

KSG Series

Safety unit for closed circuit systems

Technical Data Sheet



Description

Compact and complete safety unit for closed circuit heating systems according to EN 12828 standard.

KSG



Safety unit for closed circuit systems according to EN 12828, installed on a galvanized steel manifold, complete with air vent valve, 1/2" safety valve (3 bar), pressure gauge (0÷4 bar) with adjustable pointer and check valve. 1" F safety unit connection. PN 10. ISO versions completed with insulation.

Type	Part no.	Setting	Connection	Outlet SRV	Power
KSG	0270130INT	3 bar	G1	G3/4	50 kW
KSG-ISO	0271133INT	3 bar	G1	G3/4	50 kW

Other versions available on request

KSG/20M



Safety unit for closed circuit systems as per KSG, but with valve fixed in position F (front), R (right) and L (left). Version 20M with 3/4" valve. Version 25M with 1" valve. "F" (front) versions complete with insulation.

Type	Part no.	Setting	Connection	Outlet SRV	Power
KSG/20M-F-ISO	0270136INT	3 bar	G1	G1	100 kW
KSG/25M-F-ISO	0270137INT	3 bar	G1	G1 1/4	200 kW

Other versions available on request

KSG-N



Safety unit for closed circuit systems according to EN 12828, up to 50kW complete with insulation - compact version, brass body with built-in air vent and safety valves incorporated into casting. Pressure gauge (0÷4 bar).

Type	Part no.	Setting	Connection	Outlet SRV	Power
KSG-N	0272015	1.5 bar	G1	G3/4	50 kW
KSG-N	0272025	2.5 bar	G1	G3/4	50 kW
KSG-N	0272030	3 bar	G1	G3/4	50 kW

KSG-MS



Safety unit for closed circuit systems according to EN 12828, up to 50kW, brass body with air vent valve and fixed safety valve (3 bar). Pressure gauge (0÷4 bar) DN63 with check valve.

Type	Part no.	Setting	Connection	Outlet SRV	Power
KSG-MS	0273330	3 bar	G1	G3/4	50 kW

Technical features	
Maximum temperature	80°C
Nominal pressure	10 bar
Discharge pressure	See safety valve settings
Pressure gauge scale	0÷4 bar

Material	
KSG	
Manifold	Galvanized steel sheet
Safety valve body	CW617N brass
Safety valve diaphragm	Peroxide cured EPDM
Vent valve body	CW617N brass
Vent valve seals	EPDM
Pressure gauge body	ABS
KSG-N	
Manifold	CB753S brass
Safety valve diaphragm	Peroxide cured EPDM
Vent valve seals	EPDM
Pressure gauge body	ABS
KSG-MS	
Manifold	CW617N brass
Safety valve body	CW617N brass
Safety valve diaphragm	Peroxide cured EPDM
Vent valve body	CW617N brass
Vent valve seals	Silicone
Pressure gauge body	ABS

Application

As an alternative to single devices, the safety unit incorporates the accessories and tools utilized in closed circuit systems to guarantee monitoring and safety of the system.

With a pressure gauge installed, system pressure can be monitored continuously.

The inclusion of check valves enables replacement of the pressure gauge and the vent valve without depressurizing the system. The **KSG30 Series** model allows directional adjustment of the safety valve through 360°.

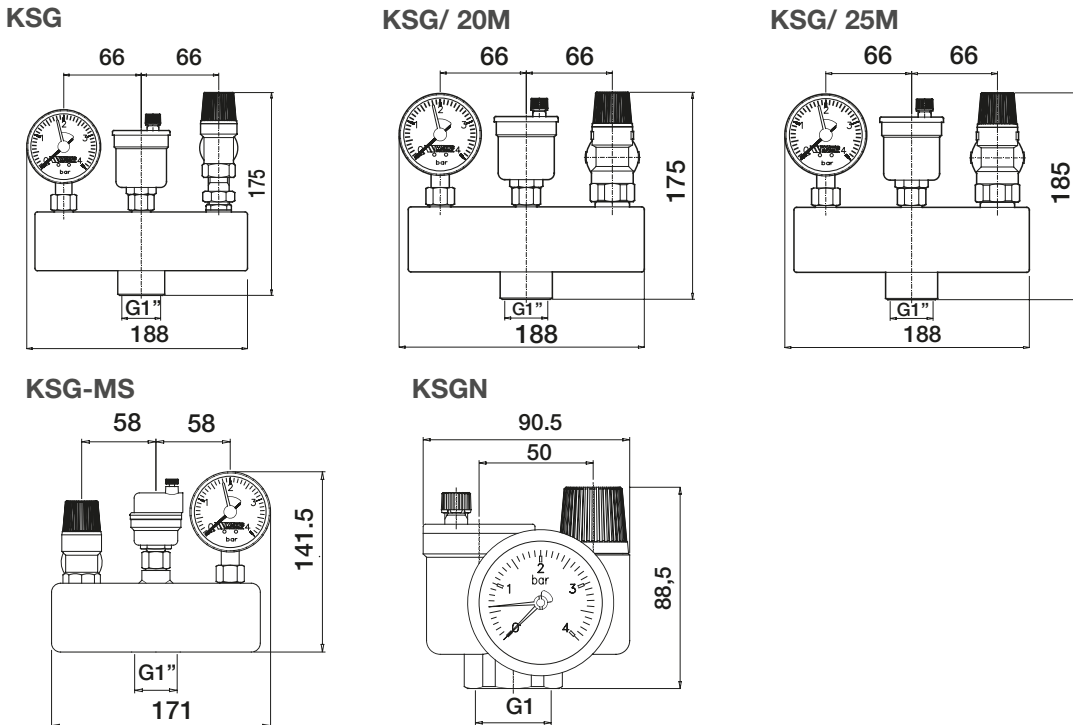
Operation

The **KSG Series** safety unit comes with pressure gauge, vent valve and safety valve.

The safety valve is spring-loaded, and allows system pressure to be maintained steady within the limit value envisaged for the installation.

The vent valve is equipped with an internal float, by means of which air accumulating in the system can be eliminated automatically.

Overall dimensions (mm)



Specification text

KSG Series

Safety unit **KSG Series** – WATTS brand – for closed circuit systems according to EN 12828, galvanized steel manifold, complete with air vent valve with check valve, directionally adjustable safety valve. Pressure gauge 0÷4 bar, DN63, with check valve.

KSG-M Series

Safety unit **KSG-M Series** – WATTS brand – for closed circuit systems according to EN 12828, galvanized steel manifold, complete with air vent valve, and safety valve in fixed position: front, right and left. 25M version with 3/4" valve.

KSG-N Series

Compact safety unit **KSG-N Series** – WATTS brand – for closed circuit systems according to EN 12828, up to 50 kW complete with insulation, brass body with built-in air vent and safety valves. Pressure gauge 0÷4bar DN63.

KSG-MS Series

Safety unit **KSG-MS Series** – WATTS brand – for closed circuit systems according to EN 12828, up to 50 kW, brass body with air vent valve, check valve and safety valve in fixed position. Pressure gauge (0÷4 bar), DN63, with check valve.

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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