

DRAINING BAGS REMDRY

Automatic/Manual Draining Bags Modules

MACHINE DESCRIPTION

The filtering module of the **REMDRY** series works according to the principle of gravity filtering. In the automatic version this function is aided by a cushion of air at low pressure (**0.2-0.3 atm**) that allows to increase the draining capacity and the sludge dryness.

The sludge, possibly preconditioned with organic polymers, is uniformly distributed in the disposable bags and after a few hours of operation can reach a degree of dewatering equal to **20-30%**. For example, a machine with 6 filtering bags can treat approximately **3500 - 4000 litres** of sludge at 2% of dry solids.



After a few hours it is possible to reach a 20% dry solids with a reduction in volume of about 10 times. The bags, closed with a special twisting tool, optional, are removed and deposited in a suitable area for a further reduction in volume due to evaporation.

The particular type of material of the bags allows only water to pass through from the inside toward the outside making it possible to achieve percentages of dry matter greater than 90% with a reduction of about **40-50 times** compared to the initial volume.

The reduction in volume obtained enables considerable savings in the costs of disposal allowing, because of the low capital and running costs, a very fast depreciation.

The draining bag modules **REMDRY** allow dewatering of sludges coming from processes of treating waters from:

- Civil plants.
- Preservation industries.
- Industrial laundries.
- Tanneries.
- Marble sawmills.
- Industrial plants in general.
- Small resorts WWTP.

MAIN FEATURES FOR DRAINING BAGS REMDRY

In the automatic version the module is equipped with an electric panel fitted for feed pump control. The panel permits:

1. PROGRAMMED FEEDING OF THE MODULE WITH FOLLOWING TIMED TOP-UPS.
2. CONTROL OF THE FEEDING PHASES ACCORDING TO THE TYPE OF SLUDGE.
3. CONTROL OF A FULL PASSAGE, NORMALLY OPEN PNEUMATIC VALVE.
4. PRESSURE CONTROL BY MEANS OF A CUSHION OF AIR AT LOW PRESSURE.
5. DISPLAY, WITH INDICATOR LIGHT, OF THE CYCLE END.

R.E.M. REMDRY can be equipped with the following accessories:

- control cabinet.
- ATEX or UL NEMA 7 EX-proof version.

- Air compressor.
- Electrically actuated valves.
- Safety release valve.
- Vibrating Dust filter.

STANDARD DIMENSIONAL DATA FOR DRAINING BAGS REMDRY

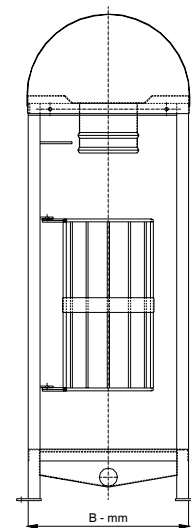
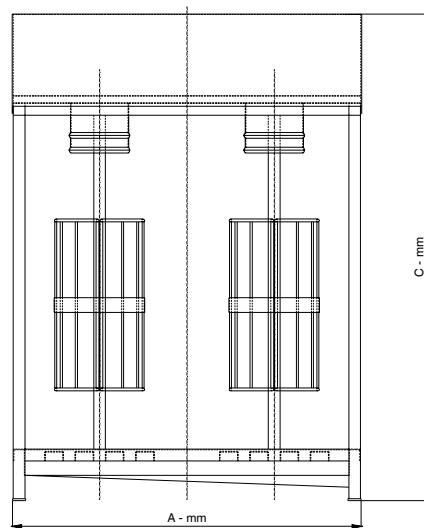
REMDRY MODELS	REMDRY100	REMDRY200	REMDRY300	REMDRY400	REMDRY600
A - mm	500	1100	2000	1100	2000
B - mm	500	600	600	1000	1000
C - mm	1300	1600	1600	1600	1800
CONNECTIONS	1"½	1"½	2"	2"	2"

Fabricated parts material:

*Stainless Steel AISI304

*Stainless Steel AISI316

Bags material: Polyester



n.b.: the manufacturer may modify some dimensions or sizes without prior information