



## 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.
- 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.



**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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	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: 45 | Length: 10 | Retention Rating: 0.2A

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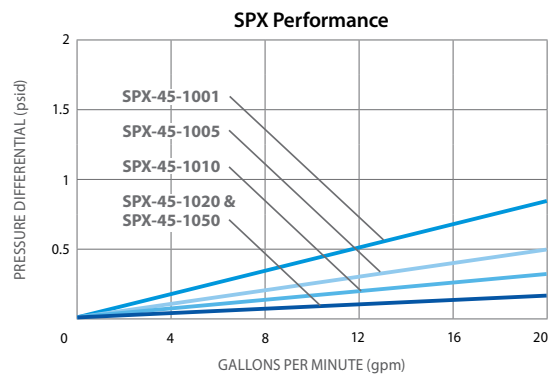
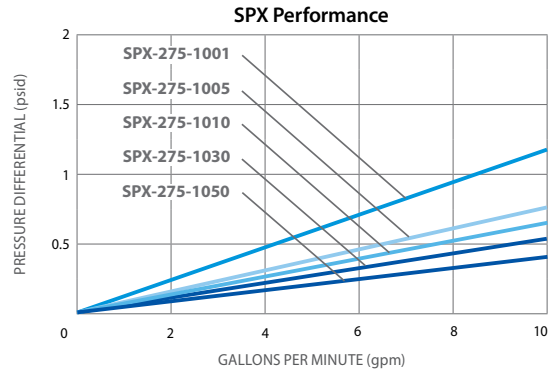
P.O. Box 2235 Chino Hills, CA 91709 | USA  
sales@hydronixwater.com

## OPERATIONAL DATA

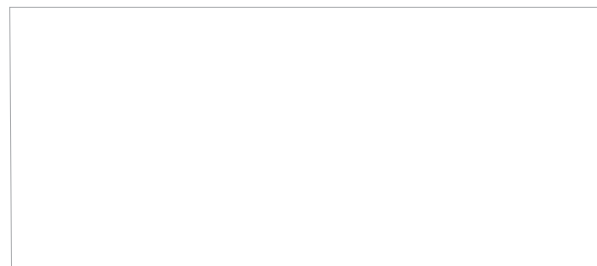
Temperature Range: 40 °F to 125 °F (4.4 °C to 51.7 °C)

## RECOMMENDED CHANGEOUT

Differential Pressure: 30 psid (2.07 bar)



## DISTRIBUTED BY:



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