

# GC-25 CARTRIDGE

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GC-25 cartridges include Trialox Technology, a new revolutionary ceramic set that boosts the life expectancy of the cartridge while improving its performance and robustness. This upper sealed cartridge allows the manufacturer to work with different faucet configurations.



# ADVANTAGES



1

## Trialox Technology

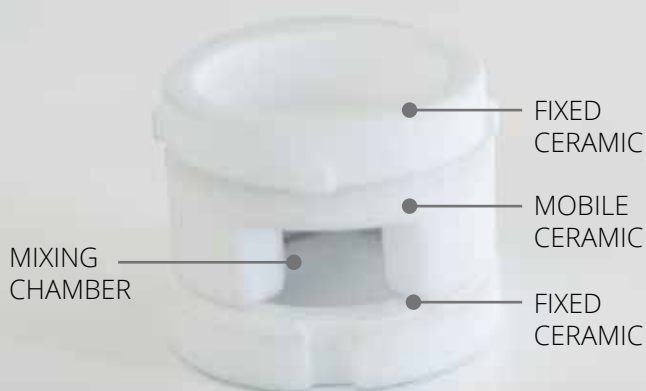
The new GC-25 Trialox features a new ceramic design that boosts its life expectancy while improving consistently the comfort of operation. Sedal's Trialox Technology is at the heart of this upper sealing 25mm cartridge to deliver a significant high flow for such a small footprint.



2

## New revolutionary ceramic set

The GC-25 Trialox consists on a mobile ceramic sandwiched between two fixed ones, instead of the classic two ceramic construction. The water flows inside GC-25 through the lower ceramic to the mixing chamber. The upper fixed ceramic ensures leakage protection while keeping operation smooth.



3

## High performance

Along with a high flow, the GC-25 Trialox ensures a full EN817 or ASME cycling while keeping the torque of operation and comfort parameters regularly.

4

#### Robust design

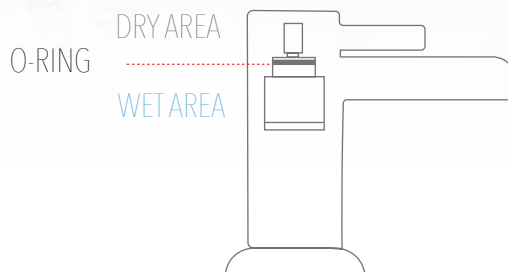
The GC-25 Trialox has been designed with robustness in mind. The body and internal components are made of high performance technical plastics while the lever is metallic to give an extra feeling of safety at the stroke ends.

5

#### Multiple design options

The small size of GC-25 makes it specially suitable for slim design faucets, allowing the manufacturer to innovate with its design without giving up the high-performance and robustness of the product.

This cartridge has also an upper sealing that enables multiple design configurations



## TECHNICAL SPECIFICATIONS

Nut torque/Pitch M1,5	7-8 Nm
Opening angle	23°
Rotation angle	90°
Working pressure (recommended)	1 - 5 bar
Burst pressure	>35 bar
Life cycle - EN 817	70.000 cycles
ASME A112.18.1	500.000 cycles
Max. hot water	90 °C
Sensitivity	11-13° angle
Fidelity	<3°C

Constant 63°C & 50°C (6 l/min - 3 l/min)	<4°C - <6°C
<b>Flow rate at free flow</b>	
0.5 bar	6.4 l/min
1 bar	9.2 l/m
3 bar	16.1 l/min
5 bar	20.9 l/m
<b>Operation Torque</b>	
Open-close	0,15÷0,40 Nm
Turn left-right	0,15÷0,40 Nm

Tested with proprietary fixtures at SEDAL lab. (1) Considering restrictor & faucet body type



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