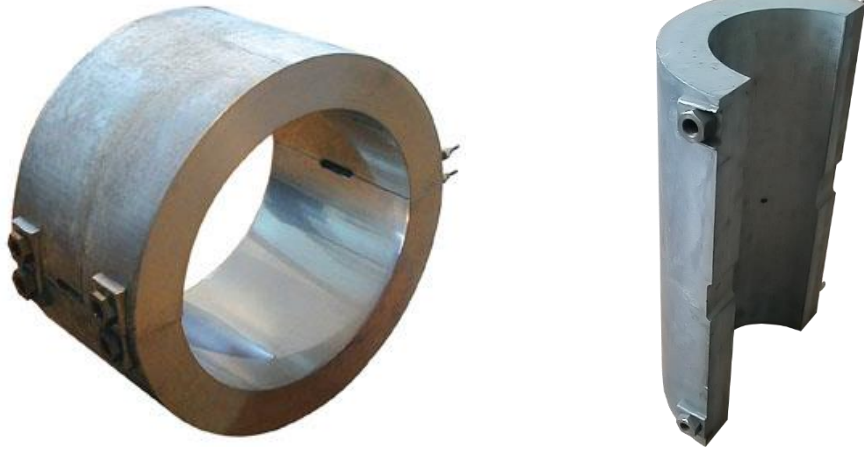


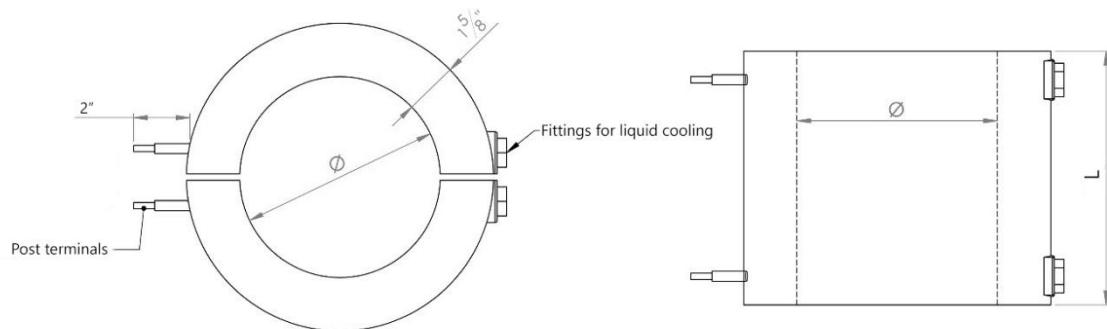


Aluminum Cast-in Heaters



Specifications:

- AlSi12 aluminum alloy
- MgO insulated heating elements
- 1500V Dielectric strength
- 120V, 230V, 380V, 420V, 480V options
- Optional cooling tubes for liquid cooling
- Stainless steel tube & fittings for liquid cooling
- Up to **450°C (840°F)** operation Temperature

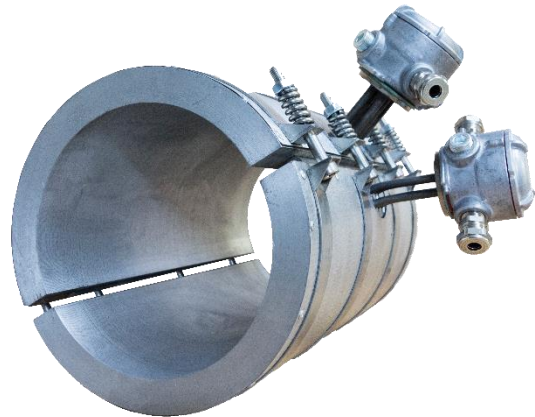
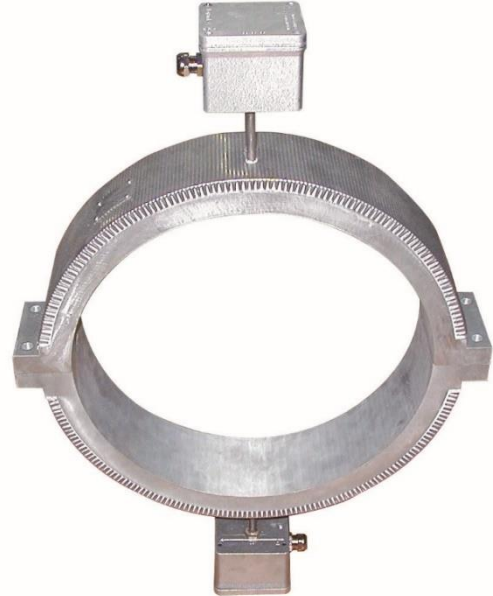


