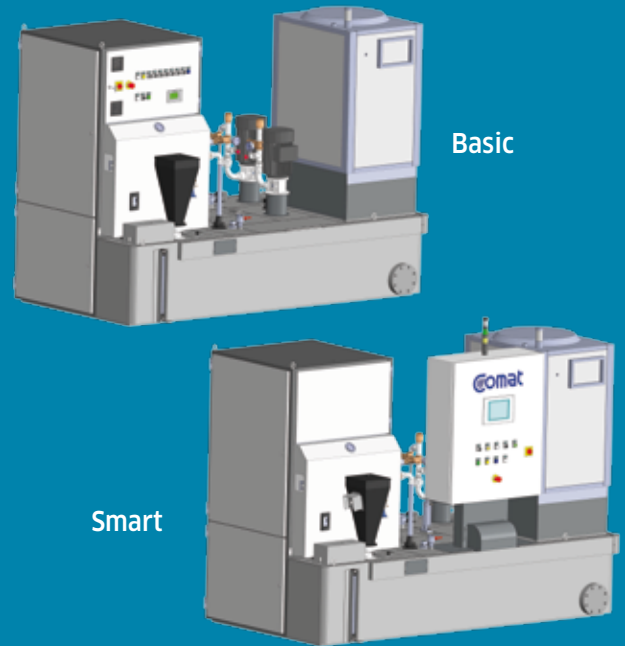


SPECIFICATION DATASHEET

Filtration Capacity	180 l /min. nominal
Fluid Compatibility	All straight cutting oils (no emulsions)*
Contaminants	Carbide, Cermet, PCD, High Speed Steel, Precious metals, Cast iron, Iron alloys, Copper alloys, Aluminum, Ceramic, Plastics
Filtration Rating	≤ 3 µm nominal
Dimensions	2.6 x 1.3 x 2 m
Fluid Volume	1300 - 1400 l.
Filter Media	Cellulose Powder, Mineral Powder
Filtering Area	4 m ²
Filter Media Consumption	3 kg per Work-Cycle

Mod. 1F14EU-16



MANAGEMENT SYSTEMS

Workcycle management	Basic, Smart
Sludge removal	Manual
Filter media loading	Manual
Temperature control	To be determined by project

REQUIRED UTILITIES

Voltage	400 Volt 3Ph+N+PE 50 Hz (To be specified by customer)
Installed power	3 kW (core unit only)
Compressed air	6 Bar (dry air)

DEFAULT INTERFACE

Dirty Fluid Inlets	1-1/2" G female connector (pressurized) / 4" G female connector (gravity)
Clean Fluid Outlets	1-1/4" G female connector (single-outlet) / 2" G female connector (multiple-outlet)
Signals	16-pin Harting Plug
Internet	RJ-45 Ethernet Plug (Internet service to be provided by customer)
Compressed air	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
Semi-Automatic work-cycle	✓	✓
Eco-Mode	optional	✓
Email notifications		✓
Power interruptions management		✓
Automatic Electronic Flow Regulation		✓
Software and remote monitoring setup		optional
Remote monitoring optimisation and control		optional

