



Applications

CCP 830 blended pellets are used in a wide range of applications for the filtration of gaseous contaminants, covering acidic gases and organic substances. They consist of a 50:50 by volume mix of CCP 210 and CCP 610 to provide an excellent combination of their respective properties in terms of

adsorption, absorption and chemisorption. CCP 830 is the first choice when space limitations and onsite conditions require an effective filtration solution regarding the oxidization of contaminants and adsorption of hydrocarbons, aldehydes and VOCs.

BLEND OF CCP 210 AND CCP 610		CCP 830
Bulk density	kg/m ³	660 (+/-5%)
Nominal diameter of spherical pellets	mm	3.8
Nominal diameter of cylindrical pellets	mm	4.0
Nominal length of cylindrical pellets	mm	8.0
Crush strength (minimum)	kg	2
Removal capacity for H ₂ S of own weight*	%	12
Removal capacity for SO ₂ of own weight*	%	6
Removal capacity for NO ₂ of own weight*	%	10
Removal capacity for Cl ₂ of own weight	%	5
Minimum design efficiency	%	99.5
Typical air velocity	m/s	0.3–2.5
Suitable for relative air humidities	%	10–95
Temperature range	°C	-20–+50
Remaining lifetime analysis	possible	yes

DELIVERY NOTES		
Weight per box	kg	18.7
Box dimensions (L x W x H)	mm	320 x 320 x 340

CONTAMINANT GASES

CCP 830 pellets are especially recommended for all contaminant gases highlighted in lightblue ●. Choose other ChemControl pellets for all contaminant gases marked in darkblue ●.

- 1 Hydrogen sulfide (H₂S) ●
- 2 Sulfur dioxide (SO₂) ●
- 3 Other oxides of sulfur ●
- 4 Nitrogen oxides (NO_x) ●
- 5 Chlorine ●
- 6 Ammonia ●
- 7 Formaldehyde ●
- 8 Hydrocarbons ●
- 9 Mercaptans ●
- 10 Low molecular weight organic acids ●
- 11 Volatile organic compounds (VOCs) ●

If you require information and pellet selection assistance for contaminant gases not listed here, please consult your Viledon® partner.

* tested in broad conformity with ASTM International Standard D6646-03

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations.

AT A GLANCE – VILEDON CHEMCONTROL PELLETS

<p>CCP 104</p> <p>1 2 3 4 7 9 10</p> 	<p>CCP 610</p> <p>5 8 11</p> 
<p>CCP 108</p> <p>1 2 3 4 7 9 10</p> 	<p>CCP 810</p> <p>1 2 4 8 11</p> 
<p>CCP 210</p> <p>1 2 3 4 7 9 10</p> 	<p>CCP 830</p> <p>1 2 3 4 8 11</p> 
<p>CCP 310</p> <p>1 2 3 5</p> 	<p>CCP 840</p> <p>1 2 5 8 11</p> 
<p>CCP 510</p> <p>5</p> 	<p>CCP 903</p> <p>6</p> 

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Please note

Other ChemControl pellets are available on request – especially custom formulations with impregnations for specific contaminant gases. All application information provided are subject to on-site conditions, specific application requirements and potential alternating effects by combining several ChemControl pellets in multi-stage units. Please consult your local Viledon® partner for further information.

The information or figures given are subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required in each case for the correctness of the information. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

FREUDENBERG FILTRATION TECHNOLOGIES

Contact us

www.freudenberg-filter.com

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