

Zimbra

magene@mbari.org

Re: motorized valve

From : Paul Coenen <coenen@mbari.org>

Tue, Jul 24, 2018 04:01 PM

Subject : Re: motorized valve 1 attachment**To :** Gene Massion <magene@mbari.org>**Reply To :** Paul Coenen <coenen@mbari.org>

Hey Gene,

I installed the PDM_Vault on my machine, and looked at the current parts for the motorized valve assembly. Assuming that I have the correct assembly (motorizedValveSmall.SLDASM), I've printed the drawing for the Swagelok valve (add three holes on top, and shave off pin), and for the shaft coupler (add magnet hole on side, and open up small shaft diameter).

I've also looked at the MVValveMountingPlate, and it is spec'd (and drawn) with .125 through-holes, but an 8-32 fastener needs to pass through it. I will open those holes up to allow for that. (Again... unless you know something about this that I don't see!)

Another question:

Does the current drawing of the shaft coupler for the motorized valve have the magnet hole specified correctly? My recollection was that you had to change the magnet dimensions in order to activate the valve properly. Did that change get made?

Thanks,
Paul

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From: "Paul Coenen" <coenen@mbari.org>**To:** "Gene Massion" <magene@mbari.org>**Sent:** Tuesday, July 24, 2018 12:47:12 PM**Subject:** Re: motorized valve

So I see that the valve body itself also needs to be modified... can you send me that drawing, too? Needs four 4-40 holes to mount the valve to the bottom plate.

Also... the bottom plate is made wrong. I think the solid is actually wrong... it looks like an 8-32 SCHS has to go through that plate and screw into the top plate (above the shaft

coupler), but the through-hole is only .125 in the bottom plate. I will expand those holes to allow passage of the screw. Unless you tell me that I'm missing something.

Let me know!!

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From: "Paul Coenen" <coenen@mbari.org>
To: "Gene Massion" <magene@mbari.org>
Sent: Tuesday, July 24, 2018 12:24:18 PM
Subject: motorized valve

One more thing (at least until the next...)

The motorized valve assembly is different than last time I built it. Is it just the shaft coupler that gets altered, or are there other parts? And can you send me the latest version of the shaft coupler modifications that need to be made? And, of course, any other things that might require altering...

Thanks.

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 **MVValveMountingPlate.pdf**
70 KB
