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How to Place an Order for Supplies & Accessories

Simply call our 800 number, Fax your order to 1-800-325-7584, or visit our Web Site at www.intech-edm.com to order on-line. Please provide:

- Your company name and customer account number, if available.
- Name of person placing order, and telephone number.
- Catalog number, quantity and description – include machine brand, model number, serial number and OEM part number, if known.

- Shipping method and any special instructions.
- Purchase order number.

Please note that we accept American Express, Discover, MasterCard and Visa as payment for purchases.

Then enjoy Intech's **60 Day Return Policy*** and **95% Same-day Service Level***.

* See Ordering Information, page 1-4, for details.

On the Internet

www.intech-edm.com

We've built an extensive site on the Internet to serve you better. We use our Web site to post changes, updates, corrections, new products, technical bulletins, etc. We've also included copies of all of the prior Sparks newsletters and technical reference material. And, you can place your orders on-line; either through our Web site or via E-mail.

Important Notes:

1. Be sure to check the home page for "What's New", where we post changes, updates, etc. Our Web site will always be the most up-to-date source of the latest product information – much more so than our catalogs – since we update the Web site at least monthly.

2. And be sure to check the "Special Promotions" page, where we post periodic product

promotions, sales and special pricing; particularly on obsolete inventory (*often at prices as much as 60% off list*). These will typically be limited time offers, so check back often.

www.EDMtalk.com

If you'd like to communicate with other EDMers, be sure to visit www.EDMtalk.com, the EDM Bulletin Board and On-line Forum which we've sponsored since 1995. It's been newly revised and updated, so you can:

- Exchange application information – materials, settings, techniques
- Post questions on the bulletin board; and get answers from your fellow EDMers
- Join and contribute to ongoing discussions
- Buy and sell used equipment

Important Note: This is a commercial-free site.



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Golden Resin

Golden Resin is an extra high quality, pure mixed-bed resin specially formulated for the deionization of water in wire EDM machines. This virgin resin offers many additional hours of service life over ordinary products, and reduces downtime required for frequent resin changes. Distinctive "sparkle" and rich golden color make it instantly identifiable.

Packed in a sealed plastic barrel holding 1.1 cubic feet of Golden Resin, precise moisture content is maintained for prolonged periods. And, it's usable in *all* wire EDM machines.



Catalog No.	Description
R00030	Virgin Golden Resin 1.1 cu. ft. Barrel
R01030	Virgin Golden Resin Exchange Program

Golden Resin Exchange/Disposal Program

The spent D.I. resins from your wire EDM machine may contain a variety of heavy metals and other hazardous industrial materials. If this waste is discarded in the normal manner, it will eventually pollute the earth and water tables, on which we all depend. Changes in EPA, state and local government anti-pollution regulations indicate this will no longer be tolerated, and you may already be in violation.

Intech EDM now offers an easy-to-use exchange program that disposes of your contaminated Intech Golden Resin – *by an EPA approved source* – and the service is absolutely free. When you return a barrel of spent resin to us, you will be automatically shipped and invoiced for a new barrel of virgin Golden Resin, with no extra charge for the disposal service. Note: The Golden Resin container has a clamp-seal lid, which allows it to be returned easily and safely to us with your used resin.

Here's How the Program Works:

1. Upon acceptance of the Intech EDM Golden Resin disposal program, you will be sent an

empty Golden Resin plastic barrel, with clamp-seal lid, to begin collecting your first load of spent resin – in addition to a barrel of new Golden Resin to start your program.

2. Thereafter, you always utilize the returnable plastic barrels in which your resin was shipped. To return your spent resin, attach the return label which we supply, and ship the barrel back to us via UPS. Upon receipt of each barrel of spent resin, with a purchase order, you will automatically be shipped and invoiced for a new barrel of virgin Golden Resin.

3. The contaminated resin you return will be properly disposed of for you by an EPA approved source – *at no extra charge* – thereby complying with any EPA or regulatory requirements you may have.

