

SPECIFICATION DATASHEET

Filtration Capacity	750 - 1500 l/day
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	2.5 x 1.75 x h 2.35 m (h. 3.2 m with automatic vacuum system)
Fluid Volume	4000 l. (1600 clean oil - 1600 dirty oil - 800 recycle)
Filter Media	Cellulose Powder, Mineral Powder
Filtering Area	7.5 m ²
Filter Media Consumption	5 kg per Work-Cycle

Mod. 1F25TA-EU16



MANAGEMENT SYSTEMS

Work-cycle management	Automatic
Sludge removal	Manual
Filter media loading	Manual (vacuum loading kit available as optional)
Magnetic pre-separator	Not included (unit available as optional)
Temperature control	Not included (unit available as optional)

REQUIRED UTILITIES

Voltage	400 Volt 3Ph+N+PE 50 Hz (To be specified by customer)
Installed power	3,2 kW (core unit only)
Compressed air	6 bar (dry air)

DEFAULT INTERFACE

Dirty Fluid Inlets	2" G female connector
Clean Fluid Outlets	1-1/4" G female connector (single-outlet)
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
Automatic workcycle	✓	✓
Automatic new oil refilling	optional	✓
Automatic dirty oil inlet control	optional	✓
Filter media vacuum loading kit	optional	✓
Black-out restart kit	optional	✓

