Pulsafeeder, Inc.
27101 Airport Road
Punta Gorda, FL 33982
www.pulsafeeder.com

Addendum Chem-Tech Prime Performance Degassing Pump Head Instructions

NOTE: Head is for use on 15, 24 and 30 GPD models only!!

WARNING Before performing any maintenance or repairs on chemical metering pumps, be sure to disconnect all electrical connections and insure that all pressure valves are shut off and pressure in the pump and lines has been bled off.

WARNING Always wear protective clothing, gloves and safety glasses when performing any maintenance or repairs on chemical metering pumps.

INTRODUCTION

The degassing head is designed to return a small percentage of the pumps output back into the tank through the degas valve when the pump is operating. The fluid that is being returned via the return line to the tank is part of the normal operation of the degassing head. As a result, the pumps maximum output will be reduced and its output should be verified and adjusted as necessary. Install the pump as show in figure 1 while adhering to the following installation instructions:

INSTALLING A PRIME PERFORMANCE PUMP WITH A DEGASSING HEAD

1. Connect one end of the clear PVC suction tubing to the suction valve on the bottom of the pump head.
2. Slide the other end of the suction tubing through the strainer weight and install the foot valve on the end, see figure 1.
3. Connect the discharge tubing to the discharge valve coming out of the side of the pump head.

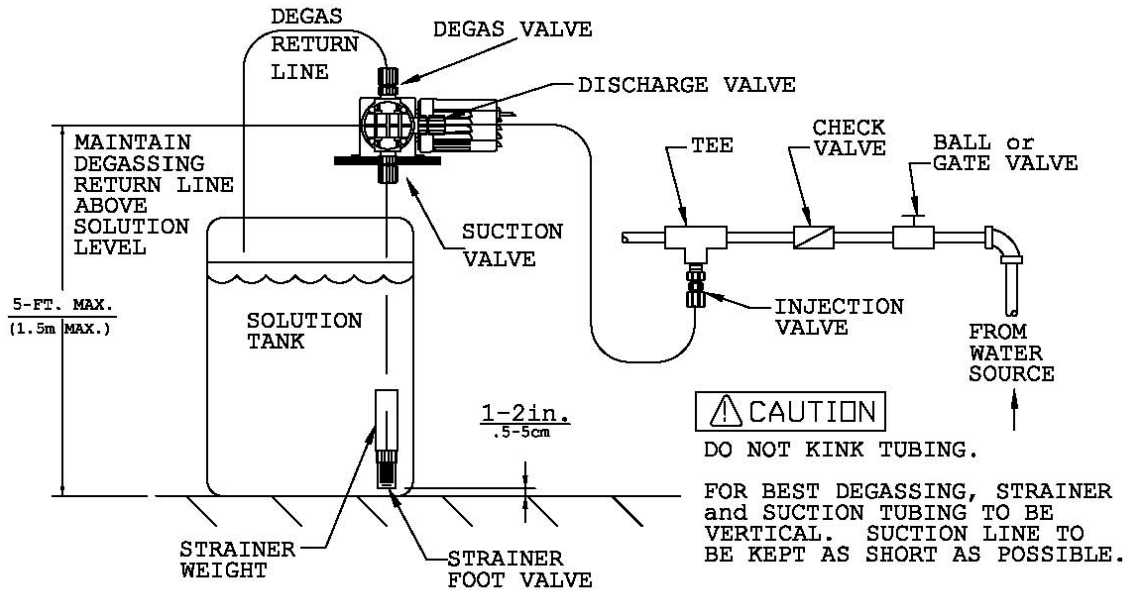

Figure 1

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4. Connect the return tubing to the degas valve on the top of the pump head.
5. Secure the other end of the degas return tubing to the top of the solution tank above the level of the chemical.

TIP: For best results, insure the strainer / tubing hangs vertically and is as short as possible with the strainer near the bottom of the solution tank but above any sediment, see figure 1.

