

NW40

High Calibration Technology
TDS - Technical Data Sheet

The efficiency of NW40 is based on the elimination of the most common particles you can find in a swimming pool or industrial installation that make the water go misty. This simultaneously maximizes savings and efficiency. We achieve this thanks to a highly selected grain curve and to a surface treatment technology of the grains, which allows us to avoid Biofilm and keep the microchannels open.

PERFORMANCE



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EFFICIENCY



Energy and Water savings. The Anti-Compaction Technology® has been designed to keep the micro channels that form in the filtering mass open, so pressure loss is negligible.

DURABILITY



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POOL INDUSTRY

BED LAYER STAGE 0

STAGE 1

STAGE 2

STAGE 3

Description

High-Calibration technical glass for water filtration. To be used with a 40% Bed Layer.

Composition

SiO₂(74%), Na₂O(13%), CaO(10.5%), Al₂O₃(1.3%), K₂O(0.3%), SO₃(0.2%), MgO(0.2%), Fe₂O₃(0.04%), TiO₂ (0.01%)

Colour

Multicoloured glass

Particle Density

2.490 kg/m³

Bulk Density

1.290 kg/m³

1.335 kg/m³

1.345 kg/m³

1.370 kg/m³

Granulometry

1,5 - 2,5 mm

0,6 - 1,2 mm

0,4 - 1 mm

0,3 - 0,6 mm

Format

20 kg. recyclable paper bag in 3 layers with a UV-resistant layer of PE / 1000 kg Bulk Bag

Precautions

Do not ingest

Incompatibilities

None detected

Installation

Substitute the filtering mass for a 40% of Bed Layer and 60% of selected STAGE 1, 2 or 3 grain curve. Proceed to a 5 minute backwash

Recommendations

Required quantities of NW40 Glass filter Media as specified by the filter manufacturer (20% less weight than quartz sand needed). Before filling your filter, check the state of the collectors very carefully and preferably substitute them.

Maximum admissible flow rate

220 m³/h/m²

90 m³/h/m²

70 m³/h/m²

40 m³/h/m²

Typical working flow rate

between 40 and 90 m³/h/m²

between 15 and 50 m³/h/m²

between 5 and 50 m³/h/m²

between 2,5 and 20 m³/h/m²

Optimum air flow injection

N/A

40 m³/h/m²

40 m³/h/m²

Do not use air injection

Optimum flow for backwashing

30 m³/h/m²

30 m³/h/m²

30 m³/h/m²

20 m³/h/m²

NW40
HIGHLY CONTROLLED GLASS FILTER MEDIA