



SENSEMASTER LTD

Sensing, Heating & Anti-static Solutions

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Application considerations:

If possible email all information to mail@sensemaster.co.uk with additional pictures/sketches and description of the application process.

1/ If you are replacing an existing Cast X circulation heater please provide Sensemaster with the full part code that is on the original heater.

2/ If you do not have a Cast X heater or part number, and are looking for an alternative, or configured product for an application please supply as much information as possible.

Consider:

2a/ what is the media that is being heated?

Volume of Fluid (gal) =
Circ Heater Watts (W) =

Typical specification data would be:

Custom Properties	
Density, rho =	kg/m ³
Dyn. Viscosity, mu =	cSt
Specific Heat, cp =	kJ/(kg*°C)
Thermal Cond, k =	W/(m*K)
Heat of Vaporization, Hv =	kJ/kg

2b/ is the application a single pass or re-circulating system?

2c/ if re-circulating what is the total volume to be heated?

2d/ if re-circulating what time frame is available to heat the total volume?

2e/ what is the flow rate?

2f/ what is the Input pressure to the heater?

2g/ what will the Input temperature be?

2h/ what is the desired output target temperature?

2i/ what power supply is available?

2j/ is there enough space in your system to house a CAST X unit, see online information for dimensions?

<https://sensemaster.co.uk/wp-content/uploads/2020/04/Cast-X-dimensional-overview.pdf>

Please liaise with Sensemaster technical mail@sensemaster.co.uk 01291 422022 for assistance in selecting your heater.

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