

Adam Laws

From: Dave Calafiore <davec@magnatrol.com>
Sent: Tuesday, July 26, 2022 3:01 PM
To: Adam Laws
Subject: Quote and Material Compatibility information
Attachments: Quote_508082.pdf; Page 22 Magnatrol Cat 3020 K.pdf; Page 33 Magnatrol Cat 3020 Order Guidelines.pdf; Page 33 Magnatrol Cat 3020 Order Guidelines.pdf; National BIODIESEL Board Material Compatibility - 1.pdf

Adam:

Regarding the use / continued use of Magnatrol Valve F36A47-W 120/60 Hz (F36A47SC-ACBW) for B99; please review the attached Materials Compatibility data from National BIODIESEL Board for B100 which we believe to be the same material but should be confirmed by the customer.

Existing Magnatrol valve, F36A47-W, is a Bronze valve which does contain Lead and Tin in the Bronze Casting. According to the highlighted area, on the attached National BIODIESEL Board Material Compatibility sheet, Bronze Lead and Tin may accelerate the oxidation process etc. Affected equipment should be replaced with Stainless Steel....

Magnatrol would suggest our Stainless Steel Solenoid Valve F36K47SC-ACVO with VITON Disc Material or F36K47SC-ACTO with TEFLON Disc Material (see attached data sheet showing Wetted Parts and Order Guideline)

Your Quotation and data sheets are attached.

Contact our sales team if you have any questions.

Thank you.

IMPORTANT: At this time we are noticing more shipments being damaged or lost by the carrier.

ALL shipments from Magnatrol Valve Corporation are FOB Origin (Hawthorne, NJ).

FOB stands for "free on board" or "freight on board" and is a designation that is used to indicate when liability and ownership of goods is transferred from a seller to a buyer. FOB Origin (Hawthorne, NJ) indicates the buyer is responsible for goods that are damaged / or lost during shipping.

When placing your order, please advise if you wish to insure your shipment.

David J. Calafiore
Product Manager
Magnatrol Valve Corporation
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67 Fifth Ave. - PO Box 17
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Magnetrol Valve Corp.

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Email: info@magnetrol.com

Date: 7/26/2022

Your Reference:

Quote - 508082

Created by: Dave Calafiore

Email: DaveC@magnetrol.com

Valve for B100

1) F36K47SC-ACVO

[Product Web Link](#)

List: \$

Valve 2" Stainless Steel NC; 120/60

Net: \$

F36KV47-O

Qty: 1

Comments: With Viton as Main Orifice Disc/Seal

Del: 1 to 2 Weeks

2) F36K47SC-ACTO

[Product Web Link](#)

List: \$

Valve 2" Stainless Steel NC; 120/60

Net: \$

F36K47-O

Qty: 1

Comments: With TEFLON as Main Orifice Disc/Seal

Del: 1 to 2 Weeks

Terms: Net 30 Days

Quotation is valid until 8/25/2022

\$50.00 Minimum Order

Please note that if a voltage is not specified in your request, we will provide you a quote based on 120/60. If this is not correct, please notify us as soon as possible as the part number will change and this could affect pricing and delivery.

Rush Order Form

(Please indicate items to be ordered by circling them on the quote above)

PO: _____

Order Total: \$ _____

Delivery Needed by: _____

Shipping Mthd: _____

Payment: _____

Signature: _____

(Terms, Credit Card, In Advance)

Partials Not Accepted



Standard Terms and Conditions Apply.

Net Pricing includes Customer and Quantity Discounts.

Quoted deliveries are standard lead times and may be subject to change based on quantities and demand.

This Quotation was sent to:

Mid-South Steel Prods

Adam Laws

Adam@midssouthsteel.com

P:573-335-5529 F:

