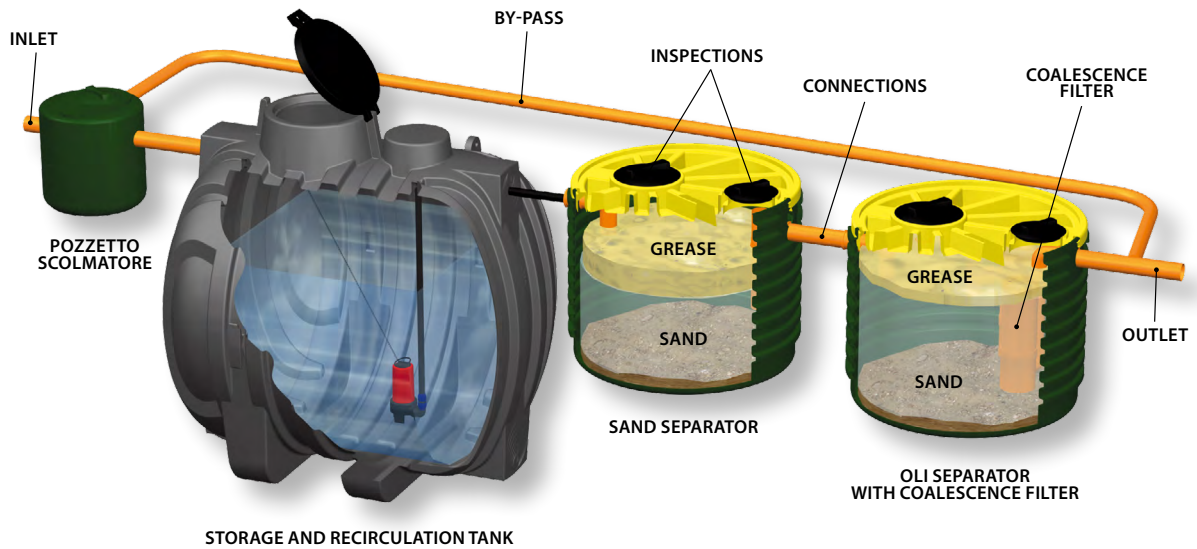


# Polyethylene plants for water treatment

## First rain water treatment installation with storage and recirculation

### Technical specifications

Supply of a first rain water treatment installation type EMS WATER TECHNOLOGY series IPP/PE, for the first rain water treatment with storage tanks, dimensioned according to the Lombardy regional regulation n. 62 dated 27 May 1985, composed of high density linear polyethylene monobloc rotomoulded tanks, complete with PVC connections to the tank bottom, threaded PVC manholes, equipped with backflow valve, submersible electrical pump for lifting the stored water complete with timed electrical panel. The supply also includes the sand and oil separations section with a high density linear rotomoulded polyethylene (LLDPE) tank, dimensioned according to the EN 858-1 regulations, equipped with coalescence filter. Two threaded PVC manholes are located in the upper end for inspection, discharge and cleaning purposes.



			IPA/PE 500	IPA/PE 1000	IPA/PE 2000	IPA/PE 3000	IPA/PE 4000	IPA/PE 6000	IPA/PE 8000	IPA/PE 10000	IPA/PE 12000
<b>Waterproofed surface</b>		m <sup>2</sup>	500	1000	2000	3000	4000	6000	8000	10000	12000
<b>Rain volume</b>		l	2500	5000	10000	15000	20000	30000	40000	50000	60000
<b>Rainwater flow</b>		l/s	2,8	5,5	11	16	22	33	44	55	66
<b>Spillway</b>	Ø	mm	790	790	790	790	790	790	790	790	790
	H	mm	790	790	790	790	790	790	790	790	790
	Ø pipes E/U	mm	125	125	125	160	160	200	200	250/200	250/200
<b>Storage tank</b>	Accum. volume	l	3000	5000	10100	15000	20200	30300	40400	50500	60600
	Lenght	mm	2090	2230	2780	2230	2780	2780	2780	2780	2780
	Width	mm	100	1780	2430	1780	2430	2430	2430	2430	2430
	H	mm	1750	2270	2580	2270	2580	2580	2580	2580	2580
	Tanks number	-	1	1	1	3	2	3	4	5	6
	Pump consumption	kW	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25
<b>Sand separator</b>	Sand separator volume	l	1350	1350	1350	-	-	-	-	-	-
	Ø	mm	1150	1150	1150	-	-	-	-	-	-
	H	mm	1720	1720	1720	-	-	-	-	-	-
<b>Oli separator with coalescence filter</b>	Oil separator volume	l	872	872	872	872	872	872	872	872	872
	Ø	mm	1150	1150	1150	1150	1150	1150	1150	1150	1150
	H	mm	1220	1220	1220	1220	1220	1220	1220	1220	1220