

# Pocket Filter Rigid RS

Rigid Pocket Filter for Automotive Application

- Silicon free filter
- Progressive density synthetic media
- Self-supporting construction
- High dust holding capacity
- Classifications F5, F6, F7 and F8
- Optionally available with Plastic Header



## Rigid Pocket Filter Type RS

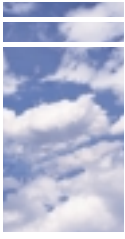
The Type RS rigid pocket filter is designed for use in automotive air handling units. The filter features a high quality thermally bonded synthetic media with a strong galvanized steel header. The media has a progressive density construction which allows dust particles to penetrate deeper into the media before they are trapped. As the back of the media loads, particles are caught progressively closer to the surface. This design eliminates faceloading, increases dust holding capacity and ensures cleaner air. The materials used to make the filter are silicon free. Available in classifications F5 thru F8 in accordance with EN779.

To ensure an optimum airflow through the filter and minimum media resistance, each pocket is separated from the other by three diamond shaped pocket separators. These separators ensure pockets inflate without touching and that every square centimetre of media is utilized to maximize dust holding.

Standard dimensions (mm)	Type Rigid RS	Filter area m <sup>2</sup> 650 mm	Rated air flow m <sup>3</sup> /h
<b>F5</b> 592x592x650 490x592x650 287x592x650 287x287x650	<b>F5</b> 45/6 45/5 45/3 45/3H	<b>F5</b> 5 4,2 2,5 1,25	<b>F5</b> 3400 2830 1700 850
<b>F6</b> 592x592x660 490x592x660 287x592x660 287x287x660	<b>F6</b> 65/8 65/6 65/4 65/4 <sup>1</sup> / <sub>4</sub>	<b>F6</b> 6,9 5,2 3,5 1,8	<b>F6</b> 3400 2830 1700 850
<b>F7</b> 592x592x660 490x592x660 287x592x660 287x287x660	<b>F7</b> 85/8 85/6 85/4 85/4	<b>F7</b> 6,9 5,2 3,5 1,8	<b>F7</b> 3400 2830 1700 850
<b>F8</b> 592x592x660 490x592x660 287x592x660 287x287x660	<b>F8</b> 95/8 95/6 95/3 95/3 <sup>1</sup> / <sub>4</sub>	<b>F8</b> 6,9 5,2 3,5 1,8	<b>F8</b> 3400 2830 1700 850

As an option, the Type RS rigid pocket filter can be supplied with a sturdy plastic header, permitting disposal in a waste incinerator.



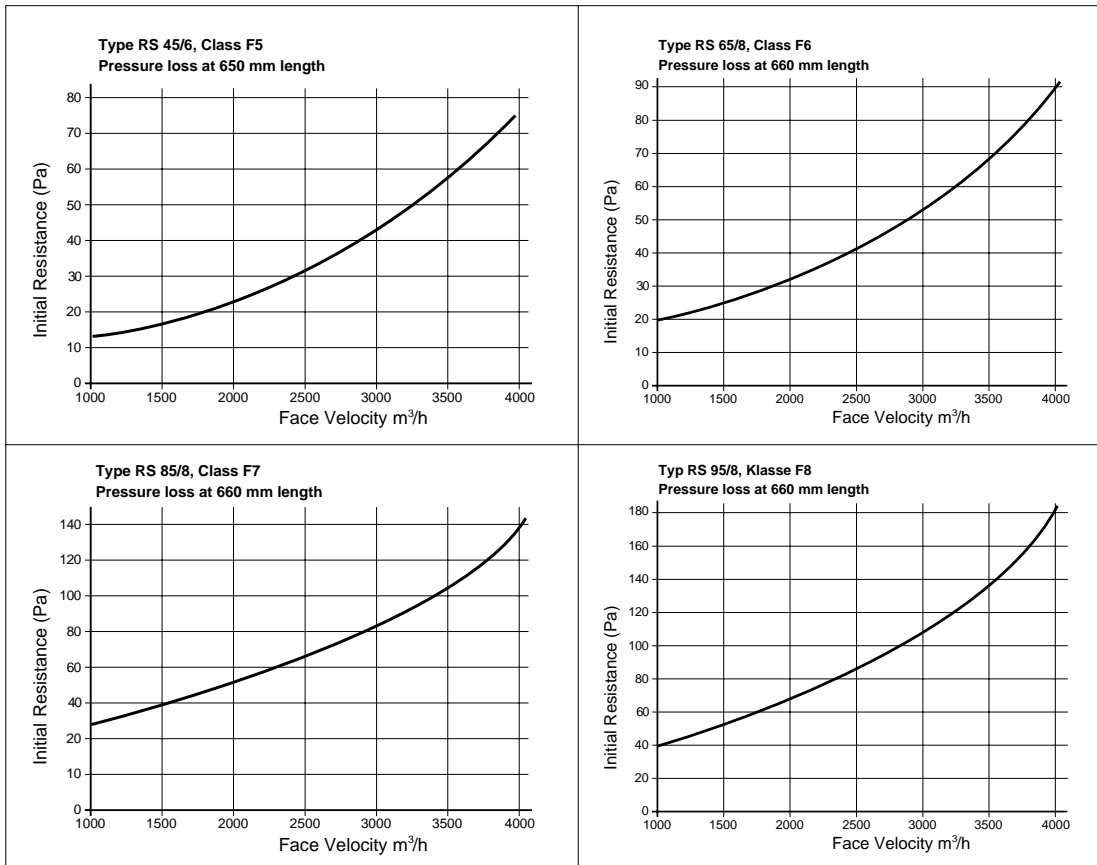


# Pocket Filter Rigid RS

## Technical Data

	F5	F6	F7	F8
Filter Class acc. to DIN EN 779	F5	F6	F7	F8
Dimensions in mm W x H x D	592 x 592 x 650 mm	592 x 592 x 660 mm	592 x 592 x 660 mm	592 x 592 x 660 mm
Rated Airflow Capacity	3400 m <sup>3</sup> /h	3400 m <sup>3</sup> /h	3400 m <sup>3</sup> /h	3400 m <sup>3</sup> /h
Gross Media Area	5 m <sup>2</sup>	6,9 m <sup>2</sup>	6,9 m <sup>2</sup>	6,9 m <sup>2</sup>
Specific Rated Air / Gross Media Area	680 m <sup>3</sup> /m <sup>2</sup> h	500 m <sup>3</sup> /m <sup>2</sup> h	500 m <sup>3</sup> /m <sup>2</sup> h	500 m <sup>3</sup> /m <sup>2</sup> h
Average Arrestance	96%	99%	99,4%	99,7%
Average Efficiency	45%	65%	75%	85%
Recommended Final Resistance	450 Pa	450 Pa	450 Pa	450 Pa
Max. Final Resistance	600 Pa	600 Pa	600 Pa	600 Pa
Dust Holding Capacity at 450 Pa	1150 g	950 g	980 g	846 g
Max. Operating Temperature °C	80°C	80°C	80°C	80°C
Incinerable Media acc. to DIN 53538	F1	F1	F1	F1

## Initial Resistance versus Face Velocity



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