DEGASSING HEAD, FLOODED SUCTION INSTALLATION (NOT RECOMMENDED)

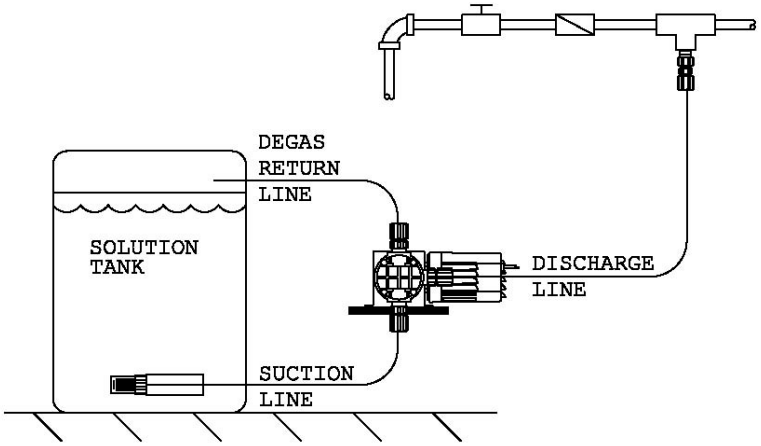

Figure 2

CONVERTING AN EXISTING PUMP TO A DEGASSING HEAD

1. Disconnect the suction, discharge and return tubing (if applicable) from the existing pump head.
2. Remove the four head screws / washers from the pump head. Remove the head assembly from the pump.
3. Place the degassing pump head assembly on the pump with the head arrow pointing up.
4. Reinstall the four head screw / washers. Tighten the screws evenly in a crisscross pattern until they are hand tight (18-22 in/lbs (8-10kg)).

NOTE: Although not included, bleed valve may still be used on discharge valve for convenient manual pressure relief and drain of discharge line.

PRIMING THE PUMP

1. Turn on the power to the pump.
2. Adjust the stroke length to 100%.
3. At this point, the pump will automatically purge the air from the pump head via the degas valve. Once the fluid starts pumping out of the discharge line, re-adjust the pump flow to the desired rate.

