Share outdoor evenings with family & friends around Semco’s Natural Stone Fire-Pit.

Gather around the glow.
For many, an evening spent outdoors wouldn’t be complete without hot chocolate, roasted marshmallows, and a crackling log fire. Our beautiful Blue River and Cedar Ridge Fire-Pits bring warmth and ambience to your own backyard. Take a vacation any time, without leaving the comfort of your own home.

The Semco Fire-Pit can add flare to your backyard in any season. In the spring, it can serve as a planter and can be converted into a fish pond, water garden or beautiful fountain during the late days of summer.

The 29” & 48” Semco Fire-Pit Kits Include:

A 1 - Steel Fire Ring
B 29” has 15 - 5”H x 9.5”D Caps
   48” has 18 - 5”H x 10”D Caps
Blue River Caps have a thermal finish top, while Cedar Ridge Caps are sawn.
C 29” has 30 - 5”H x 7.5”D Blocks
   48” has 36 - 5”H x 8”D Blocks

Semco Fire-Pits are 15” tall.

Recommended Tools & Materials:

• Level
• Rubber Hammer
• Shovel
• Fire-Retardant Vermiculite or River Sand
• Crushed Limestone
• RG Techni-Seal Adhesive (optional)
• Caulk Gun

*Note: Semco Fire-Pits can be mortar set. Semco recommends the use of a professional mason for such installations.
Semco Fire-Pit Installation Guidelines

This guide is designed to provide general information for the installation of Semco Fire-Pits. It is not recommended to install Semco Fire-Pits directly on top of any concrete, paver, or masonry surface without the use of fire bricks as a base. Directly exposing these surfaces to excessive heat may cause cracking of the surface over time. For best results, install the Fire-Pit prior to laying a patio or remove the existing surface where the Fire-Pit will be installed and prepare the base as directed below.

Step 1 - Surface Preparation

The first step is to prepare the surface. First shovel out a base area to create an aggregate leveling pad, filled with a compactible base material (Crushed Limestone). The pad should be at least 4" deep & extend at least 6" beyond the base course* of stones. The 29" Fire-Pit leveling pad will be 56"(4’8”) in diameter. The 48" Fire-Pit leveling pad will be 76”(6’4”) in diameter. The gravel should be level and compacted tight.

*Course is the term used for each row of stone.

Step 2 - Base Course

29” Fire-Pit has 15 blocks/caps per course, 48” Fire-Pit has 18 blocks/caps per course

Now place the Steel Fire-Ring in the middle of the leveling pad. It will serve as a guide for laying the stone. After the Steel Fire-Ring is in the desired position, pour a 1/2” - 1” thick layer of sand at least 8” wide around the outside of the ring. Compact the sand tight. The most important step in the installation process is to make sure the aggregate & sand are level before you ever begin laying the stone. Place the natural stone blocks approx. 1” away from the outside face of the Steel Ring to leave room for pouring an insulator of sand. The outside edge of the stone blocks should be tight against each other. Make sure the stone blocks are in full contact (flush on the bottom) with the leveling pad. It is critical to use a level to make sure the base course of stone is perfectly level. You may need to shift or adjust the last few pieces of stone to make the outside edge fit together. There is no need to cut the stone blocks.

Step 3 - Stacking & Securing the Second Course

Before you start stacking the second course of stone, clean any debris off the top of the stone blocks so they will be level. You can now start stacking the second course of stone blocks. It is critical to alternate the joints so each joint is centered over a single block. You should stack ALL of the stone blocks & make sure they ALL fit accordingly before you ever secure any blocks with masonry adhesive, (optional). Semco recommends RG Techni-Seal Masonry Adhesive when installing the fire-pit kit. This is the best adhesive to secure the stone blocks. After ALL the blocks have been shifted & adjusted so they fit, you can start applying the adhesive between the two layers according to the manufacturer’s directions. Again, you may need to shift or adjust a few pieces of stone to make the outside edges fit together.

Step 4 - Installing the Caps

After you have stacked and secured the base and the second course of natural stone blocks the next step is to install the caps. The caps will overhang the natural stone blocks by approx. 2”. Again, you need to stack ALL of the caps to make them fit before you use any adhesive. After ALL the blocks have been shifted & adjusted so they fit, you can secure the caps with the RG Techni-Seal Masonry Adhesive. You may need to shift or adjust the last few pieces of stone to make them fit together, the caps should fit flush against each other.

Step 5 - Filling the Sand

After you have secured the caps and allowed plenty of time for the adhesive to dry. The next step is to pour sand in the gap between the Steel Fire Ring and the blocks. Semco recommends using fire-retardant Vermiculite, which will not burn and is a great insulator. However, clean river sand will also work as an insulator. Pack the sand using a tamp (such as a broom stick). Let the sand settle and then top off the sand repeating the tamping step.

As with all open fire equipment, basic safety precautions should be taken with the Semco Fire-Pit:

- Never use this Fire-Pit on a combustible surface such as a wooden deck.
- Fire-pits are intended for outdoor use only. Do not use indoors.
- Fire-Pits burn wood logs only. Do not burn leaves, or other combustible material.
- Never leave the fire unattended. Keep children and pets at a safe distance.
- Have a fire extinguisher or a garden hose handy while the fire is going.
- Never start or maintain a fire in strong winds.
- Use a safety screen when children are nearby & conditions are dry. Never use near flammable or combustible materials.
- Never use an accelerant (such as gasoline) or any other combustible liquid with a Fire-Pit.
- Fire-Pits should be installed within a safe distance away from any homes or buildings.