

## Cabinet heater

Designed for wafer fabs and OEMs, the esPRO® Cabinet Heater delivers ultra-clean, high-performance heating for deionized water (DI-Water). Featuring a fully PFA flow path, this heater minimizes particle entrapment, ensuring contamination-free operation. Our turnkey system integrates multiple heating modules with advanced temperature control, maintaining process integrity while optimizing efficiency. Whether for facility-wide fluid heating or precise Point-of-Use applications, esPRO® Cabinet Heaters provide the reliability and performance your critical processes demand.



ULTRAPURE PVDF/PFA WETTED SURFACES

WALL MOUNTED, WITH A SMALL FOOTPRINT

PLUG-AND-PLAY SYSTEM WITH COMPLETE  
INTEGRATION OF CONTROLS

NO N<sub>2</sub> PURGE REQUIRED

FLEXIBLE DESIGN OFFERING A VARIETY OF  
POWER REQUIREMENTS AND OPTIONS

EXCELLENT TEMPERATURE STABILITY

### Flexible and custom configurations

In addition to our standard configurations, the esPRO® Cabinet heaters are also available in custom builds. Just contact us at [sales@esproflow.com](mailto:sales@esproflow.com) and we will happily work together with you to create the perfect heater to meet your requirements

### Key features

- Up to 200 kW power
- Max. 95°C heating capability
- Ultrapure PVDF/PFA wetted surfaces
- Smallest footprint for high power applications
- Easy maintenance with low weight heating elements
- High flow ready (100+ lpm) with 1" connections
- < 5 psi pressure loss at any flow rate
- Temperature control according to flow
- Direct heating for highest efficiency
- Heater activation triggered by flow
- Platinum tipped safety ground wire
- Liquid overtemp and heat wire overtemp detection
- CE, Semi S2 & S3 compliant
- Engineered and made in Germany

### SPECIFICATIONS

|                      |                                 |
|----------------------|---------------------------------|
| Wetted surfaces      | PVDF/PFA                        |
| Sizes                | 40 - 200 kW (voltage dependent) |
| Voltages             | 380 - 480 VAC, 3-ph             |
| Temperature          | 95° C (203° F)                  |
| Temperature accuracy | +/- 0.1° C (usage dependent)    |
| Flow                 | 0.5 - 32 GPM (1.9 - 122 LPM)    |
| Pressure             | 6 bar @ 95°C                    |
| Efficiency           | >99 %                           |

### Technical drawings

