



# SPX SERIES

Polyester Pleated Cartridges  
Data Sheet

- Manufactured from durable Polyester.
- Made with FDA CFR 21 approved material.
- Bacteria and chemical resistant.
- Washable and reusable.
- NSF standard 42, 61 & 372 certified
- FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.



This filter cartridge is tested and certified by NSF International to NSF/ANSI Standard 42 for material requirements only and NSF/ANSI/CAN 61, NSF/ANSI 372.

COMPONENT

**HYDROSCIENTIFIC™ SPX SERIES POLYESTER PLEATED CARTRIDGES** are manufactured from durable polyester to provide you with a superior pleated cartridge that is washable and reusable. The Polyester media is pleated around a Polypropylene core for added strength and the ends are immersed in a thermosetting Vinyl Plastisol which fuses the three components together forming a unified end cap and gasket. The cartridges are bacteria and chemical resistant and provide great dirt holding capacity to extend the time between cartridge change outs.

**HYDROSCIENTIFIC™ SPX SERIES POLYESTER PLEATED CARTRIDGES** are made with 100% pure polypropylene and are free of surfactants, detergents and anti-static agents. SPX series filter cartridges do not impart any substances into water which are known to or can cause adverse health effects to humans.

SPX SERIES - 2.75" POLYESTER PLEATED CARTRIDGE SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SPX-275-100.35	2.75" x 9.875"	0.35	40	13" x 11" x 21"	14	6.35
	SPX-275-1001	2.75" x 9.875"	1	40	13" x 11" x 21"	14	6.35
	SPX-275-1001A	2.75" x 9.875"	1	40	13" x 11" x 21"	14	6.35
	SPX-275-1005	2.75" x 9.875"	5	40	13" x 11" x 21"	14	6.35
	SPX-275-1010	2.75" x 9.875"	10	40	13" x 11" x 21"	14	6.35
	SPX-275-1020	2.75" x 9.875"	20	40	13" x 11" x 21"	14	6.35
	SPX-275-1030	2.75" x 9.875"	30	40	13" x 11" x 21"	14	6.35
	SPX-275-1050	2.75" x 9.875"	50	40	13" x 11" x 21"	14	6.35
19.5"	SPX-275-10100	2.75" x 9.875"	100	40	13" x 11" x 21"	14	6.35
	SPX-275-1950.35	2.75" x 19.5"	0.35	20	13" x 11" x 21"	14	6.35
	SPX-275-19501	2.75" x 19.5"	1	20	13" x 11" x 21"	14	6.35
	SPX-275-19501A	2.75" x 19.5"	1	20	13" x 11" x 21"	14	6.35
	SPX-275-19505	2.75" x 19.5"	5	20	13" x 11" x 21"	14	6.35
	SPX-275-19510	2.75" x 19.5"	10	20	13" x 11" x 21"	14	6.35
	SPX-275-19520	2.75" x 19.5"	20	20	13" x 11" x 21"	14	6.35
	SPX-275-19530	2.75" x 19.5"	30	20	13" x 11" x 21"	14	6.35
20"	SPX-275-19550	2.75" x 19.5"	50	20	13" x 11" x 21"	14	6.35
	SPX-275-195100	2.75" x 19.5"	100	20	13" x 11" x 21"	14	6.35
	SPX-275-200.35	2.75" x 20"	0.35	20	13" x 11" x 21"	14	6.35
	SPX-275-2001	2.75" x 20"	1	20	13" x 11" x 21"	14	6.35
	SPX-275-2001A	2.75" x 20"	1	20	13" x 11" x 21"	14	6.35
	SPX-275-2005	2.75" x 20"	5	20	13" x 11" x 21"	14	6.35
	SPX-275-2010	2.75" x 20"	10	20	13" x 11" x 21"	14	6.35
	SPX-275-2020	2.75" x 20"	20	20	13" x 11" x 21"	14	6.35
20"	SPX-275-2030	2.75" x 20"	30	20	13" x 11" x 21"	14	6.35
	SPX-275-2050	2.75" x 20"	50	20	13" x 11" x 21"	14	6.35
	SPX-275-20100	2.75" x 20"	100	20	13" x 11" x 21"	14	6.35



