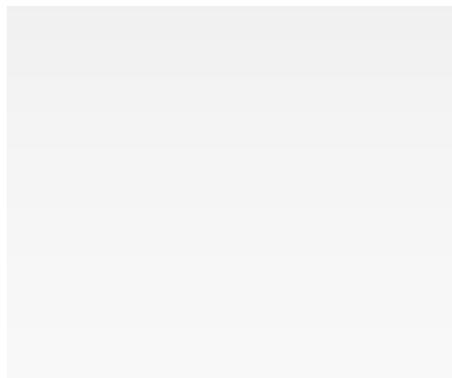


EUROPEAN PATENT  
APPLICATION



**ACCESSORIES AND  
COMPONENTS**

**Recycling module**



COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

COMPANY WITH  
ENVIRONMENTAL SYSTEM  
CERTIFIED BY DNV GL  
= ISO 14001 =

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= UNI EN ISO 3834-2 =

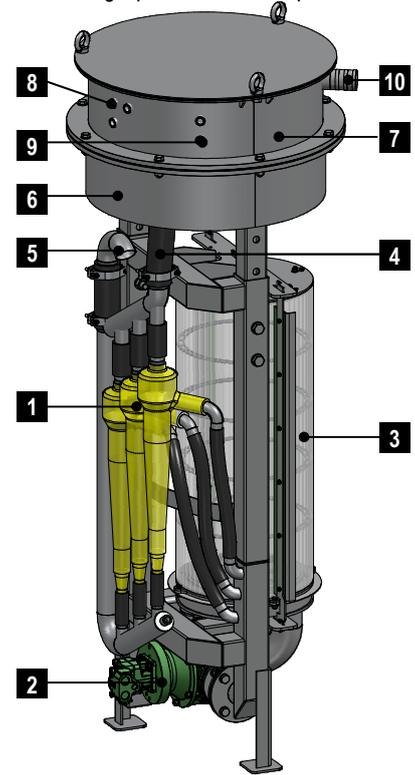
**COMPACT RECYCLING MODULE: GUARANTEED WORKING AUTONOMY, WITH A SMALL FOOTPRINT**

The recycling system enables a percentage of suctioned water to be reused thanks to the separation of a large part of the solid particles in suspension, which could otherwise damage the high-pressure pump and pipes.

Therefore, a continuous amount of clean water is guaranteed without needing to resort to external supplies. Moreover, the system enables the thickening of sewage and the consequent transport of larger amounts of solid materials containing minimum percentages of water.

Main benefits:

- **EFFECTIVE FILTRATION WITH A SMALL FOOTPRINT**, the filter unit is designed to be installed inside the tank without affecting the overall size of the equipment. The module can be easily handled.
- **INSTALLATION FLEXIBILITY**, the filter unit can be easily adapted for installation on tanks with different diameters (from 1600 to 2000 mm), always guaranteeing the same level of filtration.
- **PERMANENT AND CONTINUOUS FILTERING UP TO 200 l/min OF WATER**, thanks to the combined action of two filters in series with different filtration grades: the first filter called “coarse filter”, able to filter up to 700 µm, combined with a second filter with filtering capacity up to 50 µm (\*).
- **EASY ELECTRICAL, HYDRAULIC AND WATER LINE CONNECTION**, using the sleeves at the top of the module.
- **HYDRAULIC ARRANGEMENT FOR SYSTEMS WITH FIXED OR VARIABLE DISPLACEMENT PUMP**.
- **POSSIBILITY OF ELECTRICAL INTERFACE WITH THE PLC WITH CAN-BUS PROTOCOL**.
- **OPERATING STATUS MONITOR INDICATORS INSTALLED IN THE MODULE AND VISIBLE FROM THE GROUND**.



**LEGEND**

1	Filtration cyclons	6	Sump to weld for tank installation (ø 700mm)
2	Recirculation centrifugal pump	7	Control devices compartment (PLC included in the supply)
3	Coarse filter	8	System monitoring indicators
4	Recycling water collector	9	Air/oil interface
5	Sludge discharge collector	10	Recycling water interface

(\*): limited to materials that may damage the piston pump (e.g. inert).

**INSTALLATION AND ACCESSORIES**

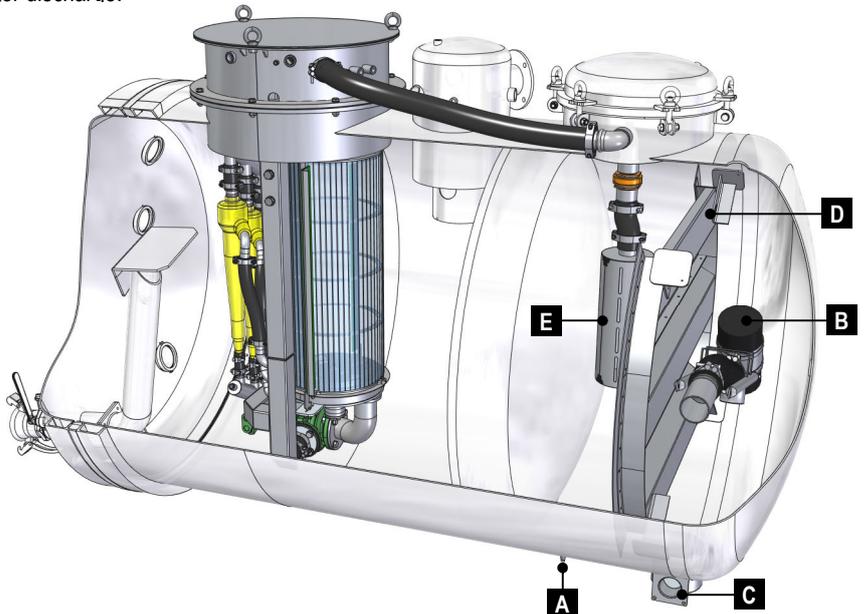
The filtering system is designed to be installed in the sludge compartment, through the supplied flanged sump. The system must be connected through 2” piping to the water compartment for clean water discharge.

Operating parameters:

- Hydraulic supply **50 l/min at 150 bar**;
- Pneumatic supply **6÷10 bar**;
- Power supply **12 or 24 Volt dc**.

Accessories required:

- A. Clean water compartment level sensor, for stopping recycling when the compartment is filled;
- B. Floating system (for aspiration at water level) in the suction line of the high pressure pump;
- C. Tank for settling and accumulation of solid fraction (connected to the discharge valve or to an emptying/cleaning system by vacuum);
- D. Clean water compartment baffle;
- E. Floating diffuser to prevents the creation of turbulences inside the recycled water compartment.



Jurop SpA reserves the right to make changes without notice. All components are available upon request.