

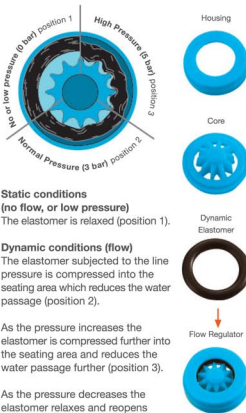
Cherishing water

The flow regulator in Istanbul, Samba 5F and Samba 3F shower systems provides 7 - 8,5 *l/min* flow rate, whereas the standard is 20 *l/min* conserving water by up to 60 %.



Flow regulators are used to maintain a defined flow rate regardless of pressure variations of the supply line. Flow regulators consist of a dynamic elastomer, an engineered circular seating area (core) and a body (housing) in selected models. The gap between the core and the elastomer is open to passage for the water flow. The core openings can be on the inside of the elastomer or on the outside of the elastomer.

Working Principle



Static conditions (no flow, or low pressure)

The elastomer is relaxed (position 1).

Dynamic conditions (flow)

The elastomer subjected to the line pressure is compressed into the seating area which reduces the water passage (position 2).

As the pressure increases the elastomer is compressed further into the seating area and reduces the water passage further (position 3).

As the pressure decreases the elastomer relaxes and reopens the water passage (return to position 2 and 1).