By participating in the environmentally-safe Golden Resin disposal program, you will not only demonstrate to your community your cooperation in anti-pollution efforts, but will also indicate to any enforcement agencies how you are helping to do your part.

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ResinMax®

ResinMax® is a high-efficiency deionization (D.I.) resin system for supplying deionized dielectric water for wire-cut EDM machines. It is designed to replace the original D.I. bottle in your wire-cut machine.

ResinMax has a unique internal design and pneumatic agitator (patents applied for), which extends the life of a typical resin charge by at least 15 – 30%. Although not guaranteed by Intech EDM, many of our customers are reporting gains of as much as 100% or more.

Typical wire-cut machine D.I. systems experience resin compaction and channeling, which results in less than full utilization of all the resin beads and their surface area. In a process which takes only a few minutes, ResinMax allows you to periodically agitate and stir the resin bed, breaking up the channels and exposing fresh resin bead surfaces. For high-utilization machines, the resultant savings on resin replacement can be significant.



Available in two sizes – 20 Liter and 50 Liter capacity – the ResinMax system also offers a Process Water Connection Kit which includes appropriate hoses, fittings and adapters to fit almost any wire-cut machine.

A Complete Solution

ResinMax is shipped with a full charge of 100%

Specifications

Operating Pressure	Maximum 30 p.s.i.; tested to 180 psi; rupture disk rated at 580 p.s.i.
Operating Temperature	Maximum 80° C (176° F). Do not store resin at less than 0° C (32° F).
Flow	Maximum flow rate through system – 7 g.p.m. (maximum pressure drop of 2.5 – 7 p.s.i.)
Materials	Tank, main valve, and all internal tubes and parts – stainless steel; seals – Viton®; tank jacketed with CFC-free polyurethane.
Dimensions	Size 50L – 370 mm dia., 615 mm high; Size 20L – 240 mm dia., 560 mm high.
Net Capacity	Size 50L – 45 liters; Size 20L – 18 liters.
Weight	Size 50L – 106 lbs.; Size 20L – 48 lbs. (Approximate shipping weight of ResinMax tank only, with resin and without dielectric water.)
Resin	100% virgin, high-quality deionization resin.



ResinMax system configured for pneumatic agitation of the resin bed.

virgin Golden Resin. Once the resin is completely exhausted, simply ship the complete ResinMax tank to an Intech EDM authorized source. They properly dispose of the used resin, inspect the system, perform any maintenance required, refill it with 100% virgin Golden Resin, reseal the system, and return it to you with a one day turn-around (plus shipping time).

Free CD-ROM Video Disk



A free video is available on CD-ROM disk (in three video formats), which graphically illustrates the operation of the ResinMax System.

To get your free copy, simply call Customer Service, or ask your Intech EDM Sales Representative.

Catalog No.	Description
R01243	20 L. Tank only (filled with 18 liters of resin)
R01244	50 L. Tank only (filled with 45 liters of resin)
R01242	Process Water Connection Kit - all hoses, fittings and adapters required for typical installation (except R01261 below).
R01261	Agitator Air Hose with Regulator - required for resin agitation

Specifications and description subject to change without notice or prior obligation. U.S. and world-wide patents applied for.

ABA D.I. Resin Cell

ABA's D.I. Resin cells are made from tough fiberglass and feature quick-connect fittings, which make it extremely easy to exchange cells. Simply turn off the water supply, swap tanks, and turn the water on again; the whole process takes less than 5 minutes.

A variety of sizes and styles, mixed bed systems, and carbon filters are available on request.

Specifications	
Capacity	9,000 grains
Flow Range	1.5 GPM
Pressure Limit	100 p.s.i.
Shipping Wt.	50 Lbs.
Dimensions	8" Dia. x 35" Height

Specifications and description subject to change without notice or prior obligation.

