



Genuine Cummins DEF Main Filter (BSIV)

#BadhoBefikar



A uniquely designed filter with 3D mesh inside it to avoid any debris from entering the Dosing system.



Features

- 3D mesh filter as per SAE J1985 designed suitably for filtration of DEF ISO 22241 standards
- Filter specialised fabric and plastic rib moulded as a single rigid structure
- O ring provides DEF sealing between unfiltered and filtered DEF



Advantages

- 98%+ filtration for particle size above 15 microns
- Withstand temperature -40 to 85 °C and capable to handle beyond 20 kg per hour flow rate
- No collapse/damage of filter fabric
- Efficient filtration for fibre particles
- Separates clean and dirty DEF
- No contamination in DEF line



Benefits

- Improved life of critical parts like metring unit, nozzle, dosing pump, injector and SCR catalyst
- Improved life with longer filtration performance
- Avoids DEF leakage
- Increases service interval of emission control components

Difference in the construction of Cummins Genuine and Non-genuine DEF filter

Genuine Cummins Filter	Non-genuine Filter
<ul style="list-style-type: none"> • Densely packed uniform mesh threads  <p>For 15 microns particle size, 98% filtration efficiency</p>	<ul style="list-style-type: none"> • Sparsely packed crushed threads  <p>Filtration efficiency: 0%</p>
<ul style="list-style-type: none"> • More weight - 32.5 gm  <p>32.5 gm</p>	<ul style="list-style-type: none"> • Less weight - 19 gm  <p>19.0 gm</p>
<ul style="list-style-type: none"> • More total surface area for filtration 	<ul style="list-style-type: none"> • Less surface area for filtration



Risks of Non-genuine Parts

- › Metring unit blockage
- › Pump functional issues



- › Nozzle and Air check valve failures



- Non-genuine filters may result in short-term savings but **higher expenses in the long term**
- Leads to **increased unplanned downtime** for the customer
- **Higher Total Cost of Ownership**
- **This leads to emission performance failure in the field and DEF deposits in the SCR system**
- **Nozzle and Air check valve failures based on metre unit failure**



Why use Genuine Cummins Parts

- Filtration performance difference between genuine Cummins and non-genuine filters for different particle sizes in microns:

Particle size	Genuine Cummins Filter	Non-genuine Filter
>15 µm	98%	0%
>20 µm	>98%	15%
>30 µm	>98%	65%

- Superior filtration efficiency for the finest of particles
- DEF tank filter increases service intervals emission control components



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