

SUPRApak™ Plus PZ Series

For a Wide Range of Food and Beverage Applications

Pall's SUPRApak Plus PZ module series is a unique combination of Pall's SUPRApak Plus design for sheet based modules and a pure cellulose depth filter sheet media for food and beverage applications. The filter has been designed to give excellent filtration performance and lower filtration costs.

Description

The SUPRApak Plus PZ series combines a 100% cellulose depth filter sheet matrix and Pall's SUPRApak design with the unique "edge flow" principle. The Seitz® ZD Media used to produce the SUPRApak PZ modules was developed to meet the need of the food and beverage industry for filter sheet media, based on 100% pure cellulose fiber matrix material without any content of diatomaceous earth (DE) or Perlite. SUPRApak Plus PZ filter modules are available in multiple grades for fine filtration and clarifying filtration in various food and beverage applications.

Features

100% pure cellulose depth filter media: no inorganic components

Highly fibrillated cellulose fiber matrix

SUPRApak design "edge flow" Technology

Benefits

- Very low impact on color and flavor
- Very high purity, low extractables, low ion release
- Up to 50% less water consumption for conditioning and regeneration

- Very strong filtration media
- Easy to regenerate
- High hold up volume for long filtration cycles
- Very good particle reduction

- Optimized use of depth filter matrix
- Very high filtration area per module
- Compact module design
- Enabling enclosed, more hygienic sheet filtration



SUPRApak Plus PZ Series Module

Applications

Grade	Application
SUPRApak PZ 5200 SUPRApak PZ 5300	<ul style="list-style-type: none"> • Reduction of fine particles • Filtration of beverages and liquid food that require very high clarity and very high particle removal capacity at lowest possible color and aroma stripping
SUPRApak PZ 5500 SUPRApak PZ 5900	<ul style="list-style-type: none"> • Polishing filtration of beverages such as wine, beer, distilled spirits, fruit juices, flavors, and liquid food • Filtration/ de-watering of high quality olive oil or citrus oil

Materials of Construction

Component	Description
Sheet media	Resin-bonded cellulose
Center core	Polypropylene
Sealing line	Polypropylene

Conditioning

Prior to use, it is recommended to rinse the filter with clean water at ambient temperature with > 50 L/m².

Regeneration¹

SUPRApak PZ filter modules may be rinsed with clean water **only in forward direction** to optimize total throughput and economic efficiency. Optimal regeneration may be achieved with several rinses of cold water followed by warm water. An example protocol is shown below.

- Rinse with cold water (ambient temperature) for 5 min.
- Rinse with warm water (max. 60 °C /140 °F) for 10 min.

Rinsing flow rate should be max. 1½ of the filtration flow rate with a counter pressure of 0.5-1 bar (7.2-14.5 psi).

¹ Avoid any backpressure as it destroys the module. Water used for forward flow flushing should be particle-free, and if the filter will not be sterilized prior to use, the water should be free of microorganisms. The actual time required may vary as a function of the process conditions. Please contact Pall for recommendations on your specific filtration process as results may vary by product, pre-filtration and filtration conditions.

Recommended Flow Rates and Differential Pressure

Please contact Pall to calculate correct sizing for your process and filtration needs.

Available SUPRApak Formats

Module Size

SUPRApak PZ M	12"
SUPRApak PZ S	7.5"

Quality

SUPRApak PZ Filters are manufactured according to ISO 9001:2015 certified Quality Management System.

Food Contact Compliance

Please refer to the Pall website www.pall.com/foodandbev for a Declaration of Compliance to specific National Legislation and/or Regional Regulatory requirements for food contact use.

Ordering Information

PZ	5200	M	W
Sheet Media Range	Media Type	Size (Diameter)	Regulatory
ZD	5200	M = 12"	Food Contact Compliance
	5300	S = 7.5"	
	5500		
	5900		

Example part number: PZ 5200 M W

Seitz ZD media, 5200 media, 12" diameter. Material is food contact compliant ("W").

SAP Ordering Code	Material Description
5302798/S	SUPRApak PZ 5200 SW
5302804/S	SUPRApak PZ 5300 SW
5302805/S	SUPRApak PZ 5500 SW
5302806/S	SUPRApak PZ 5900 SW
5302798/M	SUPRApak PZ 5200 MW
5302804/M	SUPRApak PZ 5300 MW
5302805/M	SUPRApak PZ 5500 MW
5302806/M	SUPRApak PZ 5900 MW



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Visit us on the Web at www.pall.com/foodandbev

Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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