

# Automotive Metal Mesh Solutions

## Oil Strainer/Lubrication Systems



filtertechnik.Europe and the fteu® Group stand for automotive metal mesh solutions. Strainers are an integral part in the lubrication system. Oil strainers of metal mesh offer excellent technical properties for processing of lubricants - they represent an ideal solution for a variety of applications in engines and transmissions.

### Technical Properties

- **Filtration:** defined metal mesh structure and fineness
- **Dispersion:** defined metal mesh structure, density and (multi-layered) design
- **Life-time:** high corrosion resistance to oil, temperature and mechanical stress
- **Assembly-efficiency:** structure and stability using metal mesh

### Available variants

- **Material:** plain steel Q195-2006, AISI 304, 316, 316L; other materials on request
- **Dimensions:** in accordance with customer demands; pleated structures for increased surface area available (i.e. using fteu® MicroPleats)
- **Fineness:** variant-specific with min. fineness up to 10 µm optimized for production and assembly

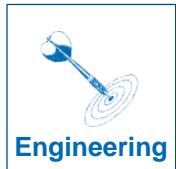


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Engineering

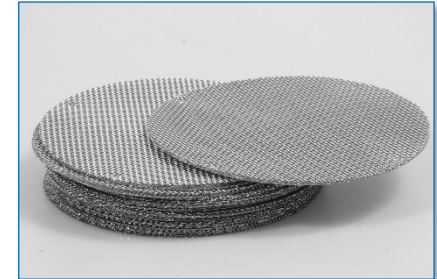


Production



Logistics

- **R&D** – our **fteu® MicroPleats** offer you more surface area also in small spaces. Through pleating height beginning at **2.3mm** the surface area is increased up to factor 7 (700% of the flat cylindrical area)
- **Design for lifetime** – engineering of products that allow maximum efficiency and function along entire lifetime
- **Quality** – consistent and certified quality along the entire process chain
- **Reliability** – production machinery for efficient metal mesh manufacturing
- **Cost Efficiency** – series production in our Chinese plant
- **Global** – global network to serve each customer locally
- **Flexible** – logistics option available from Just-in-Time to FCL deliveries with demand oriented schedules and safety stock at fteu® facilities



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Fluid  
Filtration

Fluid  
Dispersion

Precision  
Assembly

Sound  
Absorption

Heat  
Absorption

Better Function in Metal Mesh

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## About the fteu® Group


We stand for metal mesh products that enable improved function in processes and machines. Quality excellence is our trademark in solutions that achieve more productivity and effectiveness for our customers. Our headquarters are in Germany and further sales and production sites in the Czech Republic and P.R. China. Through a global network of agents we are represented worldwide. **Contact us today** or learn more: [www.fteu.de/en](http://www.fteu.de/en)



 filtertechnik.Europe GmbH & Co. KG  
Germany  
fteu® Group headquarters

 fteu® Group representation

 Baoding Filter Equipment Co., Ltd.  
P.R. China  
fteu® Group Asia

 filtertechnik.Europe CZ s.r.o.  
Czech Republic  
fteu® Group Eastern Europe

## Certified Quality

- ISO 9001 certified
- TS 16949 certified

## Global Value System

- Entire quality chain in-house (incl. tooling and machine manufacturing)
- Engineering & Production in Germany and China
- Local sales and logistics
- Seamless interaction between fteu® Group locations

## Automotive Partner

- Established partner of the automotive industry



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