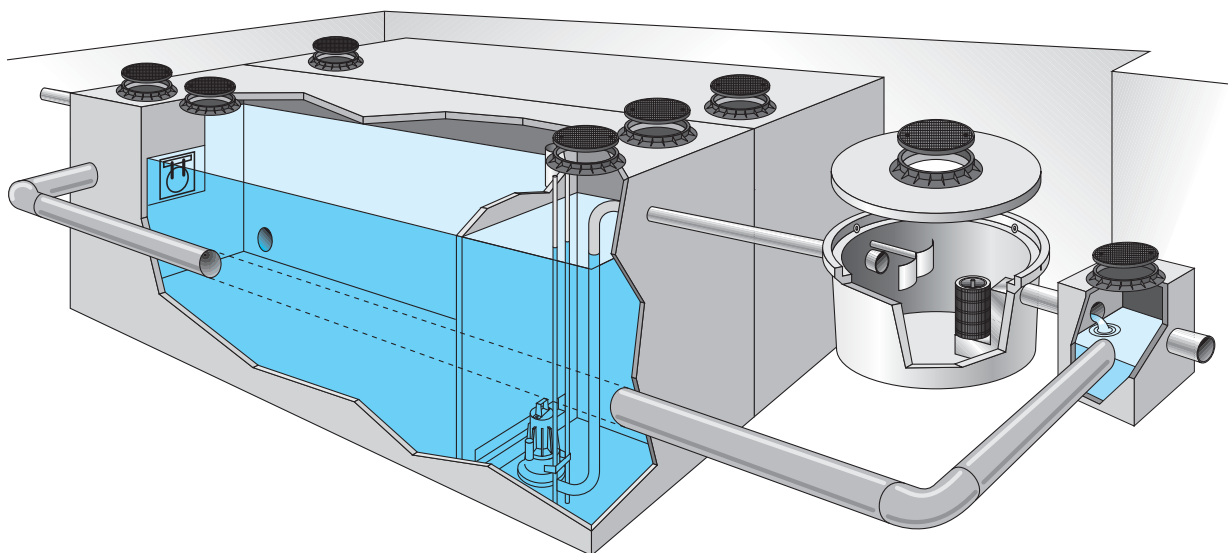


# RAIN WATER TREATMENT PLANTS AND EQUIPMENT

## MONOBLOC PARALLELEPIPED FIRST RAIN WATER TREATMENT PLANTS FOR SURFACES FROM 4.000 TO 30.000 SQM

Installations for large surfaces with first rain water treatment by means of a storage tanks system

### IPP/AM series



### WHAT MONOBLOC PARALLELEPIPED FIRST RAIN WATER TREATMENT PLANTS FOR SURFACES FROM 4000 TO 30.000 SQM IPP/AM SERIES ARE

First rain water treatment plants type EURO MEC IPP/AM series are designed in compliance with the Norms prescriptions in force. Their correct use allows the reduction of the ground water pollution and impoverishment, because they convey the meteoric water into the sewers or on site after separating the first rain water, which is collected into suitable storage basins. The stored water is subsequently pumped out of the basin with a constant and limited flow rate during 48 hours, in accordance with the current laws, towards the sewers or the final treatment plant.

Optional oil separators can be located forward the first rain water treatment plant type EURO MEC IPP/AM series. Such separators are dimensioned according to the equalized flow rate and DIN 1999 Norms as well as equipped with a coalescence filter.

First rain water treatment plants type EURO MEC IPP/AM series are composed of highly resistant reinforced concrete monobloc parallelepiped tanks.

The cover is carriageable and complete with D400 cast iron inspection manholes.

### HOW MONOBLOC PARALLELEPIPED FIRST RAIN WATER TREATMENT PLANTS FOR SURFACES FROM 4000 TO 30.000 SQM IPP/AM SERIES WORK

The first rain water collected into the EURO MEC plants IPP/AM series are drained into the controlled flow rate sewers network.

The first rain water volume evacuation must be carried out according to the current laws, during a minimal time of 48 hours between a meteoric event and another.

An electronic device detects when a precipitation begins and when the tank is subsequently filled up, memorizing this datum and activating the controlled flow rate lifting pump after a given programmable time.

When the basin reaches the maximum level equal to the polluted first rain water discharged volume a particular device stops pouring

water into the tank and sends the subsequent diluted water into a water dispersion shaft or a superficial water stream.

The stored sewage is evacuated by means of a lifting pump with electrically controlled constant flow rate.

The sewage water can undergo an oil separation treatment with or without coalescence filters or chemical/physical installation before being sent into the sewers or centralized depuration plant.

### USED MATERIALS

Tanks	:	highly resistant reinforced vibrated concrete
Shafts	:	D400 cast iron class
Internal carpentry	:	AISI 304 stainless steel

### SPECIFICATION

"Supply of a monobloc parallelepiped first rain water treatment plant IPP/AM series for the treatment of first rain water with storage basins, dimensioned according to the Norms prescriptions in force.

