

WG 30 / WG 40 / WG 50 / WG 60 / WG 70 / WG 90
WG 120 / WG 170 / WG 200

Wastegate Valves

DATA SHEET

Description

For high-powered combustion engines turbocharging is inevitable for enhancing power output and engine efficiency. Therefore, elaborate control elements especially on the hot exhaust gas side of the engine are required to achieve precise and reliable charging control. HEINZMANN offers this equipment, comprising all components for wastegate.

The valves are available with a 68° or 90° rotation angle and are suitable for use in gas engines and diesel engines. Application though considerably depends on fuel type and quality and should be discussed with HEINZMANN in advance. On request a complete system consisting of throttle valve, actuator and connecting rodding can be supplied.

The valves with a 90° rotation angle are provided with a stop in the closed position. Due to this stop, leakage over the closed valve is very low.

Application range

- Combustion engines with high operating temperature



Features

High temperature and corrosion resistance

Best sliding on a large temperature range

Connection to actuator with linkage or shaft and high-temperature coupling possible

Maintenance-free



WG 30



WG 50



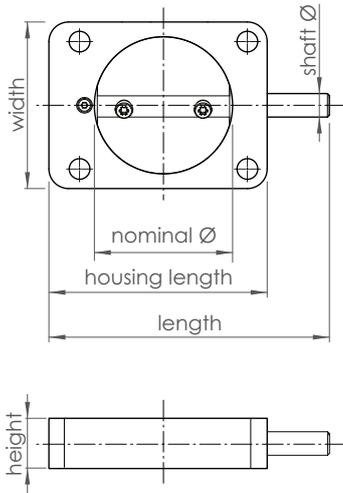
WG 120



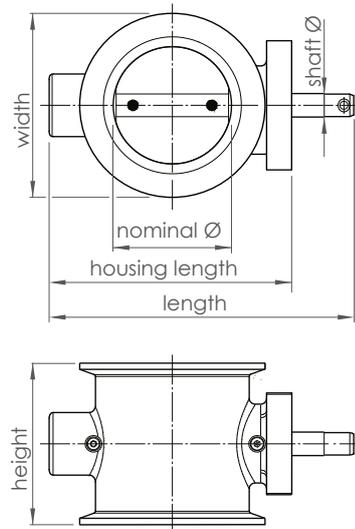
WG 200

Dimensions

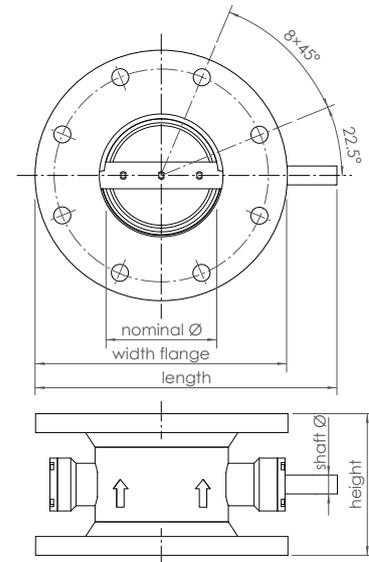
Dimensions
Flat Housing



Dimensions
Cone Housing



Dimensions
Housing with flange



Technical data

| Description | Nominal Ø (mm) | Angle | Width / flange Ø (mm) | Length (mm) | Height (mm) | Housing length (mm) | Shaft Ø (mm) |
|----------------------------|----------------|-------|-----------------------|-------------|-------------|---------------------|--------------|
| WG 30 Cone flange | 30 | 68° | 50.5 | 88.5 | 52 | 65.5 | 8 |
| Flat housing | | | 44 | 86.5 | 19 | 66.5 | 8 |
| WG 40 Cone flange | 40 | 68° | 50.5 | 88.5 | 52 | 65.5 | 8 |
| Flat housing | | | 54 | 86.5 | 19 | 66.5 | 8 |
| WG 50 Cone flange | 50 | 68° | 94 | 146.5 | 82.5 | 123 | 12 |
| Flat housing | | | 75 | 142 | 30 | 110.5 | 12 |
| WG 60 Cone flange | 60 | 68° | 94 | 146.5 | 82.5 | 123 | 12 |
| Flat housing | | | 75 | 142 | 30 | 110.5 | 12 |
| WG 70 Cone flange | 70 | 68° | 94 | 146.5 | 82.5 | 123 | 12 |
| Flat housing | | | 85 | 142 | 35 | 110.5 | 12 |
| Flat housing | 66 | 90° | 105 | 142 | 35 | 120.5 | 12 |
| WG 90 Flat housing | 90 | 90° | 142 | 196.6 | 48 | 160 | 20 |
| WG 120 Housing with flange | 120 | 90° | 265 | 320 | 150 | 265 | 20 |
| WG 170 Housing with flange | 170 | 90° | 320 | 360 | 150 | 320 | 25 |
| WG 200 Housing with flange | 200 | 90° | 320 | 400 | 150 | 320 | 25 |

- Operating temperature: -40 °C ... +550 °C, for special versions up to 750 °C on request
- Max. delta pressure: 5 bar abs.