



CAST ALUMINUM
Solutions

SENSEMASTER LTD

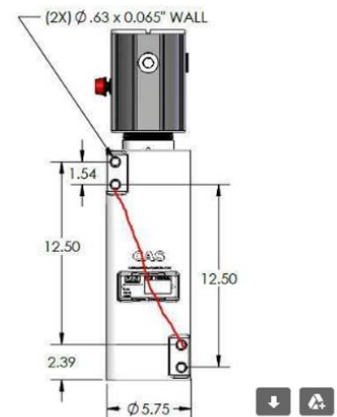
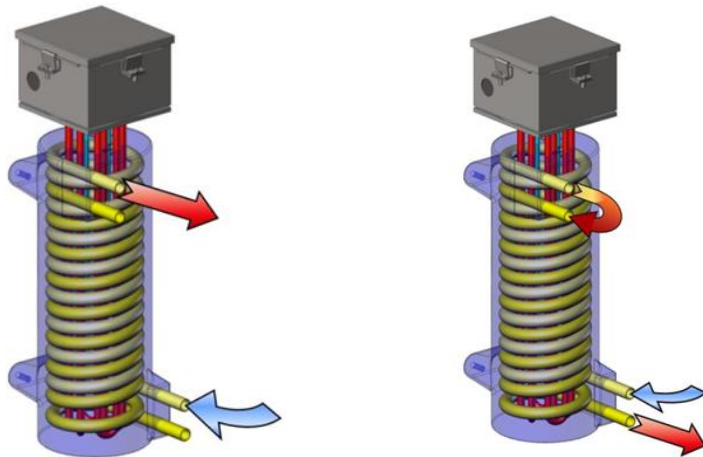
Sensing, Heating & Anti-static Solutions

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Single Tube Flow: The CAST-X 3000 comes standard with 2 tubes. It can be ordered with just a single tube, if a customer wishes, but it is a little more money. It does not hurt a dual tube heater to be run in single tube mode, with the second tube remaining dry....this is fine....doesn't harm the dry tube or anything else. Plus, then, you have that second tube available, should you need it to run a second fluid, or if the first tube gets dirty.

Dual Tube "Parallel" Flow: This is for high flowrate applications, where you are trying to avoid the pressure drop that might be encountered if you tried to push a super-high flowrate through one single tube. Some people call this a "split flow" configuration. CAS does not supply the "Y" type fittings that would be required for this, but many customers either fabricate their own, or have a supplier do it.

Dual Tube "Series" Flow: This is where you run your fluid through Tube #1, and then through Tube #2. There are a couple of ways to do this. You can use a "U-Turn" type connection to connect the 2 tubes. Or you can use a "crossing" type fitting, which is something that CAS has recently started to offer. See below drawing for a CAST-X 2500 (similar to a CAST-X 3000): please note the red line: this would be a short bit of same diameter tubing that would connect the outlet of one flow-tube with the inlet to the second flow-tube. This type of little rig can be constructed using 2 x 90° degree elbow pieces (Swagelok, part # SS-1210-9.... see below image) + a small piece of flow-tube pipe.



Swagelok SS-1210-9



Please liaise with Sensemaster technical mail@sensemaster.co.uk 01291 422022 for further assistance

Further product information can be found on our website link <https://sensemaster.co.uk/cast-x-2/>

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