

## CUSTOMER INFORMATION

Successfully save electricity costs and reduce CO<sub>2</sub> emissions with Viledon® air filters

Companies from a wide range of different industries can achieve demonstrable cost savings through the use of more energy-efficient filtration solutions from Viledon®. They also achieve significant savings in electricity consumption and contribute to a reduction in CO<sub>2</sub> emissions.



We will be pleased to send you detailed documented case studies. Please feel free to contact us!

Here are two examples of the efficiency of Viledon® filtration solutions:

With Viledon® 5.3 tons less of CO <sub>2</sub> emissions per year	
<b>1<sup>st</sup> filter stage:</b> 6 x conventional G4 pre-filter panels <b>2<sup>nd</sup> filter stage:</b> 6 x conventional F7 pocket filter Volume flow: 24,300 m <sup>3</sup> /h	<b>One filter stage:</b> 6 x F7 Viledon® MaxiPleat cassette filter MX85 Volume flow: 24,300 m <sup>3</sup> /h
Conventional filtration	Viledon® System
Power consumption <b>20,780 kWh/year</b>	Power consumption <b>11,800 kWh/year</b>
Electricity costs (20,780 kWh x 0.10 €/kWh) <b>2,078 €</b>	Electricity costs (11,800 kWh x 0.10 €/kWh) <b>1,180 €</b>
CO <sub>2</sub> emissions* (20,780 kWh x 0.593 kg/kWh) <b>≈ 12,323 kg/year</b>	CO <sub>2</sub> emissions* (11,800 kWh x 0.593 kg/kWh) <b>≈ 6,997 kg/year</b>

**898 €/year** Cost savings with Viledon®

**≈ 5.3 t/year** CO<sub>2</sub> reduction with Viledon®

**149 €** Cost savings per filter / year



With Viledon® 4.7 tons less CO <sub>2</sub> emissions per year	
<b>1<sup>st</sup> filter stage:</b> 9 x conventional F6 pocket filter <b>2<sup>nd</sup> filter stage:</b> 9 x conventional F9 cassette filter Volume flow: 30,000 m <sup>3</sup> /h	<b>1<sup>st</sup> filter stage:</b> 9 x F6 Viledon® compact pocket filter T60 <b>2<sup>nd</sup> filter stage:</b> 9 x F9 Viledon® MaxiPleat cassette filter MX98 Volume flow: 30,000 m <sup>3</sup> /h
Conventional filtration	Viledon® System
Power consumption <b>27,820 kWh/year</b>	Power consumption <b>19,930 kWh/year</b>
Electricity costs (27,820 kWh x 0.10 €/kWh) <b>2,782 €</b>	Electricity costs (19,930 kWh x 0.10 €/kWh) <b>1,993 €</b>
CO <sub>2</sub> emissions* (27,820 kWh x 0.593 kg/kWh) <b>≈ 16,497 kg/year</b>	CO <sub>2</sub> emissions* (19,930 kWh x 0.593 kg/kWh) <b>≈ 11,818 kg/year</b>

**789 €/year** Cost savings with Viledon®

**≈ 4.7 t/Jahr** CO<sub>2</sub> reduction with Viledon®

**44 €** Cost savings per filter / year



\* Specific carbon dioxide emissions of the German electricity mix (0.593 kg/kWh of CO<sub>2</sub> emission factor)  
 Source: German National Environment Office, FG / 2.5., correct as of April 2009

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