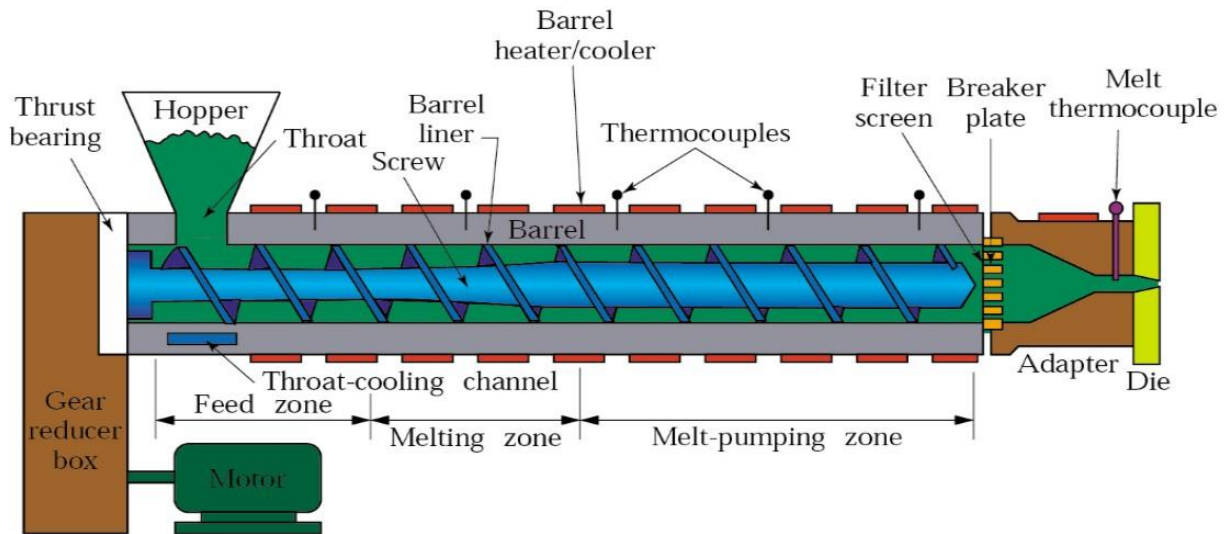


Advantages

When compared with conventional band heaters:

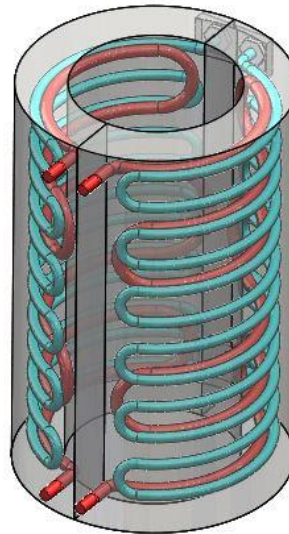
- Because of its high rate of heat transfer, once the aluminum cast heats up it transfers the heat to the machine homogenously
- Cast-in heaters are massive and solid, thus when it has reached the desired temperature, it keeps the heat, even if it is powered down.
- Because of the mass of the cast-in heaters, on/off intervals are much longer than conventional heaters, which makes the cast-in heaters energy saving. This also extends the life of the heating elements significantly.
- Stainless steel tubes can be embedded into the cast-in heaters for liquid-cooling as an option, which is much better and efficient than air-cooling
- With the combination of heating & cooling, it is possible to keep the temperature with high precision.
- Optional Ex-proof termination boxes and ex-proof cable glands





Especially in plastic extrusion machines;

- Conventional band heaters are being replaced by liquid-cooled aluminum cast-in heaters
- Machine itself also generates heat after some time, due to the friction of the screw, which may cause overheating. Even if the heaters are not working, it may be difficult to get the temperature down to the desired level. In that case water-cooling will help to reduce the heat on the machine barrel.
- Air-cooling method is an inferior method in most situations.





Aluminum Cast-in Plate Heaters

- The cast-in heating plates and heating bands consist of one or several electrical resistances embedded in a block of aluminum providing excellent thermal conductivity.
- Cast-in heating elements are ideal for applications requiring homogeneous indirect heat. They consist of one or several electrical resistances embedded in a block of aluminum providing excellent thermal conductivity
- Cast-in plate heaters can also be manufactured with embedded stainless-steel tubes for liquid cooling

