

VILEDON CHEMCONTROL PELLETS



Applications

CCP 104 pellets are used for the prevention of corrosion caused by acidic gases. They remove contaminant gases by means of adsorption, absorption and chemisorption. CCP 104 pellets contain

a minimum of 4% potassium permanganate, evenly distributed in the pores, which permanently eliminates the contaminants via an oxidation reaction to inactive solids.

SPHERES MADE OF ALUMINUM OXIDE WITH 4% POTASSIUM PERMANGANATE		CCP 104
Bulk density	kg/m ³	800 (+/-5%)
Nominal diameter of spherical pellets	mm	3.8
Moisture content (approx.)	%	20
Crush strength (minimum)	kg	2
Removal capacity for H ₂ S of own weight*	%	7
Removal capacity for SO ₂ of own weight*	%	4
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	22.7
Box dimensions (L x W x H)	mm	320 x 320 x 340

CONTAMINANT GASES

CCP 104 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



Pellets are especially recommended for all contaminant gases highlighted in lightblue ●

- 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)

Please note
Other ChemControl pellets are available on request – especially custom formulations with impregnations for specific contaminants 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

 **FREUDENBERG**
INNOVATING TOGETHER