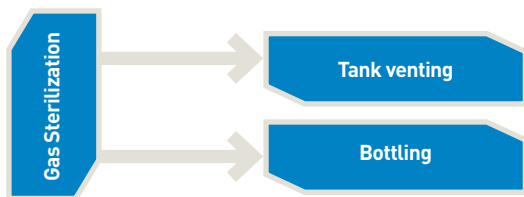
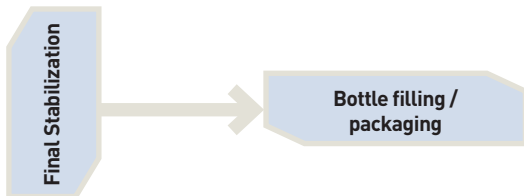
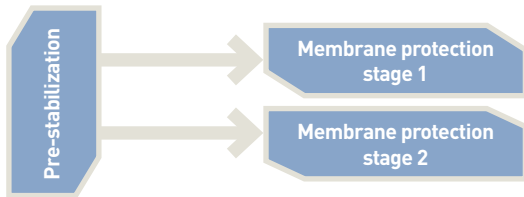
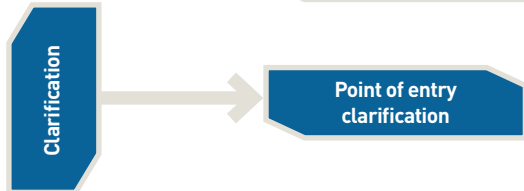
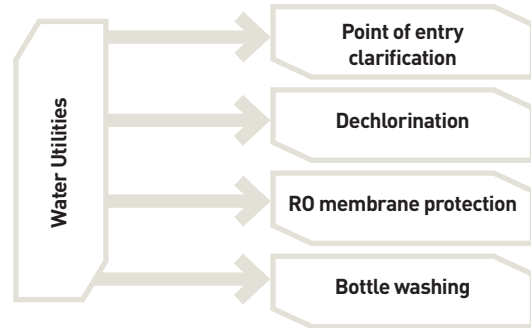


Selection matrix



| | PARMAX / MAXGUARD | PROPLEAT | PEPLYN PLUS | CARBOFLOW MX | PEPLYN HD | PEPLYN HA | PREPOR PP | PREPOR NG | BEVPOR PS / MS | BEVPOR PW / MW | BEVPOR PH / MH | BEVPOR WG | BEVPOR MS | HIGH FLOW BIO-X | HIGH FLOW TETPOR II |
|--|-------------------|----------|-------------|--------------|-----------|-----------|-----------|-----------|----------------|----------------|----------------|-----------|-----------|-----------------|---------------------|
| Water Utilities - Point of entry clarification | 1 | 3 | 2 | | | | | | | | | | | | |
| Water Utilities - Dechlorination | P | P | | 1 | | | | | | | | | | | |
| Water Utilities - RO membrane protection | 3 | 2 | 1 | | | | | | | | | | | | |
| Water Utilities - Bottle washing | | | P | | | | | | | | | 2 | 1 | | |
| Clarification - Point of entry clarification | 3 | | | | 2 | 1 | | | | | | | | | |
| Pre-stabilization - Membrane protection stage 1 | | | 2 | | | 1 | | | | | | | | | |
| Pre-stabilization - Membrane protection stage 2 | | | | | | P | 2 | 1 | | | | | | | |
| Final Stabilization - Bottle filling / packaging | | | | | | | | P | 3 | 2 | 1 | | | | |
| Gas Sterilization - Tank venting | | | | | | | | | | | | | | 2 | 1 |
| Gas Sterilization - Bottling | | | | | | | | | | | | | | 2 | 1 |

Clarification

PEPLYN HD



Polypropylene

5, 10, 15 micron

- Graded density and increased depth resulting in high dirt holding capacity
- Ideally suited to high volume, forward flow processes

PEPLYN HD has been developed using graded pore density depth polypropylene media for clarification of bottled water. The PEPLYN HD has outstanding particulate holding capacity through its multi-layer depth construction providing optimized filtration for bottled water with high particulate loading and size distribution.

PEPLYN HA



Polypropylene

5, 10, 15 micron

- Graded density results in high dirt holding capacity
- Optimized pleat configuration maximizes backwash efficiency

PEPLYN HA filters have been specially designed to capture particles on the surface of the media so that they can be easily removed through backwash, therefore, allowing easy regeneration and long service lifetimes. The high area filter media will return high water flow, whilst providing an absolute retention to solid particulate.

Pre-stabilization

PREPOR NG



Polypropylene

0.5 - 1.0

- Validated reduction of regulated organisms
- Graded density construction for increased retention and throughput
- Strong, pleated polypropylene construction for chemical CIP

Combining a superior level of microbial retention with a strong and robust construction to withstand frequent CIP, PREPOR NG filters represent the optimum choice for membrane protection and tank transfer operations.

