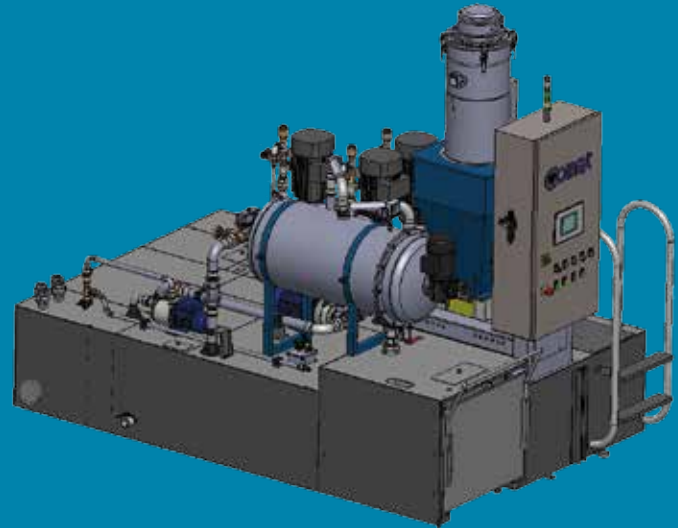


# SPECIFICATION DATASHEET

|                                 |   |
|---------------------------------|---|
| <b>Filtration Capacity</b>      | 270 l./min. nominal   |
| <b>Fluid Compatibility</b>      | All straight cutting oils (no emulsions)*   |
| <b>Contaminants</b>             | Carbide, Cermet, PCD, High Speed Steel, Precious metals, Cast iron, Iron alloys, Copper alloys, Aluminum, Ceramic, Plastics |
| <b>Filtration Rating</b>        | ≤ 3 μm nominal  |
| <b>Dimensions</b>               | 3 x 2 x h 1.9 m<br>(h. 2.7 m with automatic vacuum system)  |
| <b>Fluid Volume</b>             | 2000 - 3000 l.  |
| <b>Filter Media</b>             | Cellulose Powder, Mineral Powder  |
| <b>Filtering Area</b>           | 7.5 m <sup>2</sup>  |
| <b>Filter Media Consumption</b> | 5 kg per Work-Cycle   |

## Mod. 1F25EU-16



## MANAGEMENT SYSTEMS

|                               |  |
|-------------------------------|--|
| <b>Work-cycle management</b>  | Basic, Smart                               |
| <b>Sludge removal</b>         | Manual                                     |
| <b>Filter media loading</b>   | Manual or optional automatic vacuum system |
| <b>Magnetic pre-separator</b> | Optional units available                   |
| <b>Temperature control</b>    | To be determined by project                |

## REQUIRED UTILITIES

|                        |   |
|------------------------|---|
| <b>Voltage</b>         | 400 Volt 3Ph+N+PE 50 Hz (To be specified by customer) |
| <b>Installed power</b> | 3,5 kW (core unit only)                               |
| <b>Compressed air</b>  | 6 bar (dry air)                                       |

## DEFAULT INTERFACE

|                            |   |
|----------------------------|---|
| <b>Dirty Fluid Inlets</b>  | 1-1/2" G female connector (pressurized) / 4" G female connector (gravity)           |
| <b>Clean Fluid Outlets</b> | 1-1/4" G female connector (single-outlet) / 2" G female connector (multiple-outlet) |
| <b>Internet</b>            | RJ-45 Ethernet Plug (Internet service to be provided by customer)                   |
| <b>Compressed air</b>      | 1/4" G female connector   |

## COOLANT MANAGEMENT

|                                |                                     |
|--------------------------------|-------------------------------------|
| Fluid collection from machines | Optional collection units available |
| Fluid distribution to machines | To be determined by project         |

## CERTIFICATIONS

|                  |                       |
|------------------|-----------------------|
| CE certification | Yes                   |
| UL certification | Available as optional |

Filtration performance may vary depending upon operating conditions.  
 Standard operating conditions include: fluid at ambient temperature 20-25°C, kinematic viscosity of 10 cSt at 40°C, max materials contamination of 30 mg/l. Fluid free of other contaminants such as polymers, paraffins, water. Fluid with limited aging degradation (Total Acid Number < 1 mg KOH/g).  
 Fluid Compatibility: the liquid must be in Group 2 and have a vapour pressure at the maximum allowable temperature of not more than 0.5 bar, according to Directive 2014/68/EU.  
 Max working temperature: 60°C.

## CORE UNITS

| CORE UNITS                                 | BASIC    | SMART    |
|--|----------|----------|
| Automatic work-cycle                       | ✓        | ✓        |
| Eco-mode                                   | optional | ✓        |
| Email notifications                        |          | ✓        |
| Power interruptions management             | optional | ✓        |
| Automatic Electronic Flow Regulation       |          | ✓        |
| Software and remote monitoring setup       |          | optional |
| Remote monitoring optimisation and control |          | optional |