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SPX SERIES - 2.75" POLYESTER PLEATED CARTRIDGE SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
29.25"	SPX-275-292.35	2.75" x 29.25"	0.35	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29201	2.75" x 29.25"	1	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29201A	2.75" x 29.25"	1	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29205	2.75" x 29.25"	5	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29210	2.75" x 29.25"	10	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29220	2.75" x 29.25"	20	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29230	2.75" x 29.25"	30	20	13" x 11" x 31"	23.1	10.48
	SPX-275-29250	2.75" x 29.25"	50	20	13" x 11" x 31"	23.1	10.48
SPX-275-292100	2.75" x 29.25"	100	20	13" x 11" x 31"	23.1	10.48	
30"	SPX-275-300.35	2.75" x 30"	0.35	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3001	2.75" x 30"	1	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3001A	2.75" x 30"	1	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3005	2.75" x 30"	5	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3010	2.75" x 30"	10	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3020	2.75" x 30"	20	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3030	2.75" x 30"	30	20	13" x 11" x 31"	23.1	10.48
	SPX-275-3050	2.75" x 30"	50	20	13" x 11" x 31"	23.1	10.48
SPX-275-30100	2.75" x 30"	100	20	13" x 11" x 31"	23.1	10.48	
39"	SPX-275-390.35	2.75" x 39"	0.35	20	13" x 11" x 41"	26	11.80
	SPX-275-3901	2.75" x 39"	1	20	13" x 11" x 41"	26	11.80
	SPX-275-3901A	2.75" x 39"	1	20	13" x 11" x 41"	26	11.80
	SPX-275-3905	2.75" x 39"	5	20	13" x 11" x 41"	26	11.80
	SPX-275-3910	2.75" x 39"	10	20	13" x 11" x 41"	26	11.80
	SPX-275-3920	2.75" x 39"	20	20	13" x 11" x 41"	26	11.80
	SPX-275-3930	2.75" x 39"	30	20	13" x 11" x 41"	26	11.80
	SPX-275-3950	2.75" x 39"	50	20	13" x 11" x 41"	26	11.80
SPX-275-39100	2.75" x 39"	100	20	13" x 11" x 41"	26	11.80	
40"	SPX-275-400.35	2.75" x 40"	0.35	20	13" x 11" x 41"	26	11.80
	SPX-275-4001	2.75" x 40"	1	20	13" x 11" x 41"	26	11.80
	SPX-275-4001A	2.75" x 40"	1	20	13" x 11" x 41"	26	11.80
	SPX-275-4005	2.75" x 40"	5	20	13" x 11" x 41"	26	11.80
	SPX-275-4010	2.75" x 40"	10	20	13" x 11" x 41"	26	11.80
	SPX-275-4020	2.75" x 40"	20	20	13" x 11" x 41"	26	11.80
	SPX-275-4030	2.75" x 40"	30	20	13" x 11" x 41"	26	11.80
	SPX-275-4050	2.75" x 40"	50	20	13" x 11" x 41"	26	11.80
SPX-275-40100	2.75" x 40"	100	20	13" x 11" x 41"	26	11.80	

SPX SERIES - 4.5" POLYESTER PLEATED CARTRIDGE SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SPX-45-100.2A	4.5" x 9.875"	0.2	12	14" x 10" x 21"	12	5.44
	SPX-45-100.35	4.5" x 9.875"	0.35	12	14" x 10" x 21"	12	5.44
	SPX-45-1001	4.5" x 9.875"	1	12	14" x 10" x 21"	12	5.44
	SPX-45-1001A	4.5" x 9.875"	1	12	14" x 10" x 21"	12	5.44
	SPX-45-1005	4.5" x 9.875"	5	12	14" x 10" x 21"	12	5.44
	SPX-45-1010	4.5" x 9.875"	10	12	14" x 10" x 21"	12	5.44
	SPX-45-1020	4.5" x 9.875"	20	12	14" x 10" x 21"	12	5.44
	SPX-45-1030	4.5" x 9.875"	30	12	14" x 10" x 21"	12	5.44
	SPX-45-1050	4.5" x 9.875"	50	12	14" x 10" x 21"	12	5.44
	SPX-45-10100	4.5" x 9.875"	100	12	14" x 10" x 21"	12	5.44
20"	SPX-45-200.35	4.5" x 20"	0.35	6	14" x 10" x 21"	9	4.08
	SPX-45-2001	4.5" x 20"	1	6	14" x 10" x 21"	9	4.08
	SPX-45-2001A	4.5" x 20"	1	6	14" x 10" x 21"	9	4.08
	SPX-45-2005	4.5" x 20"	5	6	14" x 10" x 21"	9	4.08
	SPX-45-2010	4.5" x 20"	10	6	14" x 10" x 21"	9	4.08
	SPX-45-2020	4.5" x 20"	20	6	14" x 10" x 21"	9	4.08
	SPX-45-2030	4.5" x 20"	30	6	14" x 10" x 21"	9	4.08
	SPX-45-2050	4.5" x 20"	50	6	14" x 10" x 21"	9	4.08
SPX-45-20100	4.5" x 20"	100	6	14" x 10" x 21"	9	4.08	

