GROVE FOUNTAIN COMPONENTS / CAST IRON KETTLES

4FT Overflow Fountain

GK40F / Package-specific installation and component guide

This guide matches the current fountain components to the Grove kettle in your package. Component inventory is based on the supplied April 14, 2026 BOM and Grove clarifications of November 7, 2026.

Grove kettle	Outside diameter	Overall height	Approx. bare weight
4FT	48 in	16 in	245 lb

Grove cast iron kettle dimensions and approximate bare weights are shown above. Bare weights exclude water, equipment and packaging. Keep the matching Grove kettle specification sheets with this guide.

Included components

Item	Package contents
Grove cast iron kettle	4FT; interior paint included
Pump	ShinMaywa 11,000 GPH (TSU11000 / 50CRXP2.75S)
Basin	AquaBox Altum 52.5 x 52.5 inches (AB52AB), with grates and pump cover
Kettle support	3-inch-high plastic molded support stand
Additional basin supports	4 black Altum support pipes (ABSUPAL)
Splash collection	Splash apron ABBSA36; anti-splash material cut around kettle support
Water and debris control	ABSCREEN prefilter screen and ABDAUTO auto-fill valve kit
Plumbing	Pump-to-kettle assembly with ball valve, single-union check valve, Fernco coupling, PVC and fittings
Kettle connection	2-inch bulkhead, male adapters and custom kettle diffuser

COMPONENTS AND CONNECTIONS

Match before assembly

Keep the supplied plumbing assemblies together. The inventory below identifies nominal fitting sizes; it is not a pipe-cutting plan or a diagram of final joint positions. Verify fit and access before making permanent connections.

Pump and plumbing

Assembly	BOM-matched parts
Pump outlet	2-inch male-thread x slip street elbow L410020
Flow control	2-inch ball valve 2BVS; 2-inch single-union check valve CV82520
Connections	2-inch street elbow L409020; 2-inch Fernco coupling 2FRNS
PVC pieces	BOM lists 2-inch pipe lengths of 2.25, 4.5 and 9 inches
Kettle connection	2-inch male adapters L436020 and 2-inch bulkhead 2BHF
Water effect	Custom kettle diffuser

Preserve the model-specific splash arrangement

The 5FT package uses a 10 x 10 ft liner; the 3.25FT and 4FT BOMs list ABBSA36 splash aprons. Do not apply the supplier reference’s 40 x 40 inch center cut or its excavation measurements to every Grove size. Fit the actual basin, grates, kettle support and collection area.

Nominal bulkhead size does not determine the drilled-hole diameter. Use the actual fitting manufacturer’s instructions and Grove’s prepared kettle openings; do not drill from the BOM description alone.

Pump ratings are nominal maximum flow. Delivered flow depends on lift, plumbing resistance and adjustment. Follow the manual for the actual pump label.

INSTALLATION SEQUENCE

Prepare assemble and test

Plan handling and support for the cast iron kettle and the complete operating load. Use appropriate lifting equipment and a qualified installation team. Keep electrical equipment disconnected while handling, plumbing or servicing the feature.

1 Plan the site

Confirm underground utilities, a stable bearing surface, drainage, service access and the electrical arrangement required by the pump manual. Plan the basin and splash-collection footprint together.

2 Install and support the basin

Set and level the actual AB52AB basin using its matching manufacturer instructions. Install the supplied structural supports and four additional ABSUPAL support pipes. Check support placement under the grate and kettle.

3 Fit splash collection first

Arrange the package’s splash apron or liner to return water to the basin before placing the kettle. Keep the pump access cover usable. Do not reuse the steel-bowl reference’s cut sizes without measuring your assembly.

4 Position pump and plumbing

Keep the pump accessible. Connect the supplied discharge/check-valve union assembly using the pump instructions. Preserve the ShinMaywa flange gasket where applicable; use the actual fittings supplied.

INSTALLATION SEQUENCE / CONTINUED

Complete and commission

5 Place the Grove kettle

Position the 3-inch molded kettle support and lower the kettle with appropriate equipment. Guide its bulkhead/plumbing into place without loading or trapping the pipe, cord or fittings. Do not tip/balance the heavy cast iron bowl by following the lighter supplier bowl’s handling example.

6 Connect and level

Reconnect the accessible union, fit the custom diffuser and level the kettle in every direction. Refit grates, pump cover, prefilter and anti-splash material. Install ABDAUTO according to its supplied instructions.

7 Fill and test

Fill the reservoir and prime/fill the kettle as required by the supplied equipment instructions. Check joints for leaks before concealing them. Run the pump only with the required water level, adjust flow, and confirm that overflow returns to the basin.

8 Finish and maintain access

Add suitable decorative finish without blocking water return, the auto-fill or pump access. Decorative stone is not listed in these BOMs. Demonstrate water-level checks, pump access, shutdown and seasonal maintenance to the owner.

CARE AND PROJECT RECORD

Keep the installation serviceable

Before starting the pump

Confirm the pump model, electrical supply and water level against the manufacturer instructions. Use the required GFCI protection and suitable electrical installation. Keep controls and connections in their specified locations. Never lift a pump by its cord or run it dry.

Routine care

Check water levels, debris and water return regularly. Disconnect power before reaching into the water or servicing equipment. Clean the intake, prefilter and accessible basin as the equipment instructions require. Keep grates, support components and plumbing accessible; do not bury service access under permanent landscaping.

Winterize the pump, plumbing, basin and auto-fill for the actual equipment and climate. Use the manufacturer's cold-weather instructions rather than assuming that continuous pump operation prevents freeze damage.

Equipment instructions

ShinMaywa TSU11000 model information

For ShinMaywa installations, retain the instruction manual shipped with the actual 50CRXP2.75S pump. Also retain the basin, auto-fill and any optional light/transformer instructions. EasyPro EP-family pump manuals do not apply to these IllumiFlow / ShinMaywa pumps.

Installation record

Order: _____ Installed: _____

Pump model / serial: _____

Installer / contact: _____

Support and water-return checks: _____

Owner shown pump access and shutdown: _____

Source control: GK40F component mapping from Grove's April 14, 2026 BOMs and November 7 clarifications. Kettle dimensions/weights use Grove approved sheets. Supplier price estimates are not included in this customer guide.