

## Filter media

### DRG 5N

Stainless steel wire mesh 1.4404

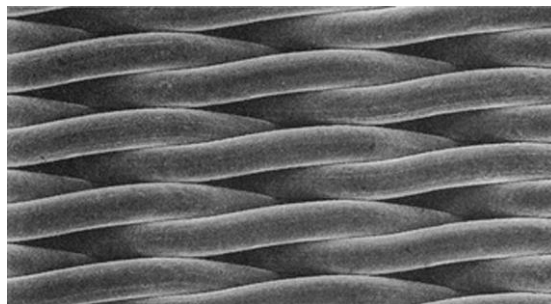
#### 1. Features

A special form of surface treatment has been used to obtain a very smooth, finely separating filter media. The wire mesh structure of DRG 5N permits wet cleaning without removing the cartridge.

This media is preferred for use in cleanable dust filters installed in dry dust removal applications in the food processing and pharmaceuticals industries.

#### Characteristics

- Smooth surface
- Electrically conductive
- Good separation efficiency
- Excellent cleaning power
- Good cleanability
- Worldwide distribution

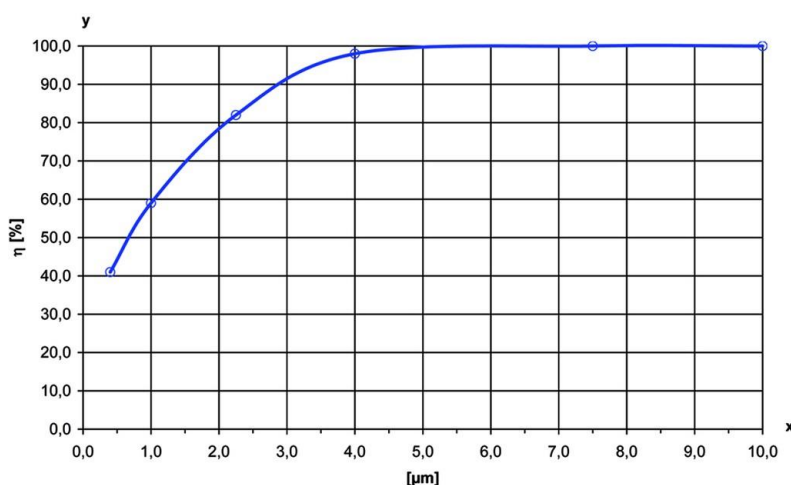


## 2. Technical data

| Type   | Media                            | Media thickness [mm] | Weight [g/m²] | Air permeability [m³/m²h]<br>at Δp 200 Pa | max. operating temperature [°C]     |
|--------|----------------------------------|----------------------|---------------|---|-------------------------------------|
| DRG 5N | Stainless steel wire mesh 1.4404 | 0.15                 | 750           | 900                                       | 240 (permanent)<br>max. 260 (peaks) |

Technical data is subject to change without notice!

## 3. Filtration efficiency



Filtration efficiency :   
 > 98 %  
 at 5 μm

Test conditions  
Filter surface load: 3.36 m³/m²\*min  
Mass concentration: 200 mg/m³ Dolomit  
Test dust: DRB 20 (Rock flour)

Electrical resistance: < 4 x 10<sup>4</sup> Ω

x = Particle size [μm]  
y = Filtration efficiency η [%]

These values may vary depending on the nature of the dust, the composition of the gas and the cartridge design.

## 4. Chemical resistance/mechanical properties

| Chemical resistance | Very good | Good | Limited |  | Mechanical properties        | Very good | Good | Limited |
|---------------------|-----------|------|---------|--|------------------------------|-----------|------|---------|
| Humidity            | x         |      |         |  | Surface quality (smoothness) | x         |      |         |
| Hydrolysis          | x         |      |         |  | Stability                    |           |      | x       |
| Acids               |           | x    |         |  | Abrasion resistance          |           | x    |         |
| Alkalis             | x         |      |         |  | Cleanability (jet pulse)     |           | x    |         |
| Solvents            | x         |      |         |  | Washability                  | x         |      |         |

These properties are of purely qualitative valuation and depending on the nature of the dust, the composition of the gas and the operating conditions (e.g. temperature).

## 5. Design

Please contact us for detailed technical information, any open questions and for general expert advice.  
Completion of the relevant questionnaire would facilitate in the coordination of all important parameters.  
Comprehensive documentation on our product range, cleaning units and cartridges can be provided.

### Your Contact

FILCOM GmbH  
Schönbuchstr. 1  
D-73760 Ostfildern

Phone: +49 (0) 711-4413322-0  
Fax: +49 (0) 711-4413322-22  
Mail: info@filcom.de

www.filcom.de

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