PREPOR PP



Polypropylene

0.6 - 1.0 micron

- Bacterial reduction
- Strong, pleated polypropylene construction for CIP

PREPOR PP filter cartridges will significantly reduce the numbers of bacteria from beverage products, to provide extremely cost effective prefiltration.

Final stabilization

BEVPOR PS / MS



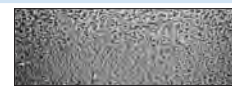
Polyethersulphone

0.2 and 0.45 micron

- Validated microbial retention for effective stabilization
- 0.6m² filtration area

BEVPOR PS filters have been validated against typical bottled water spoilage organisms. Combined with easy integrity testing, the filters ensure the effective microbial stabilization of bottled water. The advanced polyethersulphone membrane has been configured to provide high flow and cost-effective performance throughout the range of grades.

BEVPOR PW / MW



Polyethersulphone

0.2 and 0.45 micron

- Validated microbial retention for effective stabilization
- 0.6m² filtration area
- Integral prefilter layer

BEVPOR PW filters have been validated against typical bottled water spoilage organisms. Combined with easy integrity testing, the filters ensure the effective microbial stabilization of bottled water. The advanced polyethersulphone membrane in conjunction with the integral prefilter layer provides extended service life to blockage and improved filtration economics.

BEVPOR PH / MH



Polyethersulphone

0.2 and 0.45 micron

- Validated microbial retention for effective stabilization
- High filtration area - 0.8m²
- Integral prefilter layer

BEVPOR PH filters have been validated against typical bottled water spoilage organisms. Combined with easy integrity testing, the filters ensure the effective microbial stabilization of bottled water. The advanced, high area polyethersulphone membrane in conjunction with the integral prefilter layer will provide maximum service life to blockage and the optimum solution for bottled water stabilization.

Air / Gas filtration

HIGH FLOW BIO-X



PTFE Impregnated Glass Fibre

0.01 micron sterilizing

- 94% voids volume PTFE impregnated glass fibre
- Exceptional flow rates with low pressure drops
- Integrity testable by aerosol challenge

HIGH FLOW BIO-X combines proven depth filter technology and a pleated construction to provide retention down to 0.01 micron in gas. Flow rates typically 2-3 times that of membrane filters make HIGH FLOW BIO-X the filter that can dramatically reduce cartridge usage and installation size within the fermentation, food and beverage industries.

HIGH FLOW TETPOR II



Polypropylene Expanded PTFE

0.01 - 0.2 micron

- Assured biosecurity with absolute rated filtration
- High flow rates with low pressure drops
- High voids volume PTFE membrane

HIGH FLOW TETPOR II sterilization filter cartridges offer exceptional filtration performance whilst providing the highest levels of biosecurity throughout the process industry. Operating at ambient temperature conditions, HIGH FLOW TETPOR II filter cartridges provide a cost effective filtration solution.

Water treatment

PROPLEAT



Polypropylene

1.0 – 10 micron

- Economical solution to particle removal

PROPLEAT filters have been developed to bridge the gap between meltblown depth filters and absolute pleated media filters. The all polypropylene construction exhibit 99% efficiency at their given retention rating, providing consistent and economical clarification in a diverse range of applications.

PARMAX



Polypropylene

1 – 20 micron

- Large diameter filtration for high flow rates and high capacity
- Absolute retention ratings for critical filtration

PARMAX filters offer the optimum solution to bulk water treatment where costs of equipment space are at a high premium. The use of PARMAX large diameter cartridge and housing offers a smaller footprint which is advantageous. The cartridges are available in absolute micron ratings from 1 to 20 microns.

PEPLYN PLUS



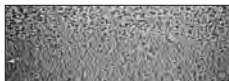
Polypropylene

0.6 – 25 micron

- Absolute particle retention at a range of micron grades
- Strong, pleated polypropylene construction designed for chemical CIP

PEPLYN PLUS filters are utilized for the clarification and pre-stabilization of a wide range of liquids for the food and beverage industry.

BEVPOR WG



Polyethersulphone

0.2 micron

- Validated microbial removal against water borne bacteria

BEVPOR WG filters utilize a pleated PES membrane to remove bacterial contamination from water, ensuring the water supply entering the facility is of a safe standard to reduce the risk of biofilm formation / product spoilage.

BEVPOR MS



Polyethersulphone

0.2 micron

- Validated microbial removal against waterborne bacteria
- Integrity testable

BEVPOR MS filters utilize a pleated PES membrane to remove bacterial contamination from water, ensuring the water supply entering the facility is of a safe standard to reduce the risk of biofilm formation / product spoilage. Added security is ensured through ease of repeat integrity testing.

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