

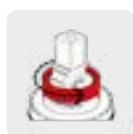
# Sedal

## TOP Range



The faucet's heart

# Main Technologies



## Temperature Ring (TR)

Limits handle rotation to control hot water and prevent scalding. Adjustable after installation, it also improves energy efficiency by reducing unnecessary hot water use.



## EcoFlow

Regulates water flow in the cartridge for stable performance, ensuring consistent mixing and reducing water use.



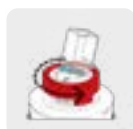
## Flow limiter (N)

Controls maximum water flow by limiting lever angle with an adjustable screw. This enables precise water use while keeping a comfortable experience.



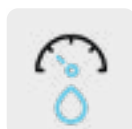
## High Flow

Designed to deliver higher water volume with optimized flow, ensuring strong, consistent performance for demanding installations.



## Temperature Ring with Flow limiter (TRN)

Combines temperature and flow control, limiting heat and handle opening to save water while ensuring safe use. Adjustable after installation.



## Low Pressure

Designed for low-pressure systems, ensuring smooth, consistent flow through reduced resistance.



## Hard Point (Due) C2

Introduces slight resistance at mid-flow to encourage moderate use and reduce consumption, while still allowing full flow when needed.



## High Pressure

Built for high pressure, with reinforced components ensuring durability, smooth operation, and long-term reliable performance

# Versions



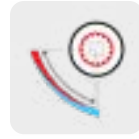
	Type		Opening			Technologies		
	Regular	Upper Sealing	Standard	Cold	Cold Mirror	Temperature Ring (TR)	Temperature & Flow Limiters (TRN)	Due
EN-25 TOP	Short base (S/D) Long Base (C/D)		x	x	x			x
EX-25 TOP		EX	x					
EX-27 TOP		EX	x	x				x
EX-28 TOP		EX	x	x	x	x	x	x
CC-28 TOP		CC Direct plug in	x	x		x		
EN-35 TOP	Short base (S/D) Long Base (C/D)		x	x	x	x	x	x
EX-35 TOP		EX	x	x	x	x	x	x
G-35 TOP		G	x	x	x	x	x	x
CC-35 TOP		CC Direct plug in	x	x		x	x	x
EN-40 TOP	Short base (S/D) Long Base (C/D)		x			x	x	x

# Openings



## Standard Opening

In standard use, lifting the central lever mixes hot and cold water, with temperature adjusted by moving it to either side.



## Cold Opening C3

In cold opening, the central lever gives only cold water; hot is activated only when turned, reducing consumption and improving efficiency.



## Cold-Mirror Opening C3

Cold-Mirror opening delivers cold water in the center, but reverses the hot direction, improving ergonomics and vertical alignment in kitchen faucets.

# Featuring

## Higher Flow Rate

TOP delivers up to 5% higher flow rate than the average cartridge in its category, outperforming its closest competitors while ensuring a powerful and consistent water flow.

## Outstanding Comfort

TOP provides exceptionally smooth and precise operation, even under hot water conditions, delivering up to 11% greater user comfort compared to the market average.

## Best-in-Class Sensitivity

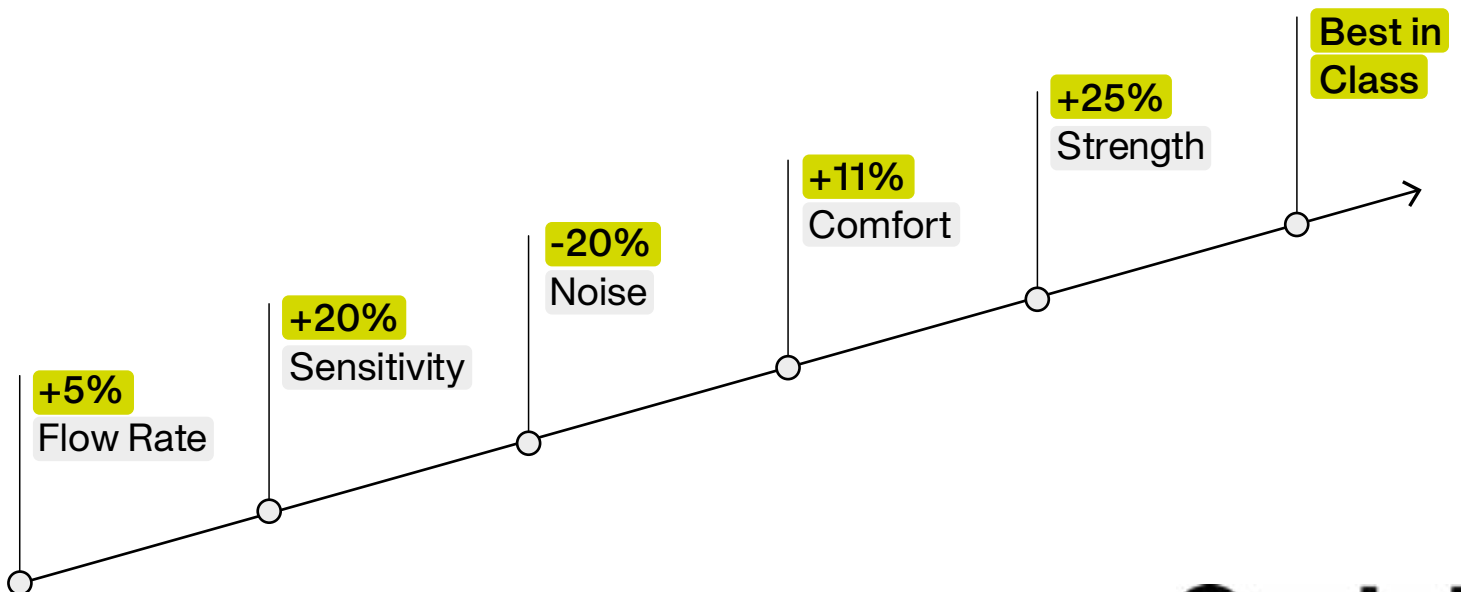
Engineered for superior responsiveness, TOP offers up to 10% better sensitivity than its closest competitor and more than 20% higher sensitivity than standard cartridges on the market.

