



NECA | cms®

Carbon molecular sieves

NECA | cms® are technical carbon molecular sieves for the excellent separation of gases in pressure swing adsorption (PSA).

Our molecular sieves (cms) are characterised by a precisely defined system of micropores with long-lasting and reliable performance. Their high degree of hardness minimises dust and abrasion during operation. Due to different grades, a wide range of applications are possible for the user.

Beyond the supply of **NECA | cms®**, NECATEC offers you comprehensive technical advice and a professional replacement service at any time.



Application
areas

Nitrogen
recovery

Production
of ethylene

Biogas-
Upgrading

NECATEC AG
new carbon + technologies

Bredeneyer Str. 2B | D-45133 Essen
Tel.: +49 800 000 77 19 | info@necatec.de
www.necatec.de

NECA|cms®

NECA|cms® is versatilely used in new and existing PSA plants (PSA - pressure-swing adsorption / pressure-swing adsorption). A precisely defined system of micropores reliably and efficiently meets all required performance parameters. Different application requirements also stipulate a differentiated production of cms, which we can offer the user with different performance parameters. The special hardness of the NECA|cms® ensures an extremely low dust load and a long service life of the products in technical operation.

NECA|cms® carbon molecular sieves

For use in PSA systems

- Extraction of nitrogen
- Biogas upgrade (CO₂ depletion)
- Production of ethylene

Features of NECA|cms®



Diameter:	1,0 / 1,5mm
Density:	640-660g/l
Fracture hardness:	100N/p Min
Dust level:	100ppm Max
Pore sizes:	4Å / 5Å

Benefit now from the following advantages:

- Highest safety and loading performance in one product!
- Very high separation rate!
- Homogeneously pronounced micropore system!
- Low dust product!
- Safe application!
- Best service life!
- Change and service!