and selected mix chamber. For example:

- *At 2200 psi with an AW2222 mix chamber, output is nearly 0.9 gpm*
- *At 1800 psi with an AR2929 mix chamber, output is nearly 1 gpm*

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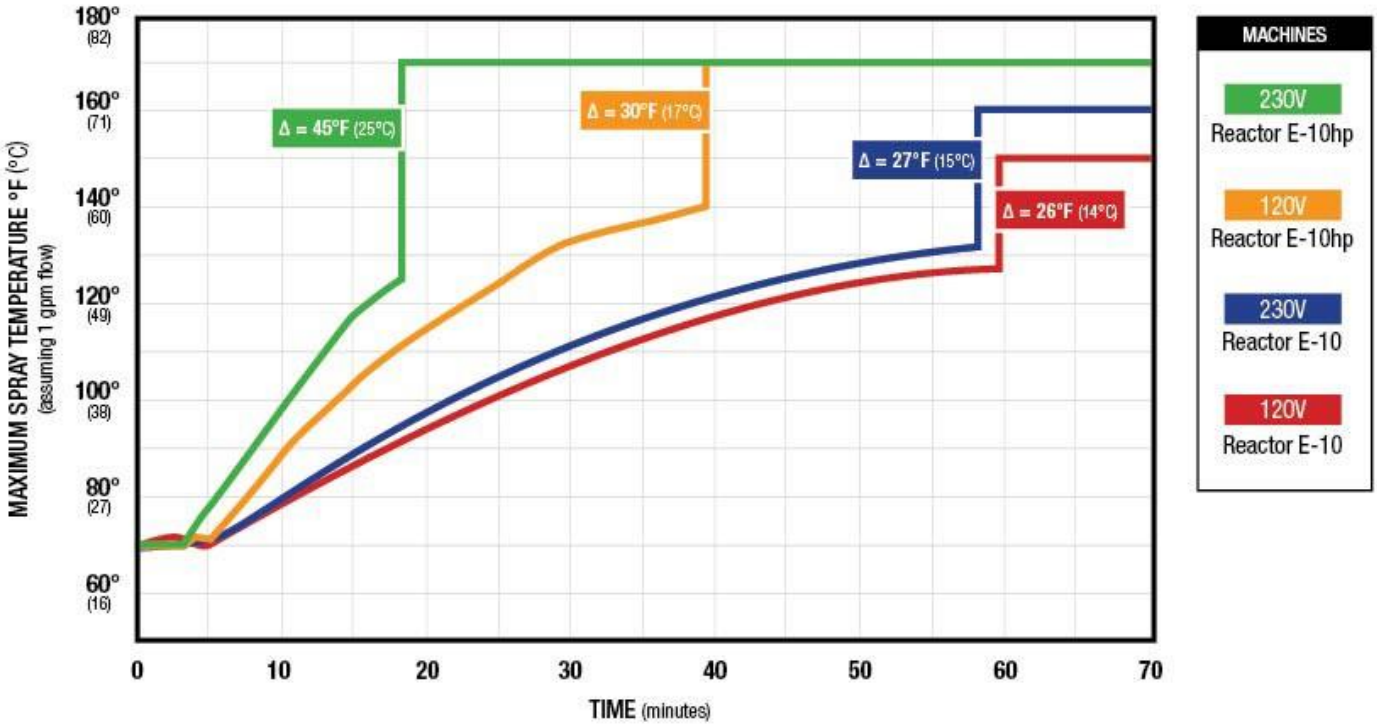
Recirculation Times

MAX SPRAY TEMPERATURE vs TIME — E-10hp, E-10



Use this chart to determine which Reactor E-10 model is best suited for your application needs. This chart determines recirculation times and tank temperatures necessary to achieve your final spraying temperature.

- *Curved portion of line represents tank temperature.*
- *Straight vertical portion of line represents Delta T of primary heaters.*
- *To calculate necessary tank temps, subtract Delta T from your desired spray temperatures*

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