Sedal

Headworks

The faucet's heart

Types

Ceramic headworks

Ceramic headworks use ceramic discs to open and close the water flow, providing smooth and precise control. They typically operate with a defined rotation angle, commonly 90° or 180°, allowing quick and controlled opening.

Conventional headworks

Conventional headworks operate with traditional mechanical sealing systems, typically using brass components. They require multiple full turns of the handle between fully closed and fully open positions, resulting in a progressive opening of the water flow.

Features

OEM customization

Sedal offers to the manufacturer the possibility of designing and producing OEM headworks that meet his specific requirements and needs.

Lead free

Chloramine resistant lead free brass body and stem options. Plastic versions are suitable for low-lead applications.

Different shaft lengths

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

Body materials

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

Sizes & Materials

3/8”

1/2”

3/4”

M17

Brass

Stainless Steel

Plastic

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

Ceramic Headwork - Brass

	MC 90° - 1/2"	MC 90° - 1/2" High Flow	MC 90° - 3/8"	MC 90° - 3/4"	MC 90° - M17	MC 180° - 1/2"	MC 180° - 1/2" High flow
General							
Assembly torque	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm	10 - 12 Nm
Rotation angle	90° / -90°	90° / -90°	90° / -90°	90° / -90°	90° / -90°	**180° / -180°**	**180° / -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
Pressure resistance - EN 200 - ASME A112	35 bar	**>25 bar**	**>25 bar**	35 bar	35 bar	35 bar	35 bar
Burst pressure	> 50 bar	> 50 bar	> 50 bar	> 50 bar	> 50 bar	> 50 bar	> 50 bar
Hammer Test		8 - 50 bar	8 - 50 bar				8 - 50 bar
Life cycle - EN 200 - ASME A112	200.000 cycles 500.000 cycles	500.000 cycles	500.000 cycles	200.000 cycles 500.000 cycles	200.000 cycles 500.000 cycles	200.000 cycles 500.000 cycles	500.000 cycles 500.000 cycles
Max. hot water	90 °C	90 °C	90 °C	90 °C	90 °C	90 °C	90 °C
Flow rate @ 3 bar (free flow)	23,9 l/min	**56,5 l/min**	**27,3 l/min**	**25,9 l/min**	23,9 l/min	**17,6 l/min**	DN8: 21,8 l/min DN13: 39,2 l/min
Turn left - right	0,1 - 0,2 Nm	**< 0,1 Nm**	**< 0,1 Nm**	0,1 - 0,2 Nm	0,1 - 0,2 Nm	0,1 - 0,2 Nm	0,1 - 0,2 Nm
Material	Brass	Brass	Brass	Brass	Brass	Brass	Brass
Diameter	1/2	1/2	**3/8**	**3/4**	M17	1/2	1/2

Ceramic Headwork - Stainless Steel

	MC 90° - 1/2"
General	
Assembly torque	10 - 12 Nm
Rotation angle	90° / -90°
Working pressure (recommended)	1 - 5 bar
Pressure resistance ASME A112	35 bar
Burst pressure	> 50 bar
Life cycle - EN 200 - ASME A112	200.000 cycles 500.000 cycles
Max. hot water	90 °C
Flow rate @ 3 bar (free flow)	23,9 l/min
Turn left - right	0,1 - 0,2 Nm
Material	Stainless Steal
Diameter	1/2

Ceramic Headwork - Plastic

	MC 90° - 1/2"	MCP 180° - 1/2"
General		
Assembly torque	8 - 10 Nm	8 - 10 Nm
Rotation angle	90° / -90°	180° / -180°
Working pressure (recommended)	1 - 5 bar	1 - 5 bar
Pressure resistance ASME A112	35 bar	35 bar
Burst pressure	> 50 bar	> 50 bar
Life cycle - EN 200 - ASME A112	200.000 cycles 500.000 cycles	200.000 cycles 500.000 cycles
Max. hot water	90 °C	90 °C
Flow rate @ 3 bar (free flow)	22,4 l/min	23,3 l/min
Turn left - right	0,1 - 0,2 Nm	0,1 - 0,2 Nm
Material	Plastic	Plastic
Diameter	1/2	1/2

Conventional Headwork - Brass

	19MN01 19MN023
General	
Assembly torque	10 - 12 Nm
Working pressure (recommended)	1 - 5 bar
Pressure resistance ASME A112	35 bar
Burst pressure	> 50 bar
Life cycle - EN 200 - ASME A112	200.000 cycles 500.000 cycles
Max. hot water	90 °C
Flow rate @ 3 bar (free flow)	29 l/min
Turn left - right	0,1 - 0,2 Nm
Material	Brass
Diameter	1/2