Installation Guide CSS2 SuperStop
End cap to seal pre-insulated pipe ends - Double outlets

Product Description
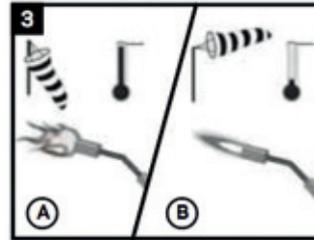
1

The CSS2 is shipped in cartons. The adhesive is protected from contamination by an inner liner.

Equipment List

2

Propane tank, hose, torch & regulator; Wire brush, grater, triangular scraper; Knife, roller, rags & ethanol (min. 99%) cleanser; Temperature measuring device; Standard safety equipment; gloves, goggles, hard hat
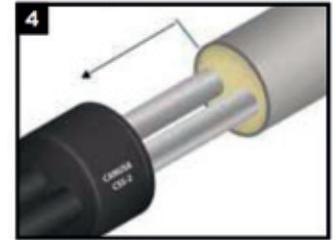
Flame Intensity

3

(A)   (B)

Adjust the flame according to outside conditions.
a. Use bluish-yellow flame for low wind, higher temps.
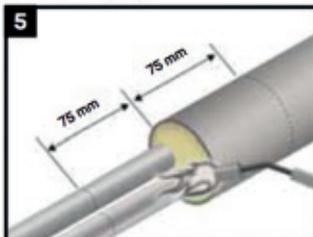b. Use blue flame for high wind, lower temperatures.
Always aim the torch perpendicular to the pipe and move in a circumferential direction.
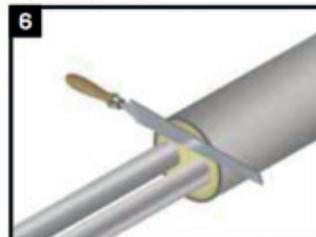
SuperStop Preparation

4

Before welding together the service pipes, slide the CSS2 over and – for surface preparation – as far away from the further application place as possible.
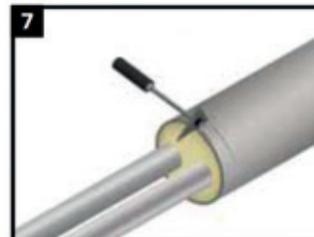
General Drying

5

75 mm   75 mm

Dry the surfaces of the jacket and service pipes with the torch.

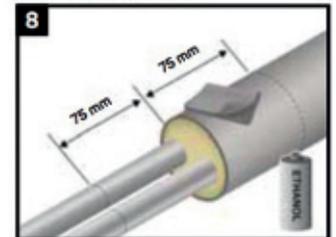**Pipe Preparation**

6

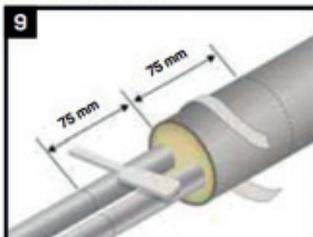Remove any wet or excess PUR foam from the end of the preinsulated pipe.

7

Using a triangular scraper, clean the edge and top of the jacket pipe to remove any sharp corners and burrs.

Surface Preparation

8

75 mm   75 mm
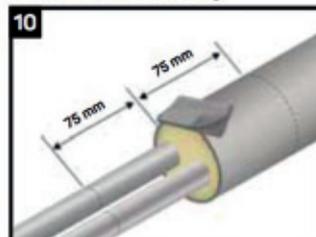
De-grease the surface of the jacket and the service pipes using a grease and lint-free rag soaked in ethanol (min. 99.9%)

Surface Abrasion

9
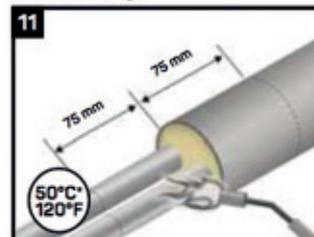
75 mm   75 mm

Using sandpaper (40-60 grade) or a wire brush, roughen the surface of the jacket pipe and the service pipes.

Final Surface Cleaning

10

75 mm   75 mm

Using a dry, grease and lint-free rag, clean the roughened surface to remove any polyethylene or sand particles.

Pre-Warming

11

75 mm   75 mm

50°C*
120°F

Using the torch, pre-warm the surface to be covered with the CSS2 (jacket pipe and service pipes) to a minimum of 50°C. **Using the temperature measuring device, ensure the correct temperature has been reached.**

*Alternative adhesives are available and pre-heat temperatures may vary. Please contact your local Canusa-CPS representative for more details.
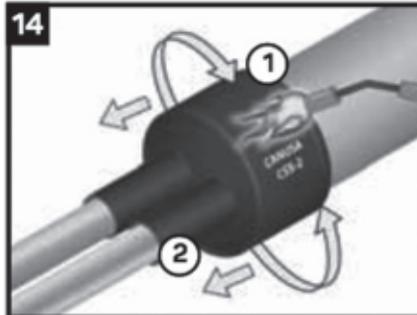
SuperStop Installation

12

Remove the inner release liner from both ends of the CSS2 and bring it in place.

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Using a gloved hand, push the CSS2 into the side of the pre-insulated pipe as far as possible.

Using the torch and heating circumferentially, begin shrinking "the jacket pipe side" of the CSS2, starting with the edge and working towards the service pipe end.
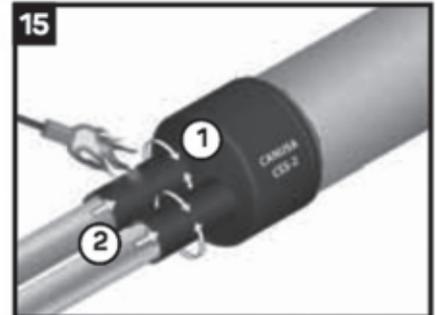
After finishing "the jacket side", shrink the CSS2 around the entire circumference of the service pipes, starting from the inside and working towards the end. Continue...

Quality Check (Finger Probe Test)

...by heating the entire CSS2 and pressing it firmly with a gloved hand into the profile of the pipe end. Press down with a gloved finger on the shrunk area to ensure the backing and the adhesive are soft. If there are cool spots, the shrink zone should be reworked with additional heat.

Visual Quality Check (Finger Tip Test)

Visually inspect the installed Canusa SuperStop for the following:

- The CSS2 edges, all around the circumference, conform intimately with the entire pipe surfaces.
- The CSS2 is in full contact with all pipes.
- The CSS2 has fully conformed to the profile.
- No cracks or holes in the CSS2 backing.

Backfilling Guidelines

After shrinking is complete, allow the Canusa SuperStop to cool to below the intended operating temperature of the pipeline before backfilling. To prevent damage to the Canusa SuperStop, use selected backfill material (no sharp stones or large particles).

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