

ENVIA[®] DESIGNER'S AID

FOR EQUIPMENT SELECTION

ENVIA TRP/BOX EQUIPMENT, THE NUMBER OF ITS TECHNICAL LICENCE FOR BUILDING (ÉME): ÉME-40/2007

ENVIA CRC/CRC+ EQUIPMENT, THE NUMBER OF ITS TECHNICAL LICENCE FOR BUILDING (ÉME): ÉME-41/2007

This Aid provides assistance to designers and investors to enable them to select the most suitable equipment from the type offering for their installation site, that can meet the given treatment requirements.

This document provides the equipment parameters, and it contains the operations scheme and the installation dimensions.

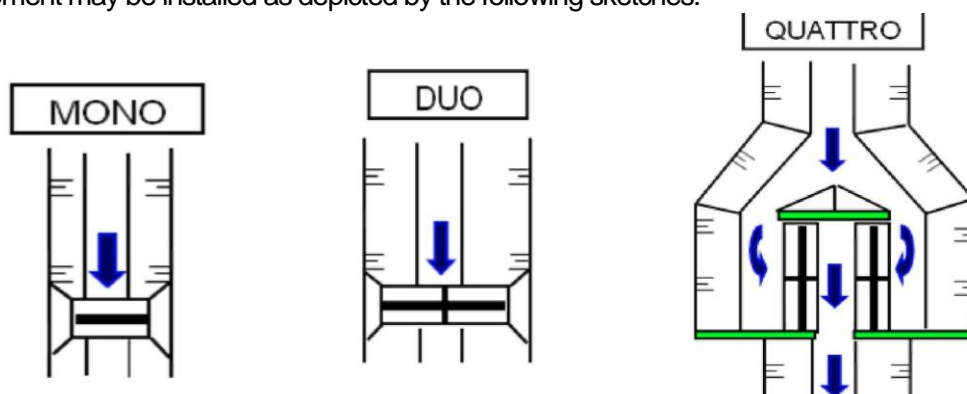
Please do not hesitate to contact our colleagues with your queries that emerge during the selection process. Our colleagues are entirely at your service: they send the documentation of the equipment to you, even in editable format that can be inserted into drawings; they provide on-site consultation; when and if necessary, they take part in the selection, design, licencing or construction processes.

ENVIA TRP / BOX drift- and light liquid separator equipment installable to open-surface stormwater drainage channels or ditches

Before and after the equipment the cross-section of the water-course bed must be paved; we recommend to make the pavement up to the dammed-up water-level. A drift-trap area should be constructed before the equipment, which should be made from commercially available bottom-pavement elements, lowered typically below the bottom level of the water course. The required volume is variable in accordance with the contamination levels of the water to be treated, and the types of the contamination. A recommendation: 10-times the dimensioning value of the input water quantity (calculated in l/s) should be specified (in litres) for the volumes, in the case of public roads and motorways.

Installation sketches for the equipment

Depending on the water quantity flowing through the equipment, and in accordance with the width dimensions, the equipment may be installed as depicted by the following sketches:



Type selection, product parameters:

ENVIA TRP drift- and light liquid separator equipment installable to open-surface storm water drainage channels or ditches, for **5 mg/l SZOE/TPH** limit values for the territorial categories 2. 3. and 4. under Annex 2 of the Regulation 28/2004. (XII. 25.) KvVM.

