

# STYRE PIPE FLOCCULATOR

WASTEWATER PRE-TREATMENT EQUIPMENTS



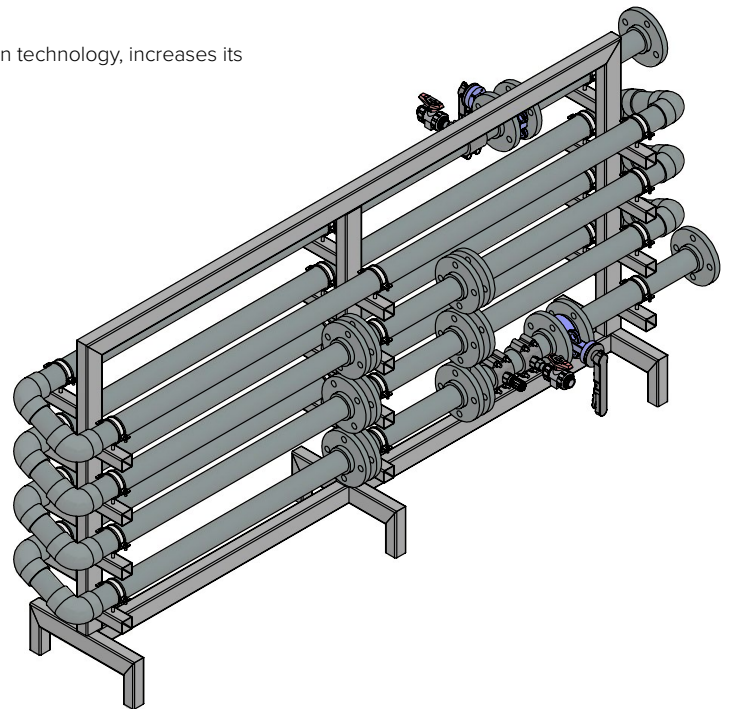
## STYRE PIPE FLOCCULATOR

ESLI STYRE pipe flocculators are designed in the most appropriate way to distribute the coagulant or flocculants to be dosed in the most appropriate way according to the operational needs. After dosing, mixing process takes place with the movement of water in the pipe and flocs are formed to be removed from the system in the next step.

ESLI STYRE Pipe Flocculator is an option that complements dissolved air flotation technology, increases its efficiency and performance, thus facilitating the purification process.

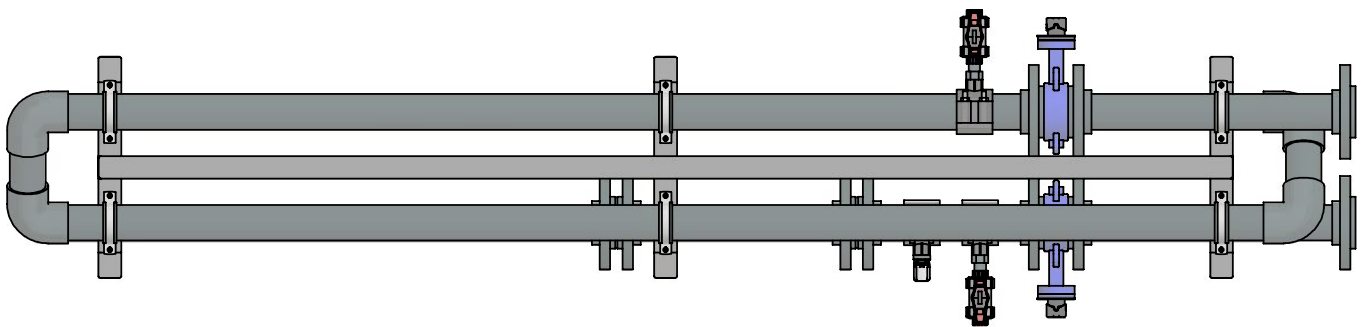
## ADVANTAGES OF THE SYSTEM

- It has a compact design structure.
- It has been designed with ease of maintenance in mind.
- It is specially designed to take up little space.
- No energy requirements to mix with special 90 degree elbow turns.
- Flocculator design is made according to the types of waste water and chemicals used.
- It is specially assembled and supplied to the customer.
- It can be designed with PVC or stainless steel material upon request.
- No power required for mixing.
- Minimum chemical consumption is ensured.



MODEL	CAPACITY (m <sup>3</sup> /hour)	MATERIAL	LENGTH (mm)	WEIGHT (mm)	HEIGHT (mm)
STYRE-PF	3,5 - 6	PVC/SS	2400	200	780
STYRE-PF	6 - 10	PVC/SS	2400	225	830
STYRE-PF	10 -15	PVC/SS	2400	250	910
STYRE-PF	15 - 25	PVC/SS	2800	325	1150
STYRE-PF	25 - 37	PVC/SS	2800	400	1190

\* Capacities are produced specially according to customer demand.



## WORKING PRINCIPLE OF ESLI STYRE PIPE FLOCCULATOR;

1. First, chemicals are dosed into the pipe flocculator. The pipe flocculator is equipped with special mixing lines with suitable angles that allow the chemicals to mix with the wastewater perfectly.
2. The STYRE pipe flocculator is specially designed for each specific wastewater type because mixing energies and mixing times are specially designed for different wastewaters.
3. Each design design is customer specific, the exact dimensions and appropriate angles will be calculated during the design.

## ESLI STYRE PIPE FLOCCULATOR CONSISTS OF THE FOLLOWING EQUIPMENT;

- Mixing pipes,
- Dosing points,
- Example points,
- Optional output line for pH measurement and control device will be added.
- ESLI STYRE Pipe Flocculator is designed to increase 90 degree elbow turns, shear force and mixing energy.

