



Optional Components and Pricing

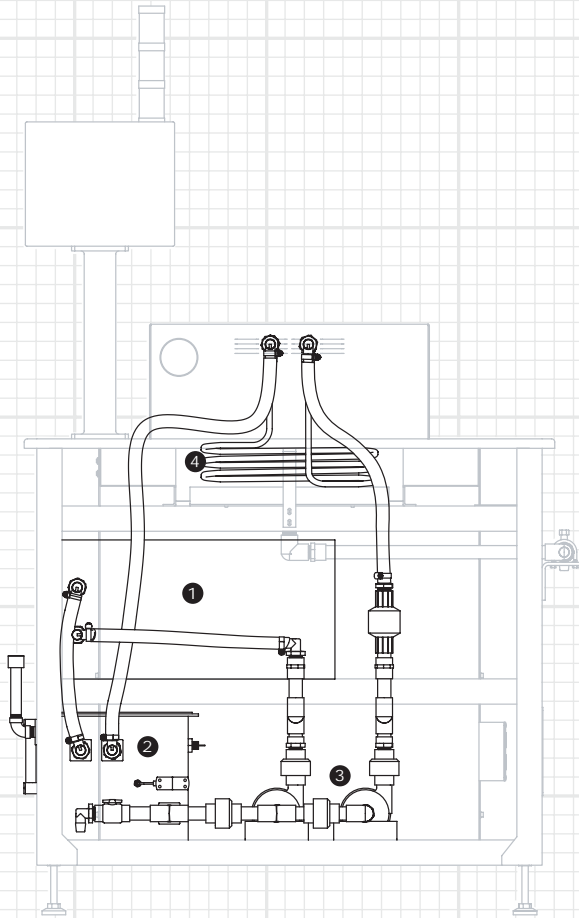
SDC offers additional components and options for the EP10

Standard options including...

- In-Tank Cooling System
- Additional electrical circuit for up to two (2) electropolishing fixtures/racks
- Small parts vacuum handling system

Customization including...

- Anode/Cathode designs, including custom designed racks and parts holding fixtures specific to your application.
- Software programming, Process development assistance



Integrated In-Tank Cooling System

For your maintenance and/or polishing schedules, you may require, or simply prefer, to have the ability to cool the electrolyte bath much faster than simple ambient temperature transfer. For that, SDC offers a complete closed loop cooling system for the EP10 to effectively bring down the temperature of the electrolyte solution.

Cooling system includes:

1. A water chiller with a titanium core
 2. A water reservoir tank
 3. Two circulating water pumps
 4. Coated Cooling Coil inside Polishing Tank
- Completely sealed, Closed loop plumbing system
 - Integrated Touch-Screen control of Cooling System
 - Pre-chill, chill and Emergency activation integrated into the existing machine control system.

Integrated Tank Cooling System: Call for Current Pricing

Tank Cooling System Specs

Chiller power:	1/3 hp, 4050 BTU/Hr
Cooling tank capacity:	3 US Gallons (11.35 Liter) Water only.
Two pump cooling system	<ul style="list-style-type: none"> • "Pre-chill" - closed loop plumbing to circulate cold water through the chiller and back into the cooling tank before circulation through the In-tank Cooling Coil. • "Chill" - second loop plumbing to circulate chilled water through the In-Tank Cooling Coil
Cooling flow rate:	<ul style="list-style-type: none"> • Recirculation through chiller and water tank: 5 US Gallons pr. minute • Circulation through In-Tank Cooling Coil: 10 US Gallons pr minute
In-Tank Cooling Coil	Custom made 1/2-in diameter stainless steel bent tubing with edathon coating

Additional Electropolishing Circuit - 2-Up Configuration

In some cases, parts racks and/or fixtures can be designed small enough to allow two to be in the polishing tank at the same time.

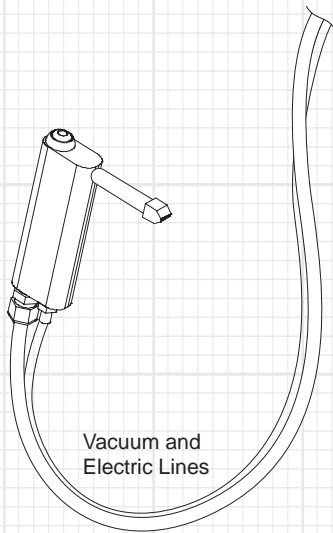
For those applications, we offer an additional electropolishing circuit to run a second, isolated, electropolishing circuit in the same tank. This option essentially doubles the productive capacity of the EP10!

Second Electropolishing Circuit includes:

- Additional (second) dedicated power supply
- Upgraded PLC for additional required I/O
- Second set-up wiring (Wiring for Right and Left side of tank)
- Integrated controls providing identical functions, features and power for both set-ups
- Access to both from the touch-screen display
- Additional standard Anode Clip connector
- Additional standard Cathode In-tank Rod

2-Up Configuration Option: Call for Current Pricing

Small Parts Vacuum Handling System



In applications when manual handling of small parts for loading and unloading the Anode Rack or Fixture, SDC offers a Small Parts Vacuum Handling System integrated onto the EP10 to simplify the handling of small, fragile parts.

Small Parts Vacuum Parts Handling System includes the following additional components:

- Pistol style grip handle with Teflon suction tip
- Finger controlled vacuum On/Off button
- Compressed air vacuum pump
- In-line filters to remove electrolyte before pump
- Constructed entirely out of acid resistant material
- PLC controlled for added functionality including an "air-puff" to separate the part from the suction tip

Small Parts Vacuum Parts Handling System: Call for Current Pricing

Additional Customization

Complete custom design and manufacturing services are available and can be quoted upon request...

- Anode/Cathode development, including custom design and manufacture of racks and parts holding fixtures.
- Customized Material Handling Systems
- Custom Software Development and Programming
- Process development assistance

Contact us to see if our enterprising EP10 can help you achieve success in your electropolishing applications.



Enterprising Electropolishing Machines

Steven Douglas Corp.
10420 Kinsman Rd
Newbury, Ohio 44065
USA

Ph: 440-564-5200
Fax: 440-564-5205

www.s-d-c.com
sales@s-d-c.com

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