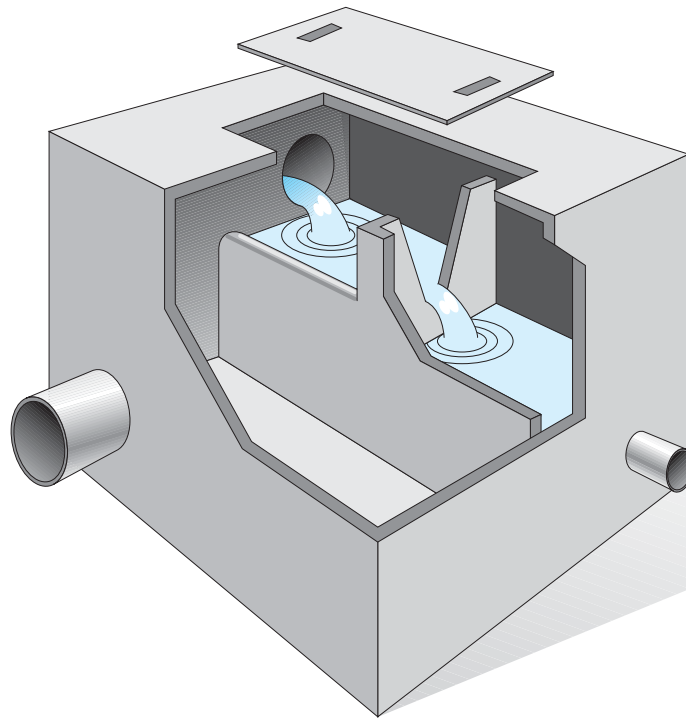


## MONOBLOC PARALLELEPIPED FIRST RAIN WATER DIVIDING PLANTS

SSP series



### WHAT MONOBLOC PARALLELEPIPED FIRST RAIN WATER DIVIDING PLANTS SSP SERIES ARE

Monobloc parallelepiped first rain water dividing plants type EURO MEC SSP series are used to limit the pollution and impoverishment of the underground water resources, thanks to the first rain water treatment. They are composed of a monobloc highly resistant reinforced concrete parallelepiped tank ensuring a total leak absence and the absence of ground infiltrations, a carriageable cover and concrete inspection shafts.

The installation can be located also in presence of ground water. Monobloc parallelepiped first rain water dividing plants type EURO MEC SSP series are necessary to control the water coming into the drainage system, because they allow its drainage through the natural filtering into the ground by separating the first rain water for the drainage system or for the depuration plant, without pollution for the ground water.

According to the Directive 91/271/CEE we consider first rain water the water corresponding to the first 5 mm of each precipitation (equal to 50 mc/h) evenly distributed on the total draining area treated by the draining network. In order to calculate such flow rates it has been established that this data can be obtained in 15 minutes.

The following afflux coefficients have been considered: 1 for covered/paved/waterproofed surfaces, and 0,3 for every kind of permeable surface except for cultivated areas.

### HOW MONOBLOC PARALLELEPIPED FIRST RAIN WATER DIVIDING PLANTS SSP SERIES WORK

First rain water is pollutant because it contains sand, oils and hydrocarbons and therefore it is separated from the subsequent water (with no relevant pollution) by a calibrated overflow pipe "cipolletti" type designed according to the udometric coefficient comparing the "hourly afflux coefficient" (which considers a 15 minutes rain precipitation in the tank area) with the "delay coefficient" (which considers the basin area as well as the tank/network slope)

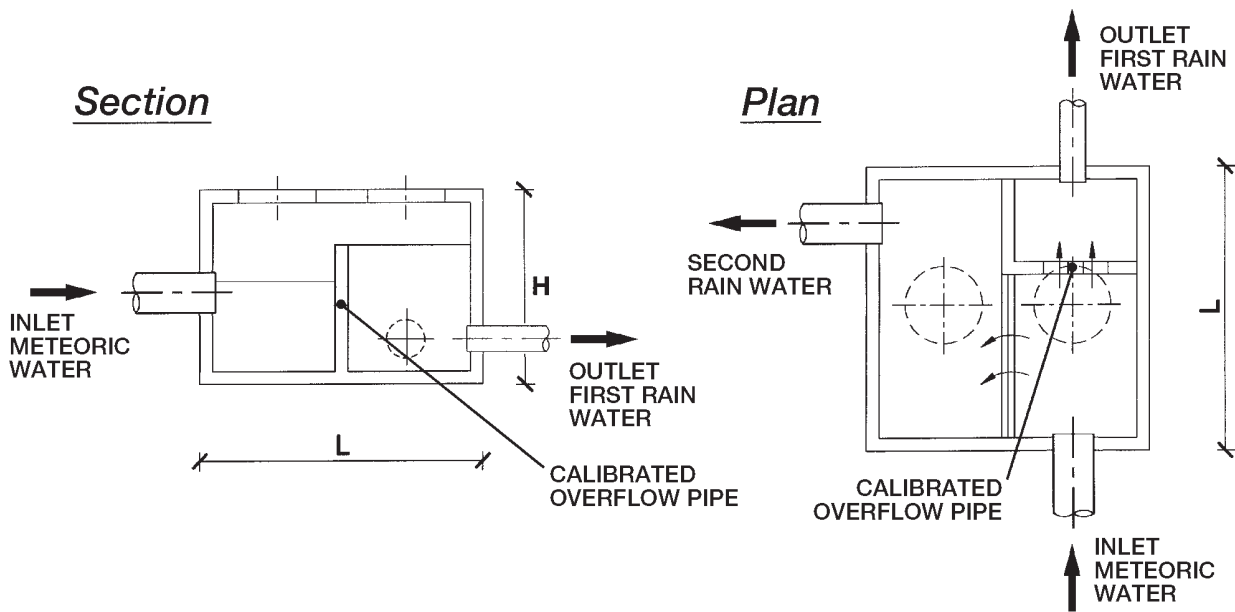
#### USED MATERIALS

- |        |   |  |
|--------|---|--|
| Tanks  | : | highly resistant reinforced vibrated concrete  |
| Shafts | : | concrete<br>(by request: class D400 cast iron) |

#### SPECIFICATION

"Supply of a monobloc parallelepiped water dividing plant for first rain water type EURO MEC SSP series made of highly resistant reinforced concrete, with carriageable cover, concrete manholes and dimensioned with internal overflow pipe type "cipolletti". "

**STANDARD PRODUCTION**



MODEL	DRAINING SURFACE mq.	UDOMETRIC COEFFICIENT l/s	SIDE L cm	HEIGHT H cm	WEIGHT q.l.s
SSP 10	1000	0,7	130 x 130	150	18
SSP 20	2000	1,4	130 x 130	150	18
SSP 30	3000	2,1	130 x 130	150	18
SSP 40	4000	2,8	130 x 130	150	18
SSP 50	5000	3,5	160 x 160	150	28
SSP 60	6000	4,2	160 x 160	150	28
SSP 70	7000	4,9	160 x 160	150	28
SSP 80	8000	5,6	160 x 160	150	28
SSP 90	9000	6,3	160 x 160	150	28
SSP 100	10000	7,0	160 x 160	150	28
SSP 110	11000	7,7	200 x 200	150	50
SSP 120	12000	8,4	200 x 200	150	50
SSP 130	13000	9,1	200 x 200	150	50
SSP 140	14000	9,8	200 x 200	150	50
SSP 150	15000	10,5	200 x 200	150	50

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