Catalog No.	ABA Part No.	Description
R835IN	835	9,000 Grain Capacity Mixed Bed D.I. Resin Tank (Including Full Charge of Virgin Resin)
R835IH	—	Quick-Connect Head (see Figure 1)

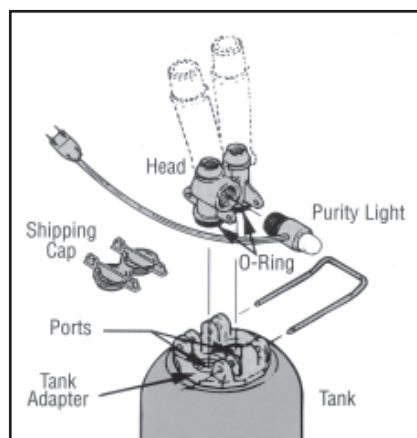


Figure 1



R835IN D.I. Cell

D.I. Resin Regeneration

Regenerating the D.I. resins from your wire-cut machine can result in significant savings. Our authorized regeneration facilities utilize a unique process which restores up to 95% of the deionizing resin's hydroxide form and regenerates up to 99% of the hydrogen form.

They can regenerate virtually any brand and grade of resin; bagged, bulk or in cells; dual bed or mixed bed. They carefully separate the components and regenerate the resins to match your application. In the process, they properly dispose of toxic by-products.

Their precision multi-stage regeneration process supplies you with strong-acid cation resins to split any water's salts, plus they regenerate strong-base anion resins, Type 1 and Type 2, to remove chlorides and sulfates.

Call us for a quotation to regenerate your D.I. system's resins.

We'll supply you with the necessary shipping forms, and you can rely on either our Minnesota or Maryland-based authorized facility to provide a quick turnaround on your regeneration order.

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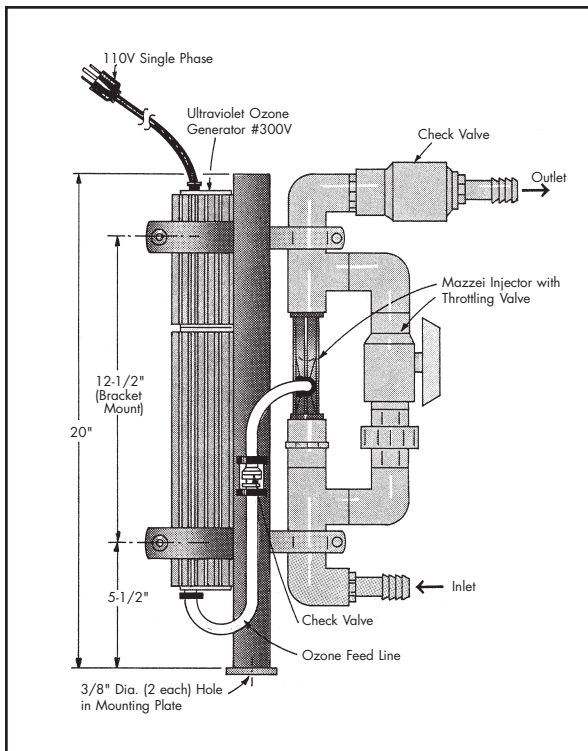
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Ebbco Ozone Generators

Ebbco has developed two systems for introducing ozone into wire-cut deionization water systems, which offer these proven benefits:

