

***G40 Universal oil burner :***

***Domestic oil, vegetable oil,  
Waste oils or mixtures***





## **Burner Function**

The universal oil burner by Giersch is as the name suggests, a burner for all kinds of vegetable, animal and mineral oils. And without complex internal components. The innovative vacuum system using compressed air makes it possible.

A small pump feeds oil into the burner tank. A float switch ensures correct oil level. In the burner tank an electric heating element heats the oil.

An adjustable temperature regulator regulates the correct oil temperature. For vegetable oil 140 degC, mineral oils around 100 degC. The Universal oil burners are connected to an external compressed air system.

The compressed air feeds directly into the sprayer nozzle, using the venturi principle to suck the oil out of the burner tank. The oil is sprayed in a micro-fine pattern.

One, two or three nozzles are used, depending on burner size. Total combustion air is a combination of compressed air, as primary air, and blower air as secondary air.

The extremely fine oil spray mixes with the blower air at the obstruction disk and combusts. The blower air is manually adjusted at the air intake. If wanting to use normal heating oil, the heating unit can be turned off.

## **Technical Data**

Burner model		G20	G55	G100	G200
Oil consumption	Kg/hr	2.4-2.7	3.0-5.0	6.5-8.6	9.5-16.4
Primary air vol	M3/hr	6	8	15	25
Primary air pressure	bar	0.5	0.9	0.9	1.2
Capacity with Vegetable oil	kW	25.4-28.6	31.8-53.0	55.1-91	100-174
Capacity with Heating oil	kW	28.5-32.0	35.6-59.3	61.7-102	113-195
Motor capacity	W	90	180	180	250
Electrical pre heater	W	600		600	1100
			1/N/PE ~50Hz	220-240V	
Burner Mounting Bore	mm	Ø90	Ø104	Ø104	Ø104/146
Pitch Circle	mm	Ø125-160	Ø150-195	Ø150-195	Ø150-195

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