

CSR System

Cable Straightening & Relaxation System

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

Product Overview

Hemi Heating, in collaboration with leading HV and EHV cable manufacturers, has developed a flexible and highly efficient 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 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.
-  **Customizable** - available in multiple lengths, voltages and diameter ranges.



Technical Specifications

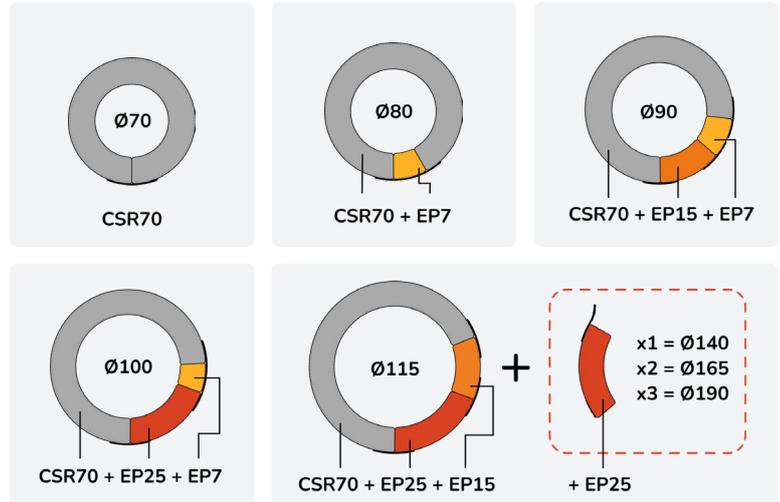
Operating Voltage	220-240 VAC or 110-120 VAC
Cable Diameter Range	Ø70-190 mm (other dimensions available on request)
Standard Heating Temperature	95°C (adjustable setpoint with PID and ramp-time control)
Overtemperature Switch	110°C built-in switch
Insulation Thickness	25 mm
Cables	5 m power supply, 5 m control cable to heating jacket
RCD	30 mA, Type A
IP Rating	IP44

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 predefined configurations to accommodate Ø70, Ø80, Ø90, Ø100 and Ø115 mm cables.

To reach larger cable sizes, the system can be expanded with up to three additional EP25 modules (sold separately), extending the range to Ø140, Ø165 and Ø190 mm.

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



Possible diameter configurations.

Components functions

Components included in CSR 70-115 set:

CSR70	Main heating jacket
EP25*	Ø25 mm modular heating extension
EP15	Ø15 mm modular heating extension
EP7	Ø7 mm insulation extension
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)	Mechanical guide for optimal cable straightening

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

Articles

Item	Operating Voltage	Cable Ø (mm)	Length (mm)
CSR 70-115 - Single Sets			
Single set CSR 70-115/1-1500-230	220-240 VAC	70-115	1500 mm
Single set CSR 70-115/1-2000-230	220-240 VAC	70-115	2000 mm
Single set CSR 70-115/1-1500-115	110-120 VAC	70-115	1500 mm
CSR 70-115 - Double Sets			
Double set CSR 70-115/2-1500-115	110-120 VAC	70-115	1500 mm
Double set CSR 70-115/2-1500-230	220-240 VAC	70-115	1500 mm
Double set CSR 70-115/2-2000-230	220-240 VAC	70-115	2000 mm
CSR EP25 - Extension Pieces			
Extension CSR EP25-2000-230	220-240 VAC	+25	2000 mm
Extension CSR EP25-1500-115	110-120 VAC	+25	1500 mm
Extension CSR EP25-1500-230	220-240 VAC	+25	1500 mm
Straightening Aluminium Profile			
CSR SP2000			2000 mm