



Throttle Valves

DK 50-01 • DK 100-01 • DK 140-01 • DK 200-01 • DK 300-01

DESCRIPTION

As a component of the HEINZMANN KRONOS 10 system the butterfly throttle valves controls the quantity of the gas and air mixture. Furthermore in special applications the throttle valve can be used as a gas valve to control the mixture quality.

The size range from 50 to 300 and the sealed design covers a wide output power and operation pressure range.

Precise manufactured the valve allows an optimal engine control and a exceptional life time. Rotation angle of the throttle valve is 75 °. Sense of rotation is optional CW or CCW.

FEATURES

- The Throttle valves is suitable for naturally aspirated and turbo charged engines
- Low torque plain bearings designed for a long durability
- Sealed valve shaft for draw through as well as blow through configurations up to 3 bar abs.
- Shaft and throttle plate made of stainless steel material
- Standard flange sizes for easy adaptation. Sizes are also corresponding to HEINZMANN Gas and Air Mixers
- Throttle valve lever can be mounted on both sides for required sense of rotation
- Mechanical endstop for fully opened position
- Applicable for a wide range of gasses e.g. from landfill gas to propane
- For corrosive gases the components are also available in anti corrosive versions
- All throttle valve components are maintenance free

APPLICATION RANGE

Throttle	Gas Engine Output Range in kW *			
	Stoichiometric		Lean burn **	
	min.	max.	min.	max.
Size 50	35	125	25	85
Size 100	70	250	50	170
Size 140	140	500	100	340
Size 200	330	1200	230	840
Size 300	750	2250	500	1500



* Power for natural aspirated applications. With turbo charger the output will be 50 % to 150 % higher, dependent on the boost pressure.

** Power at an Air to Fuel Ratio of about 1,6

For dimensions of throttle valves see overleaf

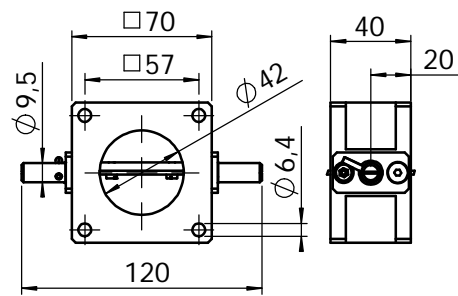
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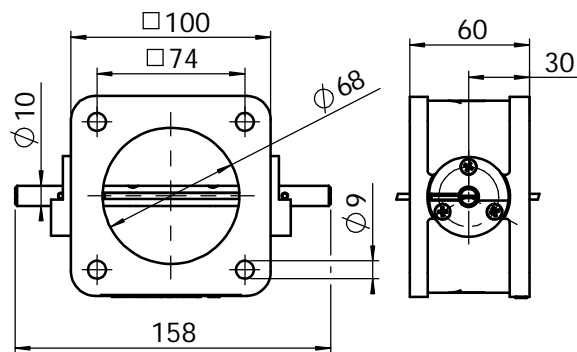
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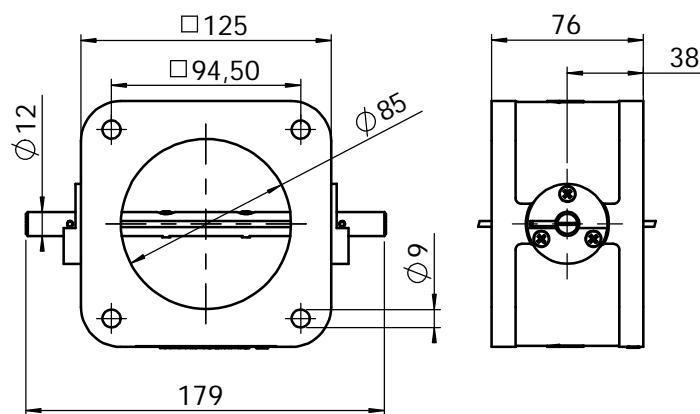
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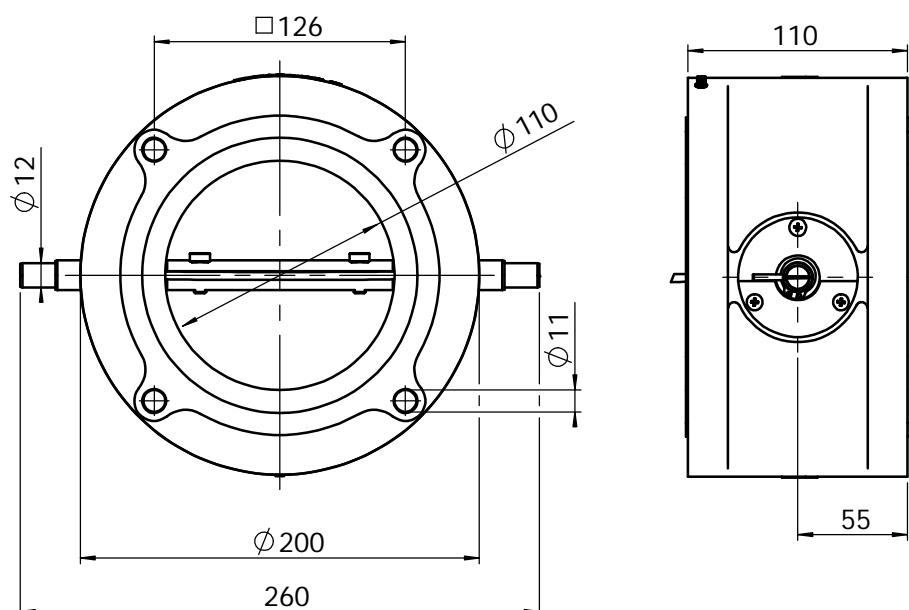
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Size 140



Size 200



Dimensions for Size 300 on inquiry