\*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# SPX SERIES

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Data Sheet

SPX SERIES - 2.75" FLOW RATES							
Microns	2.75" x 9.875"	2.75" x 19.5"	2.75" x 20"	2.75" x 29.25"	2.75" x 30"	2.75" x 39"	2.75" x 40"
1	4	8	8	25	25	25	25
5	7	14	14	25	25	25	25
10	7	14	14	25	25	25	25
20	8	16	16	25	25	25	25
30	8	16	16	25	25	25	25
50	10	20	20	30	30	40	40
100	12	24	24	35	35	46	46

SPX SERIES - 4.5" FLOW RATES		
Microns	4.5" x 9.875"	4.5" x 20"
1	15	30
5	20	40
10	20	40
20	20	40
30	20	40
50	20	40
100	25	50

Flow Rates in gpm.

## MODEL # GUIDE

SPX-45-100.2A

Outside Diameter      Length      Retention Rating

**LEGEND**

Outside Diameter: 275 = 2.75"	Micron: 0.2 = 0.2 Micron	Retention Rating: A = Absolute
45 = 4.5"	0.35 = 0.35 Micron	
Length: 10 = 9.875"	01 = 1 Micron	
19 = 19.5"	05 = 5 Micron	
20 = 20"	10 = 10 Micron	
292 = 29.25"	20 = 20 Micron	
30 = 30"	30 = 30 Micron	
39 = 39"	50 = 50 Micron	
40 = 40"	100 = 100 Micron	

## MATERIALS OF CONSTRUCTION

Filter Media: Non-woven Polyester  
End Caps: Vinyl Plastisol  
Core: Polypropylene

**WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

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\* For the complete list of our NSF Certified products, please visit the Hydronix Water Technology page on the official NSF website: [www.nsf.org](http://www.nsf.org)



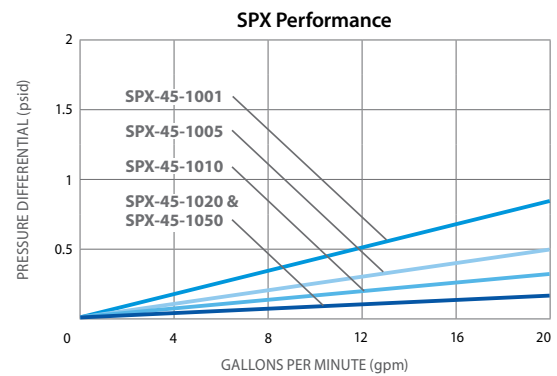
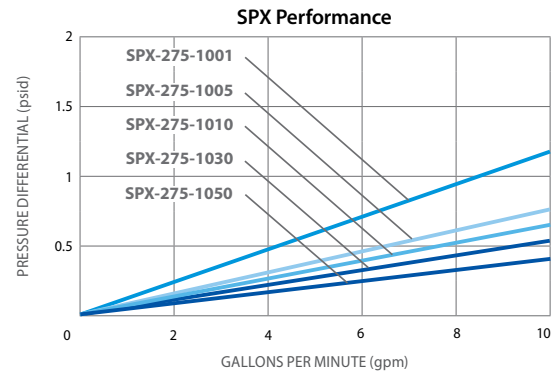
P.O. Box 2235 Chino Hills, CA 91709 | USA  
sales@hydronixwater.com

## OPERATIONAL DATA

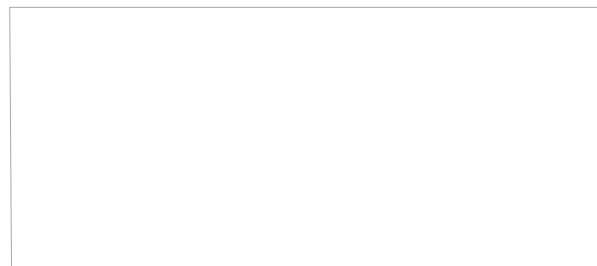
Temperature Range: 40 °F to 125 °F (4.4 °C to 51.7 °C)

## RECOMMENDED CHANGEOUT

Differential Pressure: 30 psid (2.07 bar)



## DISTRIBUTED BY:



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