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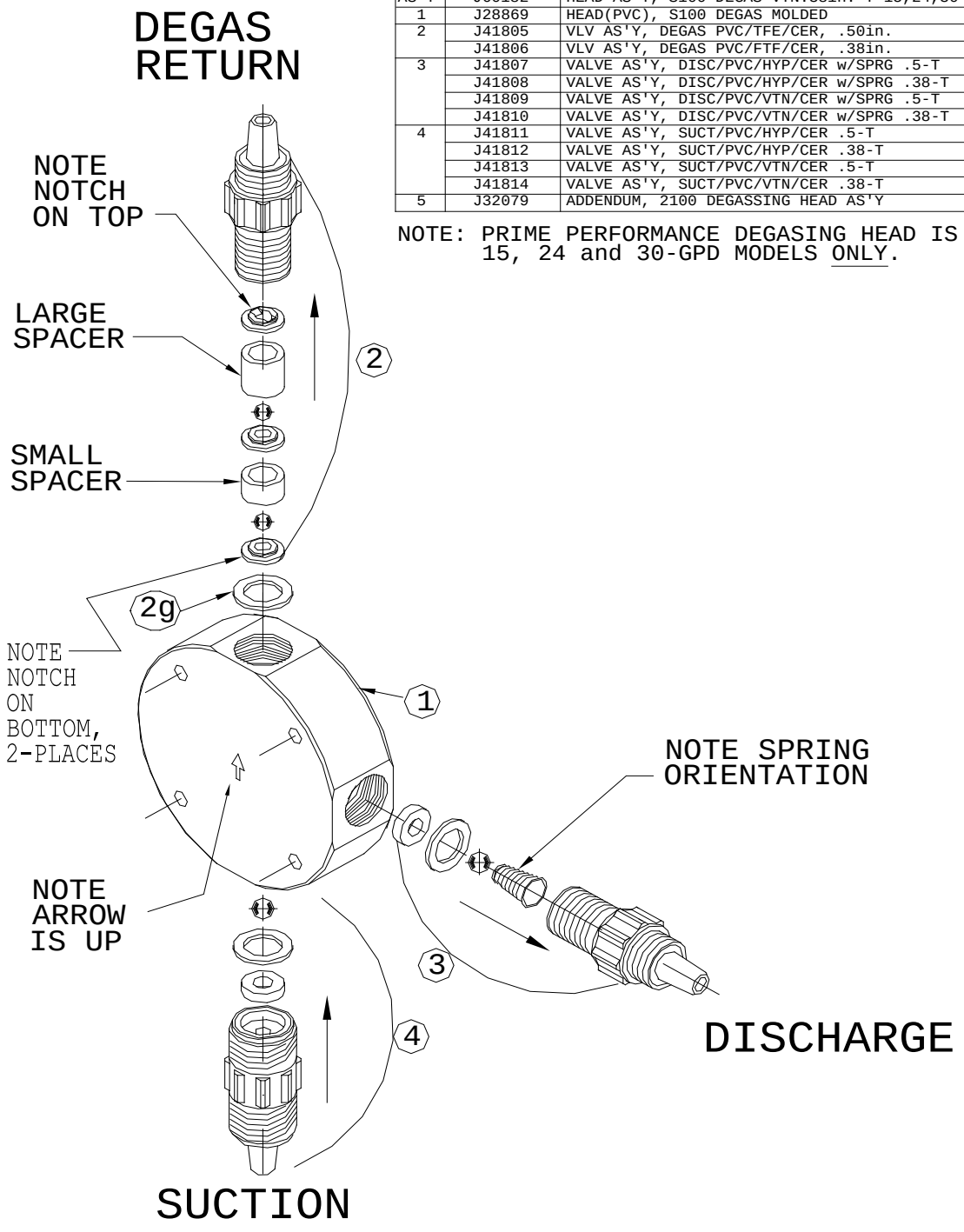
PRIME PERFORMANCE DEGASSING HEAD AS'Y

ITEM	PART #	PART DESCRIPTION	QTY	QTY	QTY	QTY
AS'Y	J60176	HEAD AS'Y, S100 DEGAS HYP.5in.-T 15,24,30	REF	-	-	-
AS'Y	J60178	HEAD AS'Y, S100 DEGAS HYP.38in.-T 15,24,30	-	REF	-	-
AS'Y	J60180	HEAD AS'Y, S100 DEGAS VTN.5in.-T 15,24,30	-	-	REF	-
AS'Y	J60182	HEAD AS'Y, S100 DEGAS VTN.38in.-T 15,24,30	-	-	-	REF
1	J28869	HEAD(PVC), S100 DEGAS MOLDED	1	1	1	1
2	J41805	VLV AS'Y, DEGAS PVC/TFE/CER, .50in.	REF	---	REF	---
	J41806	VLV AS'Y, DEGAS PVC/FTF/CER, .38in.	---	REF	---	REF
3	J41807	VALVE AS'Y, DISC/PVC/HYP/CER w/SPRG .5-T	REF	---	---	---
	J41808	VALVE AS'Y, DISC/PVC/HYP/CER w/SPRG .38-T	---	REF	---	---
	J41809	VALVE AS'Y, DISC/PVC/VTN/CER w/SPRG .5-T	---	---	REF	---
	J41810	VALVE AS'Y, DISC/PVC/VTN/CER w/SPRG .38-T	---	---	---	REF
4	J41811	VALVE AS'Y, SUCT/PVC/HYP/CER .5-T	REF	---	---	---
	J41812	VALVE AS'Y, SUCT/PVC/HYP/CER .38-T	---	REF	---	---
	J41813	VALVE AS'Y, SUCT/PVC/VTN/CER .5-T	---	---	REF	---
	J41814	VALVE AS'Y, SUCT/PVC/VTN/CER .38-T	---	---	---	REF
5	J32079	ADDENDUM, 2100 DEGASSING HEAD AS'Y	1	1	1	1

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