



SERVA-PAK™ 65/85/95

Extended Surface High Capacity Bag Filter

Introduction

- Purolator's SERVA-PAK filters are extended surface high capacity air filters composed of individual dust holding pockets assembled in a metal support frame.
- Average efficiency range: 65-95%
- Average arrestance: 97-99%
- Available in four filter face sizes: 12x24, 20x20, 20x24, 24x24, and multiple capacity and depth sizes.

Media and Support

- Media: High-density ultra-fine glass microfiber formed into a filter blanket reinforced by an integral scrim backing.
- Media configuration: A special multi-row stitching process produces self-supporting dust holding pockets and achieves uniform media spacing.
- Pocket support: Each pocket is bonded and sealed to its own J-channel support frame which is mechanically fastened to the header frame.
- Media area/square foot: See Performance data chart on back side.
- Recorded airflow rate: 500 FPM (625 FPM Max.)

Suggested Product Specifications

1. Air filters shall be replaceable, factory assembled SERVA-PAK bag filters consisting of multiple dust holding pockets assembled in a corrosion resistant, roll-formed, galvanized steel frame as manufactured by Purolator Air Filtration.
2. Filter media shall be of high density ultra-fine glass microfiber formed into a .25" thick filter blanket and reinforced by an integral scrim backing.
3. When tested in accordance with ASHRAE std. 52.1-1992, the filter shall have an average efficiency of:
 - SERVA-PAK 65 = 60-65%
 - SERVA-PAK 85 = 80-85%
 - SERVA-PAK 95 = 90-95%
 And an average arrestance of not less than:
 - SERVA-PAK 65 = 97%
 - SERVA-PAK 85 = 98%
 - SERVA-PAK 95 = 99%
 When tested in accordance with ASHRAE 52.2, filter shall have a MERV value of ____.
4. A multi-row stitching process shall produce individual self-supporting dust holding pockets to achieve uniform media spacing thereby extending filter life and optimizing performance.

(Suggested product specifications continued on back side)



Construction Features

- Frame and assembly: Heavy duty, galvanized, corrosion resistant roll-formed steel. Each media-to-metal contact point is glued to prevent air bypass between mechanically fastened pockets.
- UL Classification: Class I or 2 approved and listed. Tested in accordance with U.L. Standard 900 and ASHRAE 52.1-1992 and ASHRAE 52.2.
- Recommended operating temperature: ≤200°F


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Air Filtration
 a CLARCOR company

Suggested product specifications continued

- The multiple rows of stitching shall be sealed with a hot melt adhesive.
- Dust holding pockets shall be bonded to their own metal support frame and assembled into a heavy gauge galvanized steel enclosure frame.
- Side-by-side pockets shall be mechanically fastened to the adjacent frames using a non-piercing clinch.
- The open area of the filter shall be greater than 85% of the total face area.
- The filter shall be rated Class I or 2 by Underwriters Laboratories, Inc. Each filter shall have a rating of: _____CFM at an initial resistance not to exceed _____ inches w.g. Each filter shall have no less than _____sq. ft. of media area.

Performance data: SERVA-PAK 65/85/95

Nominal size WxHxD	# of pockets	Media area sq. ft.	CFM capacity			SERVA-PAK 65%			Resist. in. W.G.			SERVA-PAK 85%			Resist. in. W.G.			SERVA-PAK 95%		
			low	med	high	model no.	low	med	high	model no.	low	med	high	model no.	low	med	high	model no.	low	med
24x24x15	12	61	1000	1500	2000	SP65124415	.16	.32	.54	SP85124415	.22	.39	.61	SP95124415	.38	.69	.82			
20x24x15	10	51	800	1250	1600	SP65100415	.08	.16	.25	SP85100415	.18	.31	.44	SP95100415	.33	.55	.75			
12x24x15	6	30	500	750	1000	SP65062415	.14	.28	.38	SP85062415	.20	.28	.44	SP95062415	.43	.54	.80			
24x24x36	10	120	2000	2500	-	SP65104436	.19	.30	-	SP85104436	.32	.46	-	SP95104436	.46	.67	-			
20x24x36	8	96	1600	2000	-	SP65080436	.19	.28	-	SP85080436	.29	.41	-	SP95080436	.33	.46	-			
12x24x36	5	60	1000	1250	-	SP65052436	.22	.32	-	SP85052436	.34	.50	-	SP95052436	.48	.70	-			
24x24x30	10	99	1500	2000	2500	SP65104430	.12	.19	.29	SP85104430	.20	.34	.50	SP95104430	.32	.50	.70			
20x24x30	8	79	1200	1600	2000	SP65080430	.11	.18	.26	SP85080430	.16	.24	.34	SP95080430	.32	.47	.63			
12x24x30	5	50	750	1000	1250	SP65052430	.13	.21	.32	SP85052430	.24	.37	.54	SP95052430	.34	.50	.70			
24x24x22	10	76	1000	1500	2000	SP65104422	.06	.12	.20	SP85104422	.14	.22	.38	SP95104422	.25	.40	.58			
20x24x22	8	61	800	1200	1600	SP65080422	.06	.10	.18	SP85080422	.13	.21	.31	SP95080422	.24	.36	.51			
12x24x22	5	38	500	750	1000	SP65052422	.09	.14	.25	SP85052422	.15	.26	.42	SP95052422	.33	.38	.52			
24x24x37	9	117	2000	2500	-	SP65094437	.19	.30	-	SP85094437	.30	.44	-	SP95094437	.48	.68	-			
24x24x30	9	87	1500	2000	2500	SP65094430	.12	.20	.31	SP85094430	.24	.37	.53	SP95094430	.34	.52	.73			
24x24x22	9	69	1000	1500	2000	SP65094422	.07	.14	.22	SP85094422	.16	.28	.42	SP95094422	.28	.45	.62			
24x24x36	8	100	1500	2000	2500	SP65084436	.12	.20	.30	SP85084436	.19	.30	.42	SP95084436	.30	.45	.62			
20x24x36	6	75	1200	1600	2000	SP65060436	.09	.14	.21	SP85060436	.15	.22	.31	SP95060436	.30	.40	.54			
12x24x36	4	50	750	1000	1250	SP65042436	.14	.22	.33	SP85042436	.20	.31	.44	SP95042436	.29	.43	.60			
24x24x30	8	84	1500	2000	2500	SP65084430	.12	.20	.30	SP85084430	.22	.34	.50	SP95084430	.34	.50	.65			
20x24x30	6	63	1200	1600	2000	SP65060430	.09	.15	.22	SP85060430	.19	.28	.38	SP95060430	.27	.39	.51			
12x24x30	4	42	750	1000	1250	SP65042430	.13	.22	.32	SP85042430	.21	.33	.46	SP95042430	.42	.61	.83			
24x24x22	8	62	1000	1500	2000	SP65084422	.07	.13	.21	SP85084422	.16	.27	.40	SP95084422	.30	.45	.64			
20x24x22	6	47	800	1200	1600	SP65060422	.05	.09	.15	SP85060422	.16	.25	.36	SP95060422	.29	.44	.62			
12x24x22	4	31	500	750	1000	SP65042422	-	.14	.22	SP85042422	.16	.28	.40	SP95042422	.29	.46	.64			
24x24x37	7	94	1500	2000	2500	SP65074437	.11	.20	.30	SP85074437	.18	.28	.40	SP95074437	.30	.44	.60			
24x24x30	7	70	1500	2000	2500	SP65074430	.11	.19	.28	SP85074430	.21	.31	.44	SP95074430	.31	.45	.60			
24x24x22	7	55	1000	1500	2000	SP65074422	.06	.12	.19	SP85074422	.18	.30	.44	SP95074422	.32	.50	.71			
24x24x36	6	78	-	1500	2000	SP65064436	-	.11	.20	SP85064436	-	.18	.28	SP95064436	-	.34	.48			
20x24x36	5	65	-	1200	1600	SP65050436	-	.12	.19	SP85050436	-	.18	.28	SP95050436	-	.34	.48			
12x24x36	3	39	-	750	1000	SP65032436	-	.14	.24	SP85032436	-	.20	.32	SP95032436	-	.36	.55			
20x20x36	5	55	-	1200	1600	SP65050036	-	.13	.20	SP85050036	-	.24	.35	SP95050036	-	.38	.55			
24x24x30	6	65	-	1500	2000	SP65064430	-	.11	.18	SP85064430	-	.24	.36	SP95064430	-	.33	.47			
20x24x30	5	54	-	1200	1600	SP65050430	-	.11	.18	SP85050430	-	.22	.32	SP95050430	-	.41	.57			
12x24x30	3	33	-	750	1000	SP65032430	-	.12	.18	SP85032430	-	.22	.33	SP95032430	-	.34	.50			
20x20x30	5	45	-	1200	1600	SP65050030	-	.14	.24	SP85050030	-	.28	.40	SP95050030	-	.48	.66			
24x24x22	6	48	1000	1250	1500	SP65064422	.07	.10	.13	SP85064422	.21	.26	.34	SP95064422	.36	.46	.56			
20x24x22	5	40	750	1000	1250	SP65050422	.06	.10	.13	SP85050422	.18	.24	.31	SP95050422	.27	.40	.49			
12x24x22	3	24	500	625	750	SP65032422	.07	.10	.14	SP85032422	.20	.26	.32	SP95032422	.36	.46	.57			
20x20x22	5	34	750	1000	1250	SP65050022	.08	.12	.17	SP85050022	.21	.30	.39	SP95050022	.36	.52	.66			

(1) All performance data based on ASHRAE standard 52.1-1992. Performance tolerances conform to section 7.4 of ARI Standard 850-93.

(2) Filters operate satisfactorily in the CFM range shown.

(3) Use the suffix "I" after model number when specifying U.L. Class I.

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