



Polyphosphate
Anti-scale System
Filter Housing
Self-Cleaning Filter



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Setting new quality standards

## Hard water problem











## How it works



CaCO, Calcium carbonate



MgCO<sub>3</sub> Magnesium carbonate



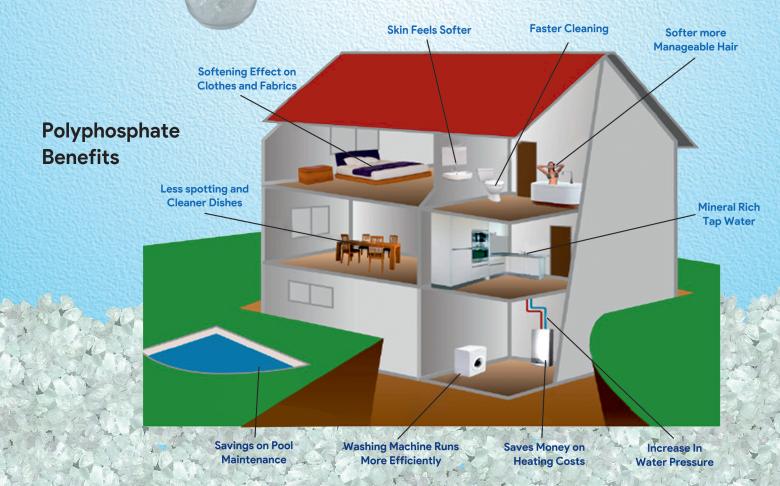
P.O. Polyphosphate



Energy consumption/Efficiency



The method is based on the polyphosphate technology. When water passes through the cartridge, the polyphosphate treatment prevents the formation of calcium carbonate encrustation by acting upon its crystallization, without affecting the hardness of water.



## **All round Protection - Polyphosphate Filter**





## Installation







# **Technical Specification**

| Application                    | Model           | Housing<br>Size (Inch) | Polyphosphate<br>(gm) | Connection (Inch) | Flow<br>(LPH) | Max. Working<br>Pressure (bar) | Dimensions (mm) |     |     |
|--------------------------------|-----------------|------------------------|-----------------------|-------------------|---------------|--------------------------------|-----------------|-----|-----|
|                                |                 |                        |                       |                   |               |                                | Н               | D   | W   |
| Hotel, Hospital<br>& Apartment | UPVC 40 X 5/9   | 49                     | 12500/22500           | 4                 | 20000         | 4 (58 PSI)                     | 1245            | 570 | 565 |
|                                | UPVC 30 X 5/9   | 39                     | 9000/16200            | 3                 | 18000         | 4 (58 PSI)                     | 995             | 570 | 565 |
| Whole House<br>& Bungalow      | UPVC 20 X 5     | 28                     | 4500                  | 2                 | 8000          | 4 (58 PSI)                     | 715             | 455 | 455 |
|                                | UPVC 10 X 5     | 18                     | 2500                  | 2                 | 5000          | 4 (58 PSI)                     | 465             | 455 | 455 |
|                                | DP BIG MONO     | 20                     | 1000                  | 1.5               | 3500          | 8 (116 PSI)                    | 617             | 190 | 185 |
| Tenament or Flat               | DP 20 MONO      | 20                     | 800                   | 3/4   1           | 2000          | 8 (116 PSI)                    | 577             | 122 | 107 |
| Full Bathroom                  | DP 10 MONO      | 10                     | 600                   | 3/4   1           | 1500          | 8 (116 PSI)                    | 325             | 122 | 107 |
|                                | DOSAFOS SENIOR  | 10                     | 1550                  | 3/4   1           | 3000          | 8 (116 PSI)                    | 315             | 133 | 130 |
| Storage Water Heater           | DOSAFOS SENIOR  | 10                     | 1550                  | 3/4   1           | 3000          | 8 (116 PSI)                    | 315             | 133 | 130 |
| Commercial RO                  | DOSAPROP SENIOR | 10                     | 1550                  | 1                 | 3000          | 8 (116 PSI)                    | 321             | 145 | 130 |
| <b>Bathroom Geyser</b>         | DOSAFOS MIGNON  | 7                      | 265                   | 1/2               | 500           | 8 (116 PSI)                    | 176             | 94  | 89  |
| Domestic RO                    | DOSAPROP MIGNON | 7                      | 265                   | 1/2               | 500           | 8 (116 PSI)                    | 176             | 94  | 89  |
| <b>Washing Machine</b>         | DOSAL           | 5                      | 160                   | 3/4               | 500           | 7 (101 PSI)                    | 130             | 68  | 68  |
| Self-Cleaning<br>Filters       | HYDRA           | 10                     |                       | 1   1.5           | 8000          | 8 (116 PSI)                    | 415             | 120 | 107 |
|                                | HYDRA DUO       | 10                     |                       | 1                 | 2500          | 8 (116 PSI)                    | 390             | 228 | 107 |
|                                | HYDRA BIG       | 10                     |                       | 1.5               | 15000         | 8 (116 PSI)                    | 500             | 190 | 185 |

- It is advisable to install additional pre-filter prior to the Polyphosphate filter for better performance.
- It is mandatory to replace Polyphosphate Cartridge or Polyphosphate Crystal after every six month.

#### **Certifications**















# **BENCHMARK**<sup>®</sup>

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