

Link do produktu: <https://bizongarage.pl/44mm-piston-external-wastegate-p-40856.html>

## 44mm Piston External Wastegate



Cena brutto	<b>4 222,36 zł</b>
Cena netto	<b>4 222,36 zł</b>
Dostępność	<b>Na zamówienie</b>
Numer katalogowy	<b>379176111</b>

### Opis produktu

#### Highlights

- Compact design for installation in even the tightest locations.
- Fully tuneable from 4psi to 26psi spring pressure (0.28 to 1.79bar). (Tuning beyond 26psi will require a boost controller)
- More accurate boost control with custom Eibach® springs made specifically for this application.
- Fully serviceable with no specialist tools required.
- Anodised billet housing.
- Water-cooled option as standard to keep the piston, O-ring and cylinder within their optimum operating range.
- NO Diaphragm to fail, unlike our competitors, which enables the use of high pressure compressor driven boost control above the piston if necessary or desired, without the danger of the diaphragm turning inside out
- Unique lightweight piston design.
- Faster response.
- Original purchaser has "[Forge Motorsport Lifetime Warranty](#)".
- 304 Stainless Steel CNC machined V-band clamps supplied for easy installation and maximum clamping force.
- 44mm industry standard weld on fittings supplied for installation to any existing 44mm set up.
- Adjustable water inlet and outlet position.

Having been the world leaders in aftermarket replacement turbo actuators for the last 20 years we spent a long time conducting market research and development to find exactly what would constitute "The World's Best External Wastegate" and here we are... Forge Motorsport proudly present the world's first piston wastegate with optional water cooling - the FMWCW1.

Following the release of our original piston operated wastegate we knew that we wanted to create a product that would perform to the same capability but within a more compact area.

In striving to do this, our engineers managed to develop a wastegate that exceeded all expectations.

Our new wastegate is 45% smaller than the original, and can withstand temperatures of over 1000°. The internals have been designed so that the piston is more responsive than ever. It is the **world's first** external, piston operated wastegate with water-cooling capability.

#### The Design

We observed that there were issues within the industry of external wastegates failing due to the environments they are situated in. We knew that we did not want to take a step backwards and use diaphragm internals, so we concentrated on reducing the piston and spring size.

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Our engineers came up with multiple body styles and conducted flow tests on each one to determine which would perform to the best ability and still have a good aesthetic