

# Submittal Data Information

## Roth 3/4" GV Shunt

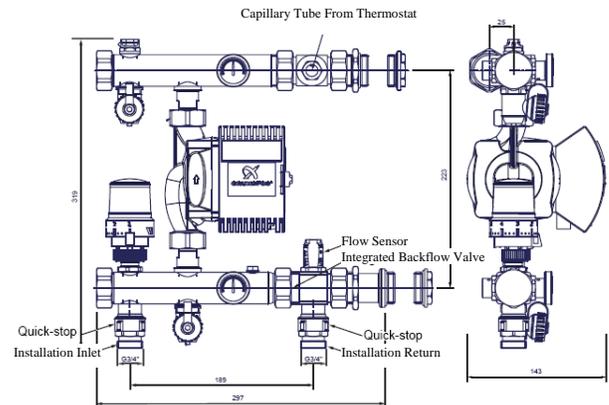


Effective: September 2007

Supersedes:

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

ITEM PART NO.	ITEM DESCRIPTION	MANUFACTURER
#2371000004	3/4" GV Shunt	Roth



## GV 3/4" Shunt

### Thermostatic valve and pump Shunt System

The GV Shunt Pro is used together with the Roth HK or HKV manifold(s) and allows a mixed temperature to a radiant floor system in a pre-piped package.

The GV shunt has a capacity of up to 48,000 Btu/hr (15 kW). The shunt is provided with quick-stop valves on the primary side and a flow sensor for easy adjustment of the primary flow. The shunt can be mounted on either the right or the left side of the manifold.

The GV shunt is designed to mix water where the heat source has a higher output temperature than the floor systems design temperature and is used for both hand-operated and electrically controlled installations. The shunt is equipped with a thermostatic valve with an outlet temperature limit of 140° F and which provides

simple regulation of inlet temperature to the floor heating system. The temperature is simply set at the thermostat head in the range of 60 to 160° F.

The system is unbeatable when combined with floor heating using solar heating, heat pumps, condensing boilers and standard cast iron boilers.

### Technical Data

#### Common data:

Max operating temperature (primary):	190° F
Pressure difference (primary):	(3psi-7psi) 20-50 kPa
Minimum operating pressure from primary pump:	200 Pa (.029 psi)
Maximum operating pressure:	10 bar (145 psi)
Maximum floor heating area:	2580 Sq. Ft.
Pump:	Grundfos 15/42
Connector (primary):	3/4" Euro 3/4" sweat
Material:	Brass Ms 58 and Ms 63
Gaskets:	EPDM

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