

2/12/2013

SECTION GN 5.21

STRAINER START UP & INSPECTION REPORT

END USER DATA: Please indicate the Company and contact for the start up of the strainer.

Company: FERMILAB	Contact: M. GEYNISMAN
Address: PO BOX 500	Telephone: 630-840-2191
City, State: BATAVIA IL 60510	

STRAINER INFORMATION:

Model	Serial Number	Element Slot Size	Motor Voltage (V/PH/HZ)
10" VWS-10-SS-NS	244442		110V

Liquid Being Handled	Contaminants present	Flow Rate (GPM)	Operating Pressure (PSIG)
WATER (POND)	some	~800 gpm	90 psig

START-UP PROCEDURE AND CHECKLIST:

A. Before Pressurizing the System:

- 1) Check that flow through the strainer will be in the proper direction.
- 2) Check backwash piping to ensure good installation practice has been followed and backwash flow will not be restricted due to excessive pipe friction or vertical lift.
- 3) Manually start the backwash sequence with the control switch. Check for proper rotation of the backwash shaft and the proper sequencing of the backwash valve.
- 4) Set the Time Delay Relay to allow for a minimum of one complete revolution of the backwash shaft.
- 5) Open petcocks on both sides of the differential pressure switch to protect the differential element from undue pressure stress. One valve should be closed and the other partially open when the system is pressurized.

B. After Pressurizing the System:

- 1) Adjust the packing gland to allow for a small leakage to lubricate the packing when the strainer is in the backwash mode.
- 2) Observe the drive shaft within the gear motor mount for leakage, at "telltale" hole on strainer sizes 7 to 40. Any leakage here requires tightening of the drive shaft stud to better seat the drive shaft gasket, at the internal coupling, between the drive shaft and the drive shaft extension. (This does not apply to strainers with a one-piece driveshaft).
- 3) If dirt load is sufficient to call for backwash, make sure the differential pressure that initiates the backwash sequence is within Adams recommended limits for the particular application. Make adjustment if necessary. It is recommended that the maximum clean pressure drop should be no more than 2 PSI. The set point for backwash should be a minimum of 2 PSI but not more than 3 PSI above the clean pressure drop.
- 4) Instruct operators on shear key replacement.
- 5) Provide maintenance video to the customer.

Comments regarding the start-up: **NEED TO VERIFY WITH ELAM INC (DAVID Kohfeld): - programming hourly vs dP - verify operations in place.**

Representative was or was not present for the customer startup. The representative assumes responsibility for ensuring that the customer has satisfactorily started this strainer up. If not present during startup, then the representative will assist the customer on future service calls. By signing this document, you attest that the information stated is true and accurate to the best of your knowledge.

Representative Signature _____ Startup Date: _____

R. P. ADAMS COMPANY, INC.
BUFFALO, NEW YORK

GN-0016
Date: 2/12/13

SUPERCEDES SM-9823 6/24/99