ORDERING GUIDELINES

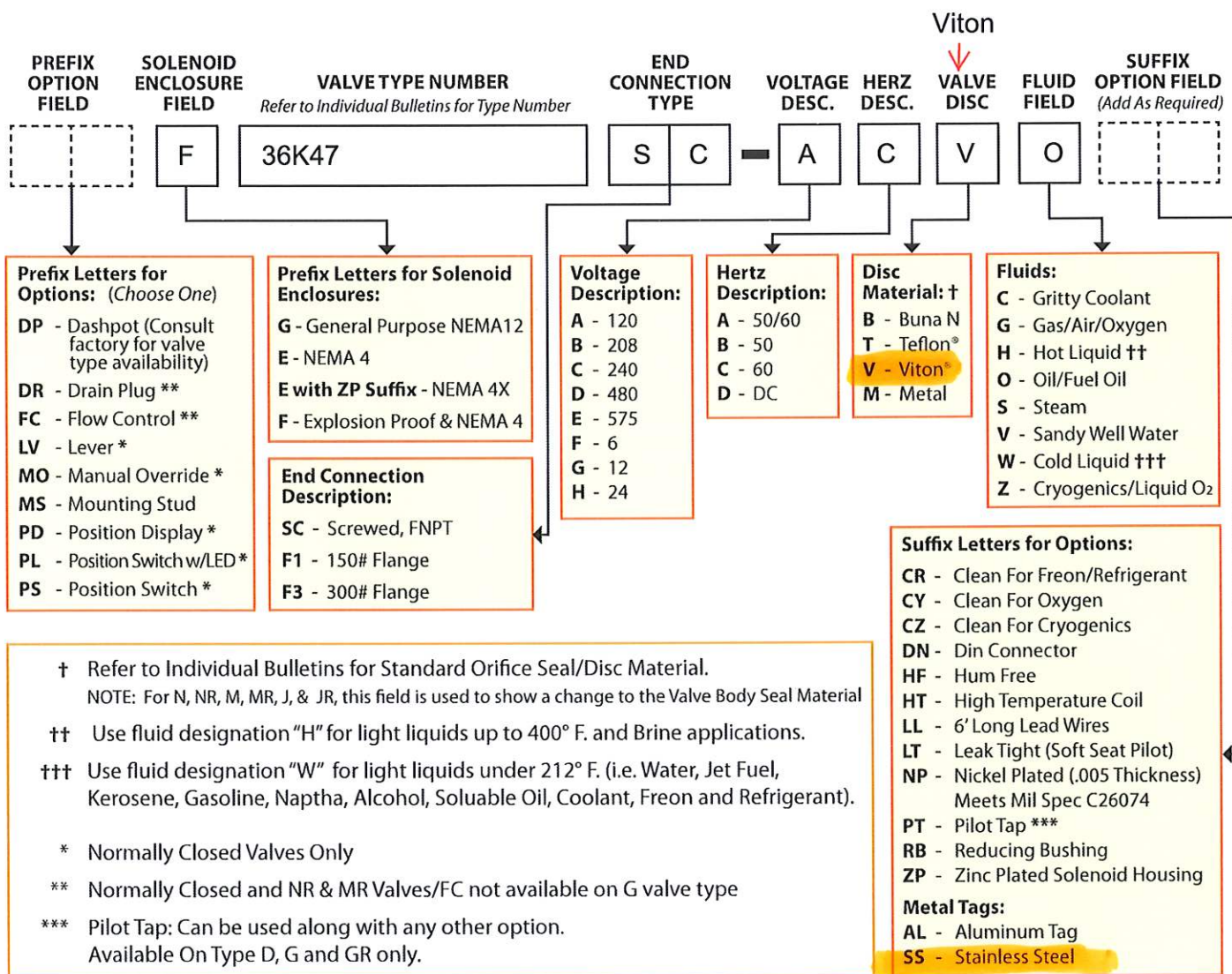


...FOR MAGNATROL SOLENOID VALVES

MAGNATROL VALVE TYPE NUMBER DETAIL

For additional information on Options – See Optional Features pages 26 & 27

If you have any questions, please call 973-427-4341, Fax 973-427-7611, or e-mail info@magnatrol.com



Consult Factory for Assistance with:

- Additional voltages
- End Connections not shown
- Fluid Field designations

B100 Material Compatibility

B100 may degrade some hoses, gaskets, seals elastomers, glues and plastics with prolonged exposure. Natural or nitrile rubber compounds, polypropylene, polyvinyl, and Tygon materials are particularly vulnerable. More testing is being done to extend this list of vulnerable materials. Most elastomers used after 1993 are compatible with B100 (Viton/Teflon). Before handling or using neat biodiesel (B100) contact the equipment vendor to determine compatibility with fatty acid methyl esters.

Teflon, Viton, and Nylon have very little reaction to biodiesel and are among the materials that can be used to update incompatible equipment. B100 suppliers and equipment vendors should be consulted to ensure the most recent findings on compatibility. For the bulk fuel handlers of biodiesel it is highly recommended to speak with your hose suppliers to source hoses that are compatible with neat biodiesel.

Most tanks designed to store diesel fuel will be adequate for storing B100. Acceptable storage tank materials include aluminum, steel, fluorinated polyethylene, fluorinated polypropylene, Teflon, and most fiberglasses.

Brass, bronze, copper, lead, tin, and zinc may accelerate the oxidation process of biodiesel creating fuel insolubles or gels and salts. Lead solders and zinc linings should be avoided, as should copper pipes, brass regulators, and copper fittings. Affected equipment should be replaced with stainless steel, carbon steel, or aluminum.

B20 Material Compatibility

Biodiesel blends of 20% or less have shown a much smaller effect on these materials. The effects are virtually non-existent in low-level blends such as B2. When handling blends of B20 or less normal monitoring of hoses and gaskets for leaks is sufficient.

Blends of B20 and lower reduce the impact of metal compatibility issues.

Materials Compatibility Studies

The following summaries on material compatibility with biodiesel (methyl Oleate) are taken from research studies and compatibility guides from several o-ring and seal manufacturers.