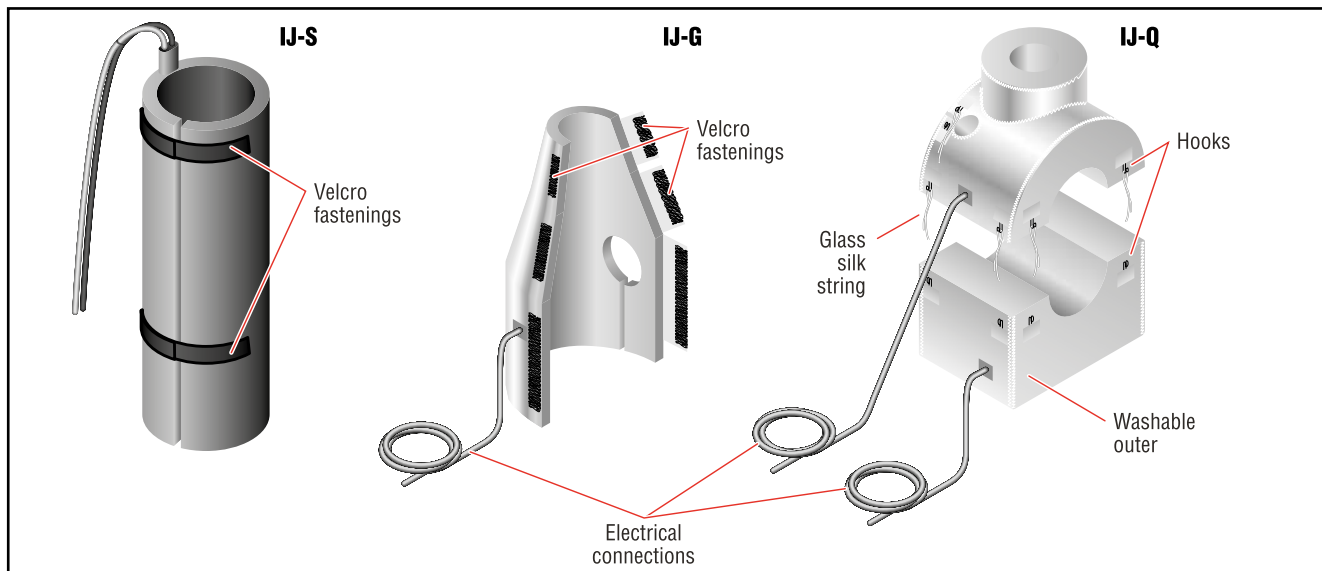


Heating jackets

In our jacket heaters there are three components: a heater, the insulation for that heater, and the carrier for that assembly. The outer carriers on these

versions may be washable. Different shapes are manufactured to customer requirements and many attachment and fixing methods are available. A small

number of jacket versions are available with hazardous area approval.



| | IJ-S | IJ-G | IJ-Q |
|---|---|---|-----------------------------|
| Area Specifications | | | |
| Area classification | Nonhazardous, ordinary area | Nonhazardous, ordinary area | Nonhazardous, ordinary area |
| Ingress protection | IP65 | IP20 | IP20 |
| Electrical protection class | Class II; Class I with metal sheath | See note | See note |
| Maximum withstand temperature (power off) | 200°C | 450°C | 900°C |
| Note: These are components for further installation. The protective arrangements of Protection Class I or Class II must be followed during installation of the components and are the responsibility of the assembly company. Please refer to the manual for further information. | | | |
| Heater Construction | | | |
| Type | Resistance heating cable | Resistance heating cable | Resistance heating cable |
| Material | Various alloys | Various alloys | Various alloys |
| Material of insulation | Depending on design | Depending on design | Quartz-glass |
| Material of outer sheath | Silicone | Glass-silk with PTFE, Silicone or Aluminium coating | Quartz-glass |
| Thickness of thermal insulation | 6 to 12 mm | 10 to 100 mm | 10 to 100 mm |
| Temperature Control | | | |
| Sensor type | PT100, Fe-CuNi/J or NiCr-Ni/K acc. to DIN | PT100, Fe-CuNi/J or NiCr-Ni/K acc. to DIN | NiCr-Ni Type K |
| Technical Data | | | |
| Frequency | 50-60 Hz | 50-60 Hz | 50-60 Hz |
| Maximum operating voltage | 400 Vac | 240 Vac | 240 Vac |
| Maximum area load | 0.7 W/cm ² | 1.5 W/cm ² | 3.6 W/cm ² |

5. HEATING JACKETS