Article number								Inclusive dimensions			Mass m [T]
								H [mm]	B [mm]	L [mm]	
ENVIA®	TRP	M	1	A	5	N	60 / 120	800	1500	900	1,3
ENVIA®	TRP	M	1	B	5	N	75 / 150	900	1500	900	1,4
ENVIA®	TRP	M	1	C	5	N	90 / 180	1100	1500	900	1,7
ENVIA®	TRP	M	1	D	5	N	100 / 200	1100	1500	900	1,6
ENVIA®	TRP	D	1	A	5	N	125 / 250	800	2600	900	1,8
ENVIA®	TRP	D	1	B	5	N	150 / 300	900	2600	900	1,9
ENVIA®	TRP	D	1	C	5	N	200 / 350	1100	2600	900	2,3
ENVIA®	TRP	D	1	D	5	N	225 / 400	1100	2600	900	2,2
ENVIA®	TRP	Q	1	A	5	N	250 / 500	2 units of parallelly installed D1A5N 125/250			
ENVIA®	TRP	Q	1	B	5	N	300 / 600	2 units of parallelly installed D1B5N 150/300			
ENVIA®	TRP	Q	1	C	5	N	400 / 700	2 units of parallelly installed D1C5N 200/350			
ENVIA®	TRP	Q	1	D	5	N	450 / 800	2 units of parallelly installed D1D5N 225/400			

ENVIA TRP drift- and light liquid separator equipment installable to open-surface storm water drainage channels or ditches, for **2 mg/l SZOE/TPH** limit values for the territorial categories 1. 2. 3. and 4. under Annex 2 of the Regulation 28/2004. (XII. 25.) KvVM.

Article number								Inclusive dimensions			Mass m [T]
								H [mm]	B [mm]	L [mm]	
ENVIA®	TRP	M	2	A	2	N	40 / 80	800	1500	1350	1,7
ENVIA®	TRP	M	2	B	2	N	55 / 110	900	1500	1350	1,9
ENVIA®	TRP	M	2	C	2	N	75 / 150	1100	1500	1350	2,2
ENVIA®	TRP	M	2	D	2	N	85 / 170	1100	1500	1350	2,2
ENVIA®	TRP	D	2	A	2	N	100 / 200	800	2600	1350	2,4
ENVIA®	TRP	D	2	B	2	N	125 / 250	900	2600	1350	2,6
ENVIA®	TRP	D	2	C	2	N	180 / 320	1100	2600	1350	3,0
ENVIA®	TRP	D	2	D	2	N	200 / 360	1100	2600	1350	3,0
ENVIA®	TRP	Q	2	A	2	N	200 / 400	2 units of parallelly installed D2A2N 100/200			
ENVIA®	TRP	Q	2	B	2	N	250 / 500	2 units of parallelly installed D2B2N 125/250			
ENVIA®	TRP	Q	2	C	2	N	360 / 640	2 units of parallelly installed D2C2N 180/320			
ENVIA®	TRP	Q	2	D	2	N	400 / 720	2 units of parallelly installed D2D2N 200/360			



ENVIA BOX drift- and light liquid separator equipment installable to open-surface storm water drainage channels or ditches

ENVIA BOX drift- and light liquid separator equipment installable to open-surface storm water drainage channels or ditches, for **5 mg/l SZOE/TPH** limit values for the territorial categories 2. 3. and 4. under Annex 2 of the Regulation 28/2004. (XII. 25.) KvVM.

Article number							Inclusive dimensions			Mass
							H [mm]	B [mm]	L [mm]	m [kg]
ENVIA®	BOX	D 1	A 5	W 125	500	2000	680	90		
ENVIA®	BOX	D 1	B 5	W 150	600	2000	680	100		
ENVIA®	BOX	D 1	C 5	W 200	800	2000	680	120		

ENVIA BOX drift- and light liquid separator equipment installable to open-surface storm water drainage channels or ditches, for **2 mg/l SZOE/TPH** limit values for the territorial categories 1. 2. 3. and 4. under Annex 2 of the Regulation 28/2004. (XII. 25.) KvVM.

Article number							Inclusive dimensions			Mass
							H [mm]	B [mm]	L [mm]	m [kg]
ENVIA®	BOX	D 2	A 2	W 100	500	2000	1000	130		
ENVIA®	BOX	D 2	B 2	W 125	600	2000	1000	150		
ENVIA®	BOX	D 2	C 2	W 180	800	2000	1000	180		

ENVIA CRC / CRC + drift- and light liquid separator equipment installable in gully holes

ENVIA® CRC