



EH series of filter housing heaters are composed of a stainless steel respirator, thermal insulation jacket, and temperature control cabinet, to prevent condensed water from being formed within a sterile vent filter and affect exhaustion. EH series heaters are designed to meet GMP requirements and are widely used in biological products, pharmaceuticals, fermentation, and other water industries for injection systems, filtration and purification processes, and tanks and containers of respirators.

## Features

- Effectively prevent condensation
- Advanced electric heating technology
- Safe and reliable to use, the temperature can be adjusted to 0-150°C, built-in overtemperature alarm
- Positioned as needed stainless steel control boxes, not limited to the specific location of the respirator or container
- Meet the requirements of GMP
- Silicone insulation inside-Safe to touch

## Applications

- For the connection between the sterile vent port and process filter housing
- Biologicals, Pharmacy, Fermentation, WFI system, Product Recovery, Filtration and Purification Processes

## Performance

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Rated Voltage:           | 220V                                                     |
| Withstand Voltage:       | 1.5kv                                                    |
| Insulation Resistance:   | >5MΩ                                                     |
| Insulating Material:     | Silicone                                                 |
| Ambient Range:           | -60°C — +250°C                                           |
| Adjustment Range:        | 0-150°C                                                  |
| Thermostat Display Mode: | Heating Temperature-Red LED<br>Set Temperature-Green LED |

## Specifications

### Surface Finish

|                            |                                              |
|----------------------------|----------------------------------------------|
| Finish Processing Options: | Electropolished,<br>Mech. Polished           |
| Polish Quality:            | Internal: Ra ≤ 0.3μm<br>External: Ra ≤ 0.4μm |

### Materials

|                 |                     |
|-----------------|---------------------|
| Shell Options:  | 304, 316L           |
| Tri-Clamp:      | 304                 |
| Seal Materials: | Silicone, EPDM, FKM |

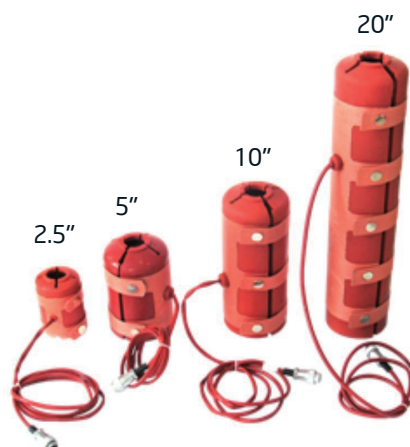
### Operating Conditions

|                             |                               |
|-----------------------------|-------------------------------|
| Design Pressure Options:    | 0.6Mpa(6bar)<br>1.0Mpa(10bar) |
| Max. Operating Temperature: | 100°C                         |

### Connection

|                   |                     |
|-------------------|---------------------|
| Shell Connection: | Tri-clamp           |
| Inlet, Outlet:    | Tri-clamp or Flange |

## Dimensions (mm)



## Ordering Information

eg: EHQJ0105T20SEEXM

| EH                                                                   | Q          | J              | 01           | 05         | T20             | S             |
|----------------------------------------------------------------------|------------|----------------|--------------|------------|-----------------|---------------|
| Series                                                               | Connection | Shell Material | Number Round | Length     | Inlet & Outlet  | Seal Material |
| EH = Sanitary electric heating and insulation<br>Sanitary respirator | Q = 226    | J = 304        | 01=1         | 2.5 = 2.5" | T20=TC 3/4"     | S=Silicone    |
|                                                                      | P = 222    | K = 316L       |              | 05 = 5"    | T25=TC 1"       | E=EPDM        |
|                                                                      | F = DOE    |                |              | 10 = 10"   | T32=TC 1.25"    | V=FKM         |
|                                                                      |            |                |              | 20 = 20"   | T40=TC 1.5"     |               |
|                                                                      |            |                |              |            | T50=TC 2"       |               |
|                                                                      |            |                |              |            | F20=Flange DN20 |               |
|                                                                      |            |                |              |            | F25=Flange DN25 |               |
|                                                                      |            |                |              |            | F32=Flange DN32 |               |
|                                                                      |            |                |              |            | F40=Flange DN40 |               |
|                                                                      |            |                |              |            | F50=Flange DN50 |               |
|                                                                      |            |                |              |            | ...             |               |

| E                         | E                         | X               | M                      |
|---------------------------|---------------------------|-----------------|------------------------|
| Surface Finish (internal) | Surface Finish (external) | Design Pressure | Flow Direction         |
| E=Electropolished         | E=Electropolished         | X=0.6MPa        | M = From top to bottom |
| M=Mech. Polished          | M=Mech. Polished          | Y=1.0MPa        | N = From left to right |
| P=Passivated              |                           |                 |                        |

CUSTOMIZED REQUIREMENTS: Housings can be customized to meet the specific needs of the process and installation. Contact us for assistance.

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

