

Sedal

Diverters



The faucet's heart

Types



Multiway Standard

Multiway diverters allow users to select between multiple water outlets within a single system, providing flexible control over different functions, such as switching between shower heads or other outlets



Multiway Upper Sealing

Multiway upper sealing diverters use an upper sealing shape to control water distribution between multiple outlets. This feature allows extra flexibility in the faucet or shower design process.



Self Return

Self-return diverters automatically switch back to a default outlet when the water is turned off. This ensures a consistent starting position and improves ease of use in everyday operation.

Features

Body materials

High-resistant thermoplastics, brass and stainless steel bodies available.

Different shafts length

Sedal offers a wide range of shafts length that the client can customize depending on its needs. It is also possible to design other shaft geometries.

Diverter functionality

This cartridge fits specially good in bath showers because allows to have two different outlets while keeping slim designs. Mixed water enters inlet 3 and exits either outlet 1 or 2.

Mechanical strength

Increased mechanical strength and robustness for a long life expectancy keeping the user experience at the highest standards.

Customizable

Customizable number and outlet combinations for different applications, and customizable stops.

Surpasses Conventional Durability Standards

Extended life time thanks to a high grade ceramic set made in our Technical Ceramics facilities. The metal lever improves the user perception of quality and precision in a small cartridge.

Multiway Sizes and Outlets

25 mm



35 mm



40 mm



2 Outlets



3 Outlets



4 Outlets



OEM Customization

We offer full OEM customization of diverters, developing solutions from the ground up to meet the specific requirements of each application. Based on customer needs, we can adapt outlet configurations, dimensions, materials, interfaces and functional behavior, including click positions, operating angles and switching concepts.

This flexibility allows each diverter to be precisely integrated into the faucet or shower system, ensuring the right balance between design freedom, performance and user experience.

Technical Specifications

Multiway Diverters

	GD-25 90° M4	GD-25 Brass 180° Left	GD-35 C/D	GD-35 S/D	GD-35 180° 1 Click	GD-35 Brass 90°	GD-35 Brass 180° 1 Click N
General							
Prescribed tightening torque ⁽¹⁾	7 - 8 Nm	10 - 12	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm
Rotation angle	90°	180°	180°	180°	180°	90°	180°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar	1 - 5 bar
Burst pressure	> 35 bar	> 35 bar	30 - 35 bar	30 - 35 bar	> 35 bar	> 35 bar	> 35 bar
Life cycle EN-817: - Diverter	30.000 cycles	200.000 cycles	70.000 cycles	70.000 cycles	30.000 cycles	30.000 cycles	30.000 cycles
- Mixing valve	70.000 cycles		500.000 cycles	500.000 cycles	15.000 cycles	15.000 cycles	15.000 cycles
Max. hot water	90°C	90°C	90°C	90°C	90°C	90°C	90°C
Material	Plastic	Brass	Plastic	Plastic	Plastic	Brass	Brass
Diameter	25 mm	25 mm	35 mm	35 mm	35 mm	35 mm	35 mm
Flow Rate @ 3 bar (DN8)							
Flow rate as a diverter	16,2 l/min	19,9 l/min	24,5 l/min	21,9 l/min	24,9 l/min	28,3 l/min	24,9 l/min
Flow rate as a mixer valve	18,2 l/min		19 l/min	17,5 l/min			
Operation torque without water pressure							
Turn left - right	0,2- 0,4 Nm		0,2- 0,25 Nm	0,22- 0,25 Nm	0,1- 0,25 Nm	0,1- 0,25 Nm	0,1- 0,25 Nm

	GD4-35	GD4-40
General		
Prescribed tightening torque ⁽¹⁾	10 - 12 Nm	10 - 12 Nm
Angle between positions	90° (4 positions)	90° (4 positions)
Rotation angle	360° (full rotation)	360° (full rotation)
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Burst pressure	> 35 bar	> 35 bar
Life cycle: - NF 077	30.000 cycles	30.000 cycles
- EN 817	30.000 cycles	30.000 cycles
Max. hot water	90°C	90°C
Material	Plastic	Plastic
Diameter	35 mm	40 mm
Flow Rate @ 3 bar		
Flow rate	26,5 l/min	28,9 l/min
A-Restrictor	15,5 l/min	17,3 l/min
Operation torque without water pressure		
Turn left - right	0,15- 0,4 Nm	0,15- 0,45 Nm
Positioning click	0,35 - 0,6 Nm	0,35 - 0,6 Nm

Self-return Diverters

	Compact	Sedal
	Compact with Check Valve	USA
General		
Operative	Manual & Automatic	Manual & Automatic
Torque	5 - 6 Nm	5 - 8 Nm
Pressure resistance	Max 8,6 bar	Max 12 bar
Working pressure	0,5 - 4 bar	12 bar
Max. temperature	90 °C	90 °C
Endurance test	> 30.000 cycles	> 30.000 cycles
Actuation force	1,3 bar - ≤ 22 N 3 bar - ≤ 45 N	