

Nanoclass Square Pro Membrane TC

Product Range



Features



Applications



Filter Class

H



KEY FACTS

- High efficiency (H14 > 99.995 % at MPPS)
- Self-healing, fluid gel gasket
- Available in depths of 80 and 104 mm
- High tensile strength
- 100% boron free
- Minipleat technology for laminar flow
- Extremely low pressure drop
- Guaranteed leak free

DESIGN

e-PTFE membrane filter media folded into a pack and sealed into an anodized aluminum frame. A fluid gel gasket ensures a perfect seal between the filter assembly and its housing. Grid to front and rear faces.

APPLICATIONS

Final filter for clean rooms and clean workbenches. For separation of viruses, bacteria, toxic dust and aerosols, in hospitals/medical institutes, chemists, laboratories, clean rooms, pharmacy, food processing industry, microelectronics.

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PERFORMANCE DATA

| Article No. | Filter Class | Dimensions | Flow Rate | Pressure Drop |
|--------------|--------------|-----------------|-------------------|---------------|
| | EN 1822 | mm | m ³ /h | Pa |
| 800522024192 | H14 | 305 x 305 x 104 | 150 | 55 |
| 800522024193 | H14 | 305 x 610 x 104 | 300 | 55 |
| 800522024194 | H14 | 305 x 762 x 104 | 375 | 55 |
| 800522024195 | H14 | 305 x 915 x 104 | 450 | 55 |
| 800522024196 | H14 | 457 x 457 x 104 | 350 | 55 |
| 800522024197 | H14 | 457 x 610 x 104 | 450 | 55 |

| Article No. | Filter Class | Dimensions | Flow Rate | Pressure Drop |
|--------------|--------------|-------------------|-------------------|---------------|
| | EN 1822 | mm | m ³ /h | Pa |
| 800522024198 | H14 | 610 x 610 x 104 | 600 | 55 |
| 800522024199 | H14 | 610 x 762 x 104 | 750 | 55 |
| 800522024200 | H14 | 610 x 915 x 104 | 900 | 55 |
| 800522024202 | H14 | 610 x 1220 x 104 | 1200 | 55 |
| 800522024203 | H14 | 762 x 1220 x 104 | 1500 | 55 |
| 800522024204 | H14 | 1220 x 1220 x 104 | 2400 | 55 |

SPECIFICATION

| | | | |
|-----------------------------|--------------------------|--|----------------------|
| Recommended air flow | Flow rate ± 10 % | Recommended final pressure drop | 450 Pa (max. 600 Pa) |
| Heat resistance | Up to 70 °C (Peak 90 °C) | Moisture resistance | 100 % rel. humidity |
| Regenerable | No | Incinerable | No |

OPTIONS

| | |
|---------------|-------------------------------|
| Gasket | Self-healing fluid gel gasket |
|---------------|-------------------------------|