ZEOMEDIA

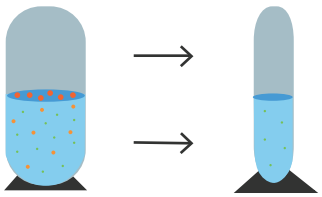
Intelligent filter media

The only refined, chemically pre-rinsed filtration medium in the market

Conventional filtration media generate millions of dollars of costs in maintenance, water and energy

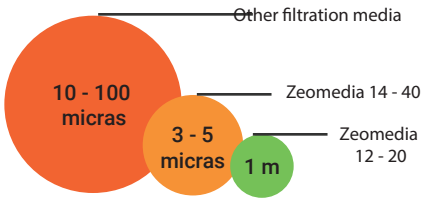
ZEOMEDIA PREMIUMis the only highly efficient filtration medium that reduces operational costs by up to 50%

Reduced operation and maintenance costs



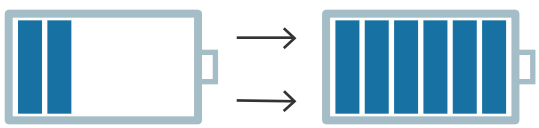
Double the flow rate → 50% less filtration area
60% less material
10x more surface area
Reduces turbidity and SDI by up to 70%

Better filtration quality



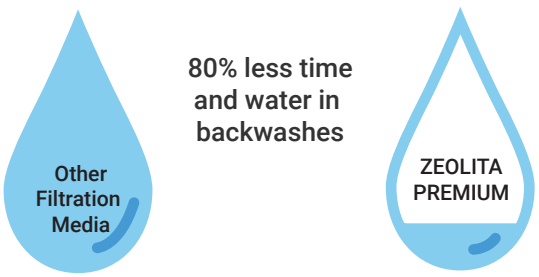
Retains particles of up to 1 micron
30% more purity than silica sand

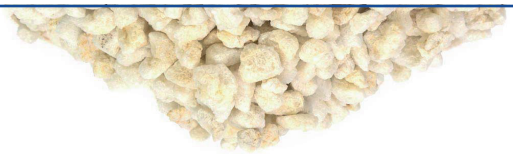
More resistance and duration



50% less deterioration
3x greater lifetime

More water savings





Mision

We aim to help our clients to be more sustainable.

Experience

More than 14 years in the market.
More tha 37,000 filters installed.
more than 32,000 cubic meters of water/filter saved

Quality

NSF/ANSI 60 and UNE - EN16070 Certified.

Our Products

ZEOMEDIA 14 - 40

Removal of particles of up to 1 micron.

Application: Reverse Osmosis Systems, Ground and municipal network water filtration.

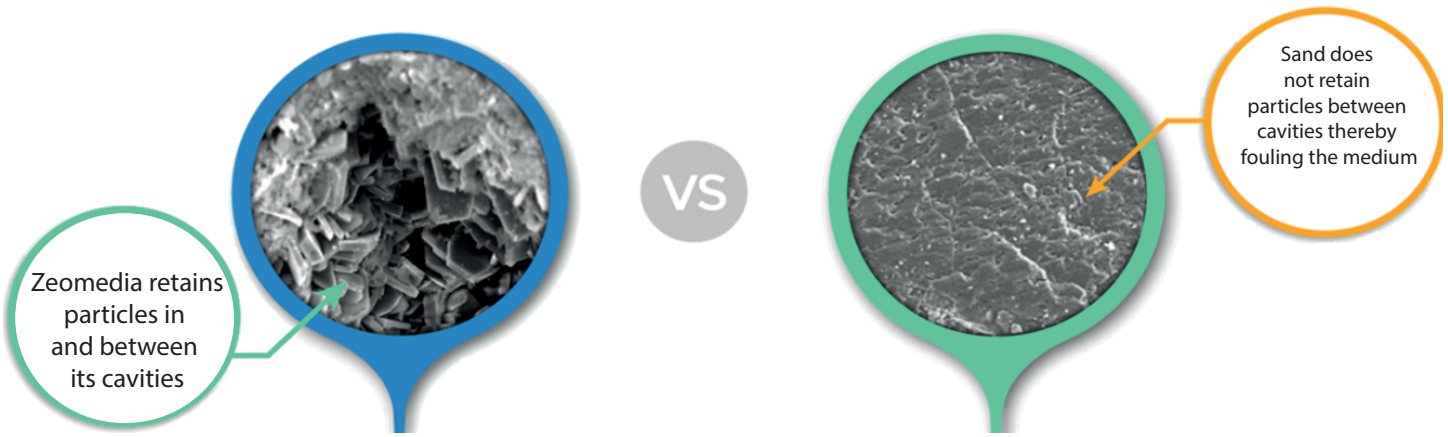
ZEOMEDIA 12 - 20

Removal of particles of up to 4 micron
Greater lifetime.

Application: Surface water and pool water filtration; Rainwater filtration; Wastewater tertiary filtration.

How do we achieve this?