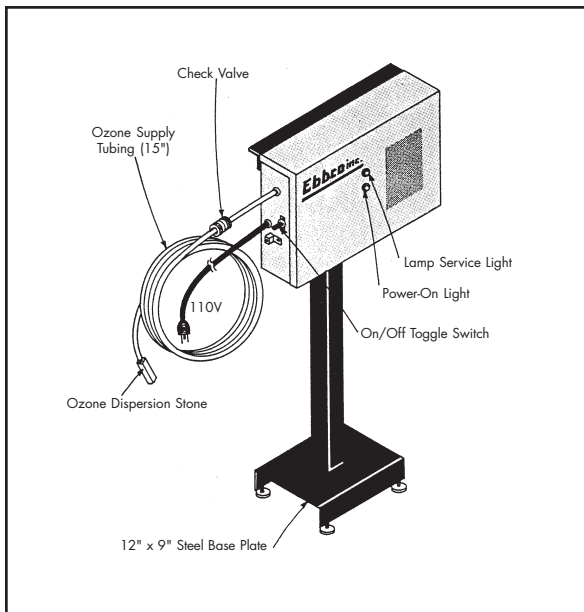
- Eliminates bacteria (slime, algae, mold, and other biological fouling agents).
- Eliminates the need for chemical water treatment.

- Minimizes corrosion and prevents scale formation.
- Extends life of filter cartridges.
- Eliminates fouling of D.I. resin beds.
- Reduces maintenance costs by running a cleaner, more efficient system.



Ozone Retrofit Kit

An ozone generator and injector system that is installed in-line in your machine's deionization water system. It features an injector with a throttling valve to control the amount of ozone injected into the water.



Ozone Generation Module

Free-standing module has a single chamber ultraviolet ozone generator to dissociate the oxygen contained in air to form ozone. Ozone enters the water through the dispersion stone; a check valve prevents water from backing up into the generator.

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Catalog No.	Ebbco No.	Description
FS7368	EDM-300V-AP-MS	Free-standing Ozone Generation Module
FS7366	EDM-300V-TVR	In-line Ozone Retrofit Kit with Injector & Throttling Valve

Ebbco D.I. Water Chiller

Ebbco's new liquid chillers are complete, state-of-the-art packages designed specifically for EDM machines. They are available as in-line chillers, utilizing the machines pumping system, or with their own internal pump.

Features:

- Suitable for water or oil dielectric systems; with or without internal pump
- Uses only R-134A refrigerant and polyester oil
- Air cooled condensing unit
- Adjustable thermostat – $\pm 2^{\circ}\text{F}$
- Systems available from 3,300 to 36,000 BTU/Hr
- Manufactured in the U.S.A.

Options:

- Digital temperature controller
- Ambient tracking control
- Dual digital/ambient tracking controller
- High temperature interlock
- Low flow interlock



Catalog No.	Ebbco Part No.	Description
FS7414	EDM-PC-3300P	Chiller with pump; capacity 3,300 BTU/Hour; 115/230 V, 1 Phase
FS7411	EDM-PC-6000P	Chiller with pump; capacity 6,000 BTU/Hour; 115/230 V, 1 Phase
FS7415	EDM-PC-8000P	Chiller with pump; capacity 8,000 BTU/Hour; 115/230 V, 1 Phase
FS7416	EDM-PC-12000P	Chiller with pump; capacity 12,000 BTU/Hour; 230 V, 1 Phase (available in 3 Phase)
FS7417	EDM-PC-18000P	Chiller with pump; capacity 18,000 BTU/Hour; 230 V, 1 Phase (available in 3 Phase)

Note: Other sizes and styles available on request.

Ebbco D.I. Vessel

Catalog No.	Description
R99015	Ebbco 1/2 cu. ft. D.I. Resin Vessel with Resin/ Pre-filter
R99014	Ebbco 1 cu. ft. D.I. Resin Vessel with Resin/ Pre-filter
R00114	Ebbco 1/2 cu. ft. Virgin Resin Bag with Pre-filter
R00127	Ebbco 1 cu. ft. Virgin Resin Bag with Pre-filter
R00129	1/2 cu. ft. Virgin Resin Bag - Fits Dayton Water System D.I. Vessel
R01914	Ebbco 1/2 cu. ft. Resin Regeneration Coupon
R01915	Dayton 1/2 cu. ft. Resin Regeneration Coupon
R01927	Ebbco 1 cu. ft. Resin Regeneration Coupon

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