

RECYCLER STOCHASTIC COOLING TANK MOTION CONTROL

The recycler stochastic cooling system requires the use of pickup tanks and kicker tanks that can be moved in either the horizontal or vertical plane. These tanks are listed below.

Only one tank at a time can be moved. A tank will be turned off automatically if another is energized and it will also de-energize after a 10 minute time-out. The motion of a tank will stop if a motion limit is reached. The horizontal motion of a tank has an inner and an outer limit (indicated by either an I or an O in the digital field) and the vertical motion of a tank has an upper and a lower limit (indicated by either a U or an L in the digital field). If a tank reaches a limit it can be moved off the limit by commanding the tank to move in the opposite direction.

A tank is moved by typing the number of desired steps followed by the letter S into the setting field (i.e. <450S> for one direction or <-450S> for the opposite direction). The tank can also be moved by placing the cursor of the parameter page over the setting field and using the knob function on the console keyboard.

The step calibration is:

vertical plane 450S = 1 millimeter
horizontal plane 225S = 1 millimeter

Pickup tanks (MI-21):

R:H1PUHM	Pickup Tank 003 Horiz.	<	>	A/D readback	mm	* ..
R:H1PUVM	Pickup Tank 003 Vert.	<	>	A/D readback	mm	* ..
R:H2PUHM	Pickup Tank 002 Horiz.	<	>	A/D readback	mm	* ..
R:H2PUVM	Pickup Tank 002 Vert.	<	>	A/D readback	mm	* ..
R:H4PUHM	Pickup Tank 001 Horiz.	<	>	A/D readback	mm	* ..
R:H4PUVM	Pickup Tank 001 Vert.	<	>	A/D readback	mm	* ..
R:V1PUHM	Pickup Tank 006 Horiz.	<	>	A/D readback	mm	* ..
R:V1PUVM	Pickup Tank 006 Vert.	<	>	A/D readback	mm	* ..
R:V2PUHM	Pickup Tank 005 Horiz.	<	>	A/D readback	mm	* ..
R:V2PUVM	Pickup Tank 005 Vert.	<	>	A/D readback	mm	* ..
R:V4PUHM	Pickup Tank 004 Horiz.	<	>	A/D readback	mm	* ..
R:V4PUVM	Pickup Tank 005 Vert.	<	>	A/D readback	mm	* ..

Kicker tanks (MI-11):

R:V1KHM	Kicker Tank 009 Horiz.	<	>	A/D readback	mm	* ..
R:V1KVM	Kicker Tank 009 Vert.	<	>	A/D readback	mm	* ..
R:V2KHM	Kicker Tank 008 Horiz.	<	>	A/D readback	mm	* ..
R:V2KVM	Kicker Tank 008 Vert.	<	>	A/D readback	mm	* ..
R:V4KHM	Kicker Tank 007 Horiz.	<	>	A/D readback	mm	* ..
R:V4KVM	Kicker Tank 007 Vert.	<	>	A/D readback	mm	* ..
R:H1KHM	Kicker Tank 012 Horiz.	<	>	A/D readback	mm	* ..
R:H1KVM	Kicker Tank 012 Vert.	<	>	A/D readback	mm	* ..
R:H2KHM	Kicker Tank 011 Horiz.	<	>	A/D readback	mm	* ..
R:H2KVM	Kicker Tank 011 Vert.	<	>	A/D readback	mm	* ..
R:H4KHM	Kicker Tank 010 Horiz.	<	>	A/D readback	mm	* ..
R:H4KVM	Kicker Tank 011 Vert.	<	>	A/D readback	mm	* ..