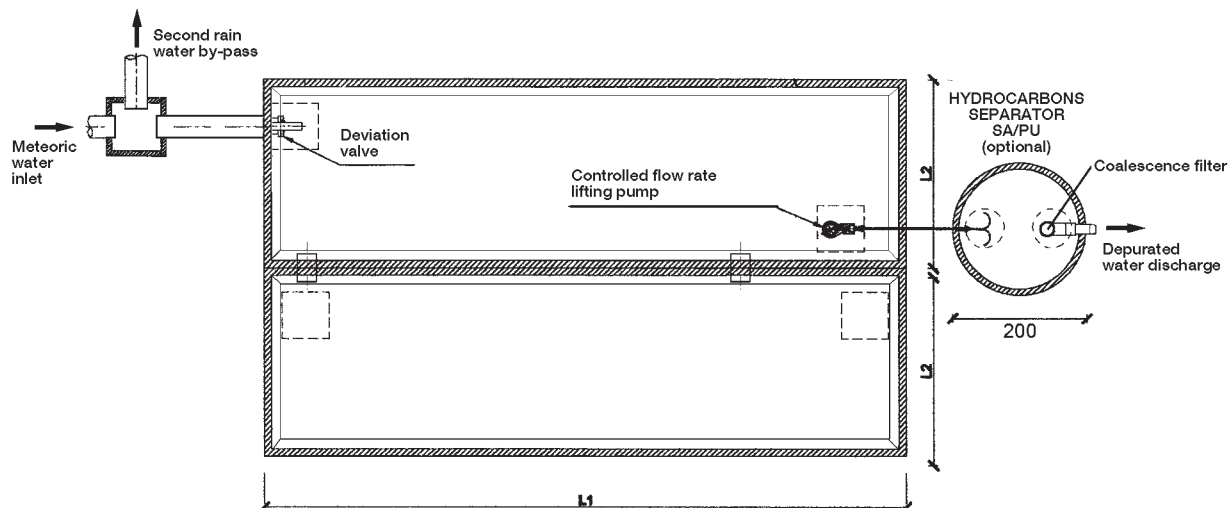
and composed of prefabricated highly resistant reinforced concrete monobloc tanks, carriageable for heavy traffic.

The installation is also equipped with PVC pipe connections with the tanks bottom, D400 cast iron inspection manholes, AISI 304 non return valves for the first rain water separation, submersible stored water lifting electropump complete with automatic coupling foot to the delivery piping, level control sensor with conductive principle, electrical command panel and electronic logic protection (PLC) programmable from the inside.

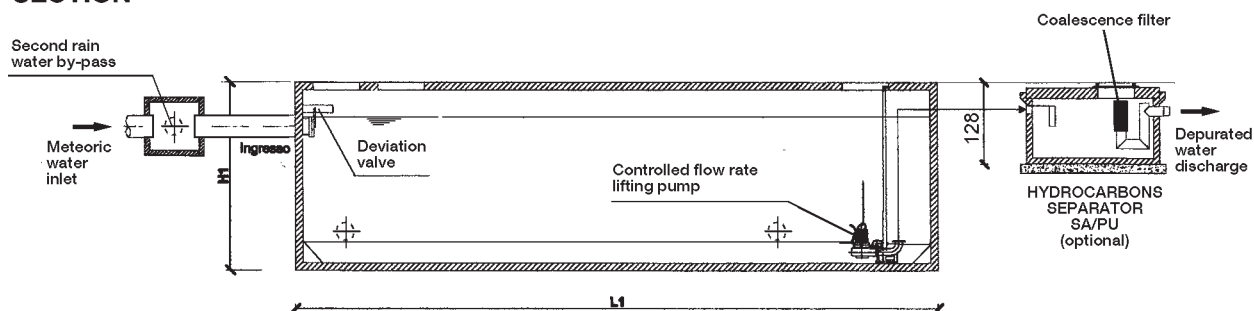
The supply also comprehends a sand separation and oil separation section type EURO MEC SA/PU series with concrete tanks dimensioned according to the DIN 1999 Norms equipped with coalescence filter and floating non return valve with carriageable cover for heavy traffic and D400 cast iron inspection manholes."

## STANDARD PRODUCTION

### PLAN



### SECTION



MODEL	PARKING SURFACE sm q	FIRST RAIN WATER VOL. mc	ISTANT FLOW RATE l/sec	TANKS NUMBER n.	WIDTH m	HEIGHT m	LENGHT m	SEPARATOR* SA/PU TYPE	INSTALLED POWER kW	WEIGHT q.l.s
IPP/AM 4000	4000	20	22,22	1	2,5	2,7	5	NG8	1,2	226
IPP/AM 5000	5000	25	27,78	1	2,5	2,7	6	NG8	1,2	266
IPP/AM 6000	6000	30	33,33	1	2,5	2,7	7	NG8	1,2	311
IPP/AM 7000	7000	35	38,89	1	2,5	2,7	8	NG8	1,2	331
IPP/AM 8000	8000	40	44,44	2	2,5	2,7	4,5	NG8	1,2	346
IPP/AM 9000	9000	45	50,00	2	2,5	2,7	5	NG8	1,2	406
IPP/AM 10000	10000	50	55,56	2	2,5	2,7	5,5	NG8	1,2	486
IPP/AM 12000	12000	60	66,67	2	2,5	2,7	6,5	NG8	1,2	526
IPP/AM 14000	14000	70	77,78	2	2,5	2,7	7,5	NG8	1,2	586
IPP/AM 16000	16000	80	88,89	3	2,5	2,7	6,0	NG8	1,2	626
IPP/AM 18000	18000	90	100,00	3	2,5	2,7	6,5	NG8	1,2	766
IPP/AM 20000	20000	100	111,11	3	2,5	2,7	7	NG8	1,2	826
IPP/AM 22000	22000	110	122,22	3	2,5	2,7	8,0	NG8	1,2	901
IPP/AM 25000	25000	125	138,89	4	2,5	2,7	7	NG8	1,2	1086
IPP/AM 28000	28000	140	155,56	4	2,5	2,7	7,5	NG8	1,2	1126
IPP/AM 30000	30000	150	166,67	4	2,5	2,7	8,0	NG8	1,2	1186

The above written data are given as information. The Society EURO MEC S.r.l. reserves the right to change them in every moment.

\* Optional hydrocarbons separator SA/PU type with coalescence filter.