

GUBER-WG

Water motor alarm gong

Guber-WG provides a local audible indication of waterflow in a fire-protection system. It uses water from the alarm line to drive a mechanical gong, so its sounding mechanism does not require an electrical sounder supply. It does not replace every alarm function required by the system design.



Alarm water enters the turbine body and turns an impeller and drive shaft. The striker repeatedly contacts the gong to produce a sound. Water leaves through the designated outlet and drain arrangement.

01 Technical parameters

Parameter	Value / configuration
Maximum working pressure	300 psi / 20.7 bar
Operating temperature	0°C...+100°C
Inlet	3/4" NPT
Outlet	1" NPT
Medium	Water

02 Approval and scope

FM Approvals	Identification	Model / standard
Model certificate	PR474502	GUBER-WG · FM 1055

Approval applies to the specified configuration; it must not be transferred to other models, connections or complete installations.

Design and test standards stated in the specification: UL 193 / FM 1055. A standards reference does not replace a separate UL certificate for the Mercatura model.

Figure 1. Drive section and component numbers. Items 1–24 correspond to the following table.

No	Component	Material
1	Driver shell	Aluminium alloy
2	Impeller	Delrin
3	Sealing gasket	EPDM
4	Cover	1045 or SS304
5	Bolt	1045 or SS304
6	Nozzle	C954
7	Gasket	1566
8	Support pipe	1045 or SS304
9	Drive shaft	Aluminium alloy
10	Sleeve	1045 or SS304
11	Internal circlip	SS304
12	Drive shaft adaptor	Delrin

04 Materials and components

No	Component	Material
13	Supporting screw	Aluminium alloy or SS304
14	Bell seat	Aluminium alloy
15	Gong	Aluminium alloy
16	Bolt	Aluminium alloy or 1045
17	Support nut	Aluminium alloy
18	Striker	Phenolic resin
19	Bolt	Aluminium alloy or SS304
20	Joint	Aluminium alloy
21	Screw nut	Aluminium alloy or SS304
22	Gasket	Delrin
23	Supporting post	Aluminium alloy or SS304
24	Tag	Paper

05 Installation and checks

Follow the approved installation layout. Avoid obstructions and strain on the supply or discharge connections. Keep the mechanical movement unobstructed.

06 Operation and maintenance

Perform an alarm waterflow test and check that the gong sounds, the mechanism moves freely and drainage is unobstructed.

07 Ordering information

Variant	Mercatura code
Guber-WG	M-AV-WMG-24

FM approval applies to the Guber-WG configuration documented under FM 1055. Approval of the alarm valve does not replace the gong documentation. Protect the water path from freezing and confirm that all installation limits are met.