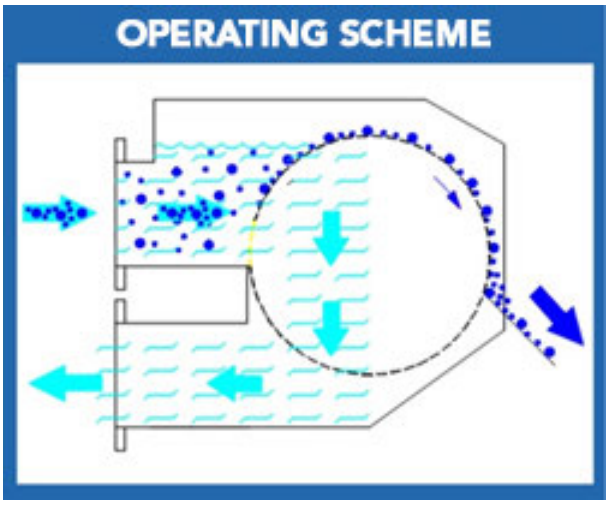
DIMAMEX
GRUPO DIAZ MARTIN MEXICO SA DE CV

Rotative Sieves

Filtration system for solid-liquid separation of waste water

The rotative sieves are equipment for the filtration or sieving of waste water and liquids in general in order to perform a **solid-liquid separation**. By its conception, it is a device of **self-cleaning operation**, capable of operating for long periods of time without needing attention.

This system allows to replace in many cases slabs, the elimination of coarse sands and up to 30% percentages of fats and leftovers. Its use is usual in many **industrial applications**.



How works a rotative sieve?

- The liquid to be filtered enters the rotative sieve through the **inlet pipe** and is evenly distributed along the entire **filter cylinder** which rotates at low speed.

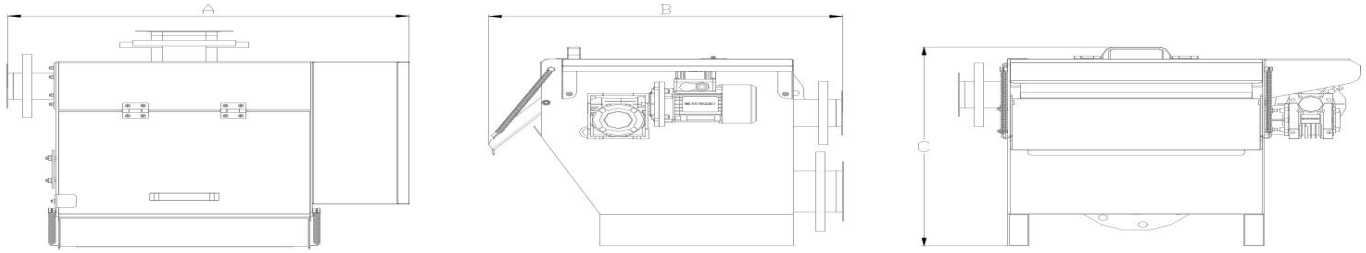
- The **solid particles** are retained on the surface of the same and are led to the **scraper**, which is responsible for separating and depositing them on a inclined tray for **gravity fall**.

- The **liquid** that passes through the **slits of the filter cylinder** is led to the outlet, located at the back of the body.

Its construction consists of the following elements:

- **Filter cylinder** made of stainless steel AISI 304, is constructed by helical winding of a triangular section profile welded over a series of perimetral longitudinal support profiles.
- **Body** made of stainless steel AISI 304, strong mechanically-welded construction, provided with liquid inlet and outlet and all sealing elements.
- **Cleaning scraper** in brass, fixed on a hinged tray of stainless steel, that adjusts to the cylinder by means of springs mounted in its ends.
- **Internal cleaning system** using pressure water made of micro perforated stainless steel tubing.
- Highly robust and maintenance-free **reduction motor** ensures uninterrupted use of equipment.
- Optionally it can be supplied with an **overflow piece**, which does not act as an overflow of the total flow, only over a specific excess that the equipment can have.

GENERAL DATA



MODEL	INSTALLED POTENCY Kw.	EMPTY WEIGHT Kg.	A mm	B mm	C mm	ENTRY FLANGE DN	OUTPUT FLANGE DN	OVERFLOW (Optional) DN
DIMW TR1	0,18	85	785	690	630	80	125	80
DIMW TR2	0,25	115	785	905	880	125	150	125
DIMW TR3	0,25	165	1035	905	880	150	200	125
DIMW TR4	0,25	190	1290	905	880	200	250	125
DIMW TR5	0,55	280	1010	1235	1190	200	250	150
DIMW TR6	0,55	330	1260	1235	1190	250	300	150
DIMW TR7	0,55	370	1760	1235	1190	300	350	150

Features to choose the rotating sieve you need:

In addition to the electrical power, and the size of the input and output flanges, the most relevant parameters are:

- The **flow** of water passage (in m3/h).
- **Light of passage** of the slits (in mm.).

Model	Light of passage of the slits					
	0,3	0,5	0,8	1	1,5	2
DimW TR1	10	15	20	25	30	30
DimW TR2	22	39	52	63	81	81
DimW TR3	34	60	81	99	125	125
DimW TR4	46	81	110	134	170	170
DimW TR5	59	106	143	174	221	221
DimW TR6	82	147	198	241	307	307
DimW TR7	128	228	309	375	477	477
DimW TR8	174	309	419	508	647	647

These capabilities are valid only for clean water. For waste water with SS up to 500 mg/l reduce capacity by 25% with clean water. You can consult with our technical department to select the suitable size.