

CSR System

Cable Straightening & Relaxation System

A faster, safer and more reliable way to prepare your high-voltage cables.

Hemi Heating, in collaboration with leading HV and EHV cable manufacturers, has developed a flexible, energy-efficient and highly effective heating system for straightening and relaxing high-voltage cables. The CSR System ensures fast, safe and uniform heating up to 100°C, controlled via a digital PID temperature unit with adjustable setpoint and ramp-time functionality. This energy-efficient performance makes the CSR System an ideal solution for both field work and industrial cable preparation environments.

- ▶ **Quick installation** - lightweight, easy to handle, and fast to set up.
- ▶ **Robust industrial design** - engineered for long-term professional use.
- ▶ **Modular flexibility** - covers cable diameters from Ø70 to Ø190 mm through expandable heating sections.
- ▶ **Uniform heating** - consistent heat distribution across the full jacket length.
- ▶ **Energy-efficient design** - optimized to deliver effective heating with minimal energy use, lowering operational costs.



Technical Specifications


Operating Voltage	220-240 VAC / 110-120 VAC
Cable Diameter Range	Ø70-190 mm (other dimensions available on request)
Lengths	1500 & 2000mm (other lengths available on request)
Temperature control	Adjustable setpoint with PID and ramp-time control
Overtemperature Switch	110°C built-in switch
Insulation Thickness	25 mm
Cables*	5 m power supply, 5 m control cable to heating jacket
RCD*	30 mA, Type A
IP Rating	IP44

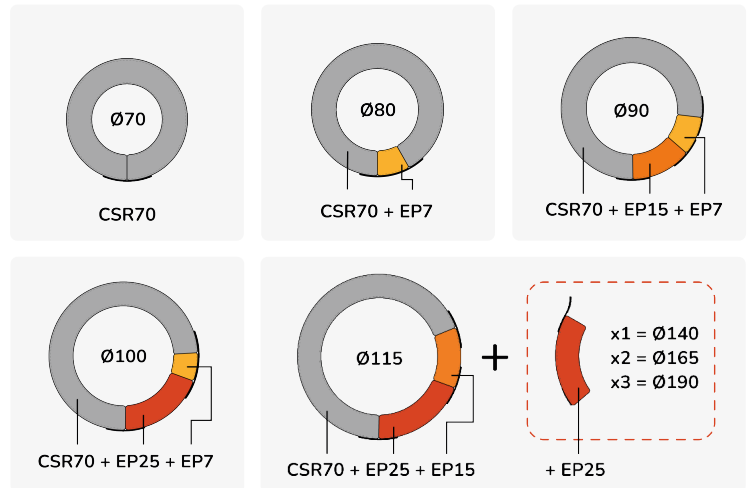
* Specifications may vary by market.

System Components

The CSR 70–115 set consists of the main heating jacket (CSR70) and three modular extensions: EP25, EP15, and EP7. These can be combined in configurations to accommodate Ø70-Ø115 mm cables.

To reach larger cable sizes, the system can be expanded with up to three additional EP25 extension pieces (sold separately), extending the range to Ø140-Ø190 mm.

 **Customizable** - Other dimensions available on request.



Example of diameter configurations using modular extension parts.

Components functions

Components included in CSR 70-115 set:

CSR70	Main heating jacket
EP25*	Ø25 mm modular heating extension piece
EP15	Ø15 mm modular heating extension piece
EP7	Ø7 mm insulation extension piece
PID Controller	Digital PID temperature control with ramp-time function.
Power & Control Cables	Extensions for flexible field operation
Transport Case & Bag	Safe storage and easy transport
Straightening Profile (optional)	Aluminum profile set for optimal cable straightening

*Additional EP25 modules can be purchased to reach Ø140-190

Articles

Article nr.	Item		Operating Voltage	Cable Ø (mm)	Length (mm)
CSR000001	CSR 70-115/1500-230	Single set	220-240 VAC	70-115	1500
CSR000003	CSR 70-115/1500-230	Double set	220-240 VAC	70-115	1500
CSR000002	CSR 70-115/2000-230	Single set	220-240 VAC	70-115	2000
CSR000004	CSR 70-115/2000-230	Double set	220-240 VAC	70-115	2000
CSR000005	CSR 70-115/1500-110	Single set	110-120 VAC	70-115	1500
CSR000007	CSR 70-115/1500-110	Double set	110-120 VAC	70-115	1500
CSR000006	CSR 70-115/2000-110	Single set	110-120 VAC	70-115	2000
CSR000008	CSR 70-115/2000-110	Double set	110-120 VAC	70-115	2000
CSR000001-2	CSR EP25-1500-230	Extension piece	220-240 VAC	+25	1500
CSR000002-2	CSR EP25-2000-230	Extension piece	220-240 VAC	+25	2000
CSR000005-2	CSR EP25-1500-115	Extension piece	110-120 VAC	+25	1500
CSR000006-2	CSR EP25-2000-115	Extension piece	110-120 VAC	+25	2000
CSR000010	Aluminum profile	incl. ratchet straps & transportation bag			2000