



Applications

CCP 810 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 108 and CCP 610 to provide an excellent combination of their respective properties in terms of

adsorption, absorption and chemisorption. CCP 810 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 108 AND CCP 610		CCP 810
Bulk density	kg/m ³	640 (+/-5%)
Nominal diameter of spherical pellets	mm	3.8
Nominal diameter of cylindrical pellets	mm	5.0
Nominal length of cylindrical pellets	mm	8.0
Crush strength (minimum)	kg	2
Removal capacity for H ₂ S of own weight*	%	7
Removal capacity for SO ₂ of own weight*	%	3
Removal capacity for NO ₂ of own weight*	%	7
Removal capacity for Cl ₂ of own weight	%	4
Minimum design efficiency	%	99.5
Typical air velocity	m/s	0.3–2.9
Suitable for relative air humidities	%	10–95
Temperature range	°C	–20–+55
Remaining lifetime analysis	possible	no

DELIVERY NOTES

Weight per box	kg	18.4
Box dimensions (L x W x H)	mm	320 x 320 x 340

CONTAMINANT GASES

CCP 810 pellets are especially recommended for all contaminant gases highlighted in lightblue ●. Choose other ChemControl pellets for all contaminant gases marked in darkblue ●.

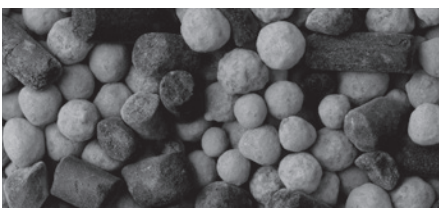
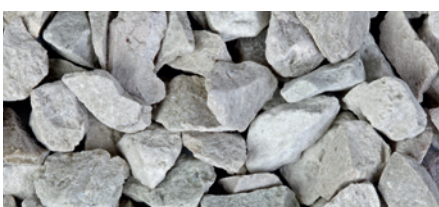
- 1 Hydrogen sulfide (H₂S) ●
- 2 Sulfur dioxide (SO₂) ●
- 3 Other oxides of sulfur ●
- 4 Nitrogen oxides (NO_x) ●
- 5 Chlorine ●
- 6 Ammonia ●
- 7 Formaldehyde ●
- 8 Hydrocarbons ●
- 9 Mercaptans ●
- 10 Low molecular weight organic acids ●
- 11 Volatile organic compounds (VOCs) ●

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

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

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- 4 Nitrogen oxides (NO_x)
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- 10 Low molecular weight organic acids
- 11 Volatile organic compounds (VOCs)

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.

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