## Reduced Noise Level

TOP achieves excellent acoustic performance, meeting NF Class 3 requirements (<15 dB) and operating up to 20% quieter than the average cartridge in its segment.

## Enhanced Mechanical Strength

Designed for durability and reliability, TOP provides up to 25% greater mechanical strength than standard 35 mm cartridges, ensuring long-lasting performance.



# Sedal

# Technical Specifications

	EN-25 TOP	EX-25 TOP	EX-27 TOP	EX-28 TOP	CC-28 TOP
Nut torque/Pitch M1,5	7 - 8 Nm	7 - 8 Nm	7 - 8 Nm	7 - 8 Nm	7 - 8 Nm
Opening angle	22,5°	0 - 23° / 12,5°-12,5°	22°	22°	22°
Rotation angle	100°	100°	100°	90°	90°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar	>50 bar	>35 bar	>35 bar
Life cycle- ASME	1.500.000 cycles	1.500.000 cycles	1.500.000 cycles	1.500.000 cycles	1.000.000 cycles
EN 817 (NF-077 U3)	175.000 cycles	175.000 cycles	175.000 cycles	175.000 cycles	175.000 cycles
GB-18145	210.000 cycles	210.000 cycles	210.000 cycles	140.000 cycles	140.000 cycles
Sensitivity <sup>(1)</sup> (EN 817)	>12°	>12°	>16°	>12°	>12°
Fidelity <sup>(1)</sup> (NF-077)	<5°	<5°	<5°C	<5°C	<5°C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4 °C - <6 °C	<4 °C - <6 °C	<4°C - <6°C	<4°C - <6°C	<4°C - <6°C
Max. hot water limit	90°C	90°C	90°C	90°C	90°C
Free flow <sup>(1)</sup>	14,8 l/m	12,30 l/m	12,5 l/min	14 l/min	13,4 l/min
Open-close	0,20 - 0,40 Nm	0,15 - 0,40 Nm	0,15 - 0,30 Nm	0,2 - 0,4 Nm	0,15 - 0,3 Nm
Turn left-right	0,15 - 0,35 Nm	0,10 - 0,40 Nm	0,15 - 0,30 Nm	0,15 - 0,3 Nm	0,15 - 0,3 Nm
Group I EN 817 Class A2/A3 NF077	Group I <20 dB	Group I <20 dB	Group I <20 dB	Group I <20 dB	Group I <20 dB

	EN-35 TOP	EX-35 TOP	G-35 TOP	CC-35 TOP	EN-40 TOP
Nut torque/Pitch M1,5	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm
Opening angle	23°	23°	23°	23°	25°
Rotation angle	100°	100°	100°	100°	110°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar
Burst pressure	>50 bar	>50 bar	>50 bar	>50 bar	>50 bar
Life cycle- ASME	1.500.000 cycles	1.500.000 cycles	1.500.000 cycles	1.500.000 cycles	1.500.000 cycles
EN 817 (NF-077 U3)	175.000 cycles	175.000 cycles	175.000 cycles	175.000 cycles	175.000 cycles
GB-18145	210.000 cycles	210.000 cycles	210.000 cycles	210.000 cycles	210.000 cycles
Sensitivity <sup>(1)</sup> (EN 817)	>12°	>12°	>12°	>12°	>12°
Fidelity <sup>(1)</sup> (NF-077)	<5°C	<5°C	<5 °C	<5 °C	<5 °C
Constant 63 °C & 50 °C (6 l/min - 3 l/min)	<4°C - <6°C	<4°C - <6°C	<4°C - <6°C	<4°C - <6°C	<4°C - <6°C
Max. hot water limit	90°C	90 °C	90 °C	90 °C	90 °C
Free flow <sup>(1)</sup>	28 l/min	27,3 l/min	27,7 l/min	26 l/min	44 l/min
Open-close	0,20 - 0,40 Nm	0,20 - 0,40 Nm	0,20 - 0,40 Nm	0,20 - 0,40 Nm	0,2 - 0,4 Nm
Turn left-right	0,20 - 0,40 Nm	0,20 - 0,40 Nm	0,20 - 0,40 Nm	0,20 - 0,40 Nm	0,2 - 0,4 Nm
Group I EN 817 Class A2/A3 NF077	Group I <20 dB	Group I <20 dB	Group I <20 dB	Group I <20 dB	Group I <20 dB

-Hammer test NF-077.

-High temp. pressure test AS-NZS

<sup>(1)</sup> Free flow @ 3 bar

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

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