

MARKETING INFORMATION

CHEMFEED LIMITED

PRIORY WORKS, TONBRIDGE, KENT, TN11 0QL, ENGLAND

No: MI 060404.GE

Date: 6th April, 2004

SUBJECT: ChemTrim / V600 Frequently Asked Questions (FAQ's)

I am grateful to Mike Brooks for compiling the attached list of FAQ's that he receives concerning the Wallace & Tiernan V600 and ChemTrim Controllers.

It contains some very useful information.

1. Is the SCU still required to drive dosing pumps with stroke and speed control ?

No. The V600 and ChemTrim controllers provide stroke and speed output signals without the need for additional hardware.

2. Can the ChemTrim / V600 operate with V500 series positioners.

Yes. However, the vacuum switch must be replaced with a normally closed type and there are a few minor changes required on the positioner PCB. The following external connection drawings give details:

XAC1234	ChemTrim Plastic Enclosure
XAC1233	ChemTrim Steel Enclosure
XAC1236	V600 DIU Plastic Enclosure
XAC1237	V600 DIU Steel Enclosure
XAC1235	V600 with DIU

3. Can the V600 provide machine running contacts for telemetry ?

Relay 2 may be set to indicate machine 1 running, and Relay 3 may be set to indicate machine 2 running.

4. Can the V600 control vacuum locking for long vacuum lines ?

This requires two On/Off relay contacts for each dosing machine to control the two valves needed to lock the vacuum line, there are several ways to achieve this:

- Use the normal machine On/Off contact to control one valve, and use additional contacts in that valve to slave the second valve from the first.

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- Set Relays 2 & 3 in the controller to indicate machine 1 running and machine 2 running. These additional machine On/Off contacts may be used for valve control.
- If booster pump control is not required, enable booster pumps at the Controller or DIU, but do not enable booster pump changeover. The booster pump contacts will then operate as additional On/Off contacts.

5. Does the V600 provide mA outputs for the plug position of each machine ?

The V600 can be configured to indicate Control Output on any of the mA outputs. When Control Output is selected as a mA output function, 100% output (20mA) indicates both machines running at 100% capacity.

The V600 cannot indicate machine 1 and machine 2 positions on 2 separate mA outputs.

6. Can the ChemTrim / V600 operate with the V800 chlorinator ?

In principle there should be no problem operating with the V800 chlorinator, as it is based on the same control board as the V500. Refer to the V500 connection diagrams for details. Please note that we have not actually tested a V800 chlorinator with the ChemTrim / V600 yet.

7. Is an external trip amplifier required for low flow shutdown?

Both the ChemTrim and V600 allow the operator to set a low flow shutdown point, so no external hardware is required.

8. Can the V600 control one machine dosing Cl₂ and one machine dosing SO₂ ?

The dosing machines connected to the V600 must always be the same type and capacity, and must dose the same chemical.

D.Bourne

2/4/04

MARKETING DEPARTMENT

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