COMPARING SAND VS. ZEOMEDIA:



¿Interested? Deiscover the new technological paradigm for filtration

Zeomedia | Intellillent filter media

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Technical specifications:

Physical-chemical features

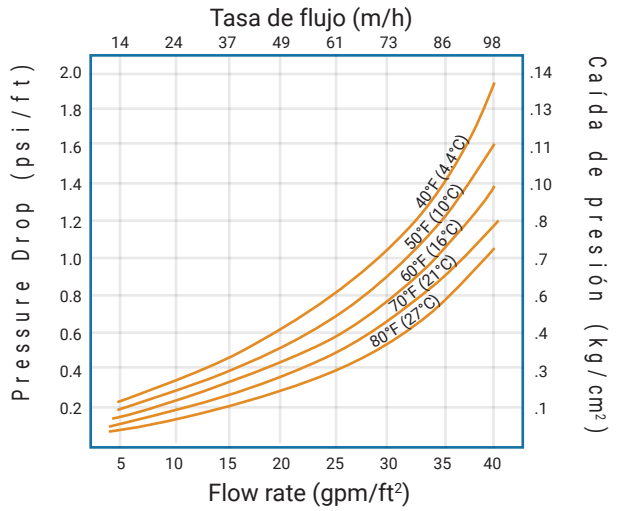
	STANDARD	ZEOMEDIA 12 - 20	ZEOMEDIA 14 - 40
Volumetric weight	ASTM D7263-09	690 - 780 kg/m^3	690 - 730 kg/m^3
Effective mesh size range	ASTM D1921-18	8 - 20	14 - 40
Uniformity coefficient	ASTM D1921-18	1.48	1.27
Material below the mesh	ASTM D1921-18	2% max	2% max
Disintegrable material by weight	Zeomex METHOD	3.5 %	3.5%
Grain firmness	Texturómeto TVT	79	77.4
Surface Area	Method BET	35 - 40 m^2/g	35 - 40 m^2/g
Clinoptilolite	X ray difraction	75 - 83%	75 - 83%
Clay	X ray difraction	3% max	3% max

Operational Parameters

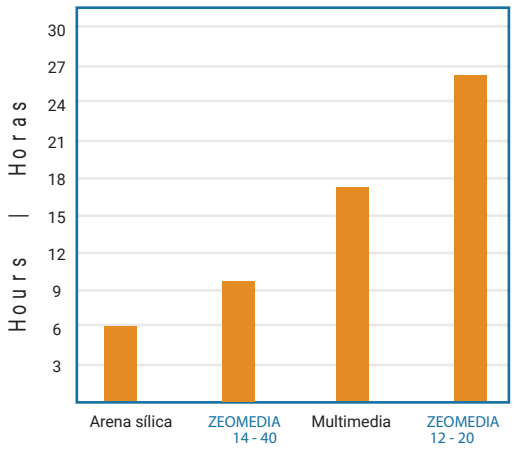
	ZEOMEDIA 12 - 20	ZEOMEDIA 14 - 40
Flow rate	8 - 20 gpm/ft^2 20 - 50 m*h	10 - 12 gpm/ft^2 26 - 32 m*h
Maximum flow rate	20 gpm/ft^2 50 m*h	20 gpm/ft^2 50 m*h
Backwash flow	15 - 20 gpm/ft^2 37 - 50 m*h	15 - 20 gpm/ft^2 37 - 50 m*h
Expansion Height	50%	50%
Bed height	30' - 48' pg 0.76 - 1.22 m	30' - 48' pg 0.76 - 1.22 m
Maximum pressure	45 psi	45 psi
Differential pressure for water filter	10 - 15 psi	10 - 15 psi

	Sand	Multimedia	ZEOMEDIA
Loading Capacity	1	1.6	2.4
Particle size (micron)	25 - 100	12 - 15	1 - 3
Filtration rate (gpm/ft²)	3 - 6	3 - 6	8 - 15
Surface area	2 - 4	2 - 4	35 - 40

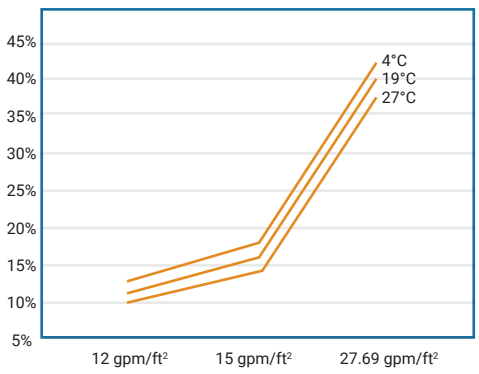
Pressure Drop vs Flow — Caída de presión vs Flujo



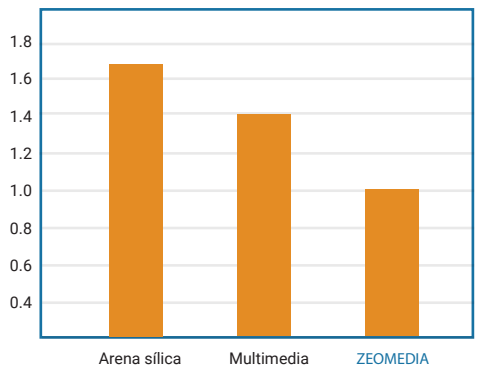
Filtration stroke duration — Duración de carreara de filtración



Bed expantion — Expansión de la cama



Capital cost — Costo de capital



Trust in the quality and capacity of ZEOMEDIA and take the next step in filtration technology

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