



BLAZE



Water Motor Gong

Model : BT WMG

Description:

The BT MWG Water Motor and Gong (WMA-16) is a hydromechanical alarm device designed to provide a continuous audible warning when a sprinkler system is activated by water flow. The water flow rotates the impeller and striker, sounding a loud continuous alarm to signal that the fire suppression system is active.

Suitable for indoor installation, the unit features a durable aluminium gong and mount, stainless steel shaft of 300 mm long and a nylon impeller. It is designed for a working pressure range of 7 to 300 psi (0.5 to 20.7 bar) and includes 3/4" NPT inlet and 1" NPT drain outlet connections. An optional long shaft is available for installations with a wall thickness of up to 450 mm.

Specifications :

End Connections :

Approvals	FM Approved, UL Listed
Inlet	3 /4" NPT
Outlet Drain	1" NPT

Gong Specifications :

Outlet Sound	90 dB
Working Pressure	7 to 300 psi (0.5 to 20.7 bar).

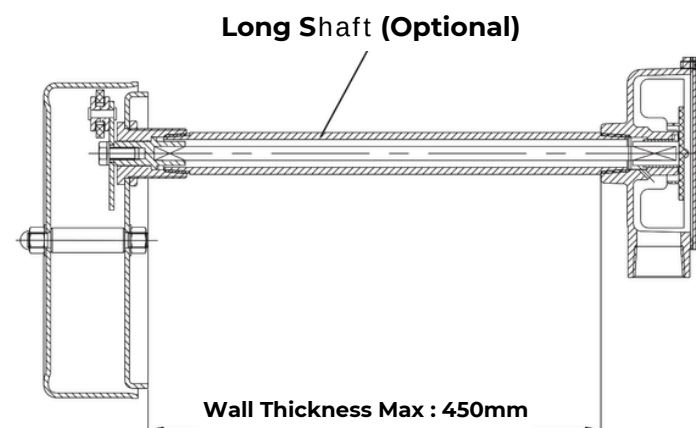
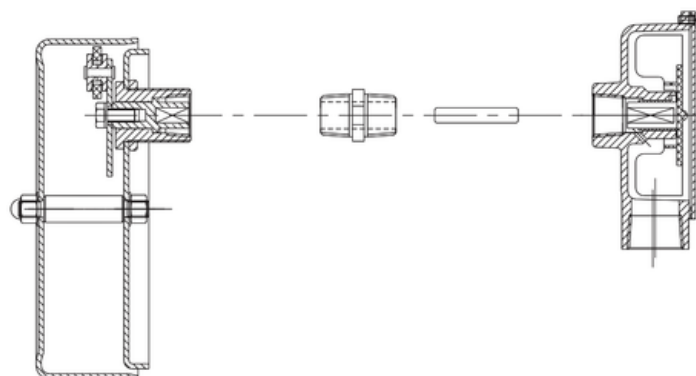
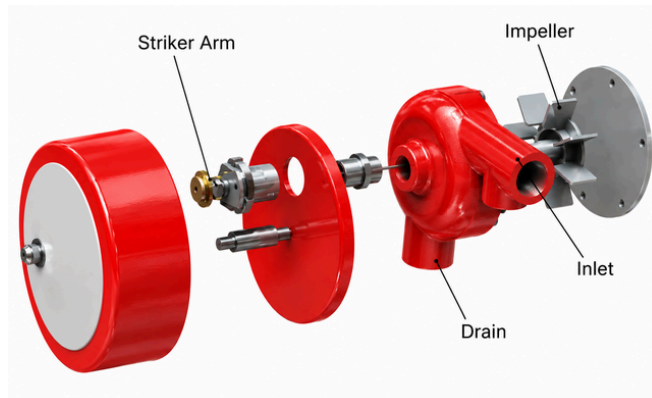
Material Specifications:

No.	Part	Material
1	Gong	Aluminum
2	Gong Mount	Aluminum
3	Back Shaft	Aluminum
4	Driver Shaft	SS304
5	Water Motor	Cast Aluminum
6	Impeller	Nylon
7	Striker Ring	POM
8	Striker Arm	SS304

Operation:

Upon activation of the sprinkler system, water flows through the valve trim assembly and discharges through a strainer into the water motor inlet. The water is then directed through an internal nozzle on to the impeller, rotating the impeller and drive shaft assembly. This rotational movement drives the striker arm to generate a continuous audible alarm.

Water discharges via a 25 mm (1 in) drain outlet situated at the base of the impeller housing.



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