

# R30/30WR

Water Resistant Air Filters



## Customer Value Proposition:

Available in depths of 1", 2", and 4", and various sizes, the R30/30WR features a non-cellulose media that effectively repels water while capturing dust, lint, pollen and other particulate contaminants. The media is enclosed in a waterproof frame made of proprietary board material that will not deform or degrade throughout the service life of the filter.

The R30/30WR is rated as a MERV 7 filter under ASHRAE test procedure 52.2-2007. The R30/30WR is 2 to 3 times more efficient than conventional pad filters, its pleated design containing over seven times more media surface area for enhanced performance and longer life.



## Contact Information:

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The air filters are medium efficiency ASHRAE pleated panels consisting of water repellent, non-cellulosic media and waterproof enclosing frame.

The frame is bonded to the media to prevent air bypass and includes integral diagonal support members on the air entering and air exiting side to maintain uniform pleat spacing during operation.

Initial resistance to airflow shall not exceed (0.22", 0.25", 0.23") w.g. at the rated airflow. We are pursuing the UL Class 2 classification.

## Applications

- Mass Transit Vehicles
- Marine Ventilation Systems
- Locomotive Carbody Filters
- Turbo Machinery Air Intakes
- Air Cooling Systems
- Electrical Cabinet



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PART NUMBER	NOMINAL SIZE	ACTUAL SIZE (IN.)		CAPACITIES (CFM)		RESISTANCE AT CAPACITY (IN. W.G.)			MEDIA AREA (SQ. FT.)	
		HEIGHT	WIDTH	MEDIUM	HIGH	MEDIUM	HIGH	FINAL	TOTAL	PLEATS PER FT
402137001	24 x 24 x 4	23.28	23.28	1000	2000	0.06	0.22	1.00	45.6	20
402137002	24 x 12 x 4	23.38	11.38	500	1000	0.06	0.22	1.00	45.6	
402137003	20 x 20 x 4	19.38	19.38	695	1390	0.06	0.22	1.00	31.3	
402137004	20 x 16 x 4	19.38	15.38	555	1110	0.06	0.22	1.00	24.8	
402137005	24 x 20 x 4	23.38	19.38	835	1670	0.06	0.22	1.00	37.8	
402137006	24 x 18 x 4	23.38	17.38	750	1500	0.06	0.22	1.00	33.9	
125343001	20 x 16 x 2	19.38	15.38	555	1100	0.08	0.25	1.00	15.3	26
125343002	20 x 20 x 2	19.38	19.38	695	1390	0.08	0.25	1.00	19.3	
125343003	20 x 25 x 2	19.38	24.38	870	1740	0.08	0.25	1.00	24.3	
125343004	14 x 25 x 2	13.38	24.38	610	1220	0.08	0.25	1.00	16.8	
125343005	24 x 24 x 2	23.38	23.28	1000	2000	0.08	0.25	1.00	28.1	
124343006	24 x 12 x 2	23.38	11.38	500	1000	0.08	0.25	1.00	13.7	
125343007	20 x 14 x 2	19.38	13.38	485	970	0.08	0.25	1.00	13.3	
125343008	16 x 24 x 2	15.38	23.28	670	1340	0.08	0.25	1.00	18.5	
125343009	24 x 20 x 2	23.38	19.38	835	1670	0.08	0.25	1.00	23.3	
125343010	16 x 25 x 2	15.38	24.38	695	1390	0.08	0.25	1.00	19.3	
125343011	24 x 18 x 2	23.38	17.38	750	1500	0.08	0.25	1.00	20.9	
400759001	20 x 16 x 1	19.38	15.38	390	780	0.07	0.23	1.00	7.9	27
400759002	20 x 20 x 1	19.38	19.38	485	970	0.07	0.23	1.00	9.9	
400759003	20 x 25 x 1	19.38	24.38	610	1220	0.07	0.23	1.00	12.5	
400759004	16 x 25 x 1	15.38	24.38	485	970	0.07	0.23	1.00	9.9	
400759005	24 x 24 x 1	23.38	23.28	700	1400	0.07	0.23	1.00	14.4	
400759006	20 x 14 x 1	19.38	13.38	340	680	0.07	0.23	1.00	6.8	
400759008	20 x 15 x 1	19.38	14.38	365	730	0.07	0.23	1.00	7.4	
400759010	24 x 12 x 1	23.38	11.38	350	750	0.07	0.23	1.00	7.0	
400759011	24 x 20 x 1	23.38	19.38	585	1170	0.07	0.23	1.00	12.0	

## SPECIFICATIONS

### 1.0 General

**1.1** Air filters shall be medium efficiency ASHRAE pleated panels consisting of water repellent, non-cellulosic media and waterproof enclosing frame.

**1.2** The frame shall be bonded to the media to prevent air bypass and shall include integral diagonal support members on the air entering and air exiting side to maintain uniform pleat spacing during operation.

### 2.0 Performance

**2.1** The filter shall have a minimum efficiency reporting value of MERV 7 when evaluated under the guidelines of ASHRAE standard 52.2-1999. It shall have an average dust spot efficiency of 25-30% when evaluated under ASHRAE standard 52.1-1992.

**2.2** Initial resistance to airflow shall not exceed (0.22", 0.25", 0.23") w.g. at the rated airflow.

**2.3** We are pursuing the UL Class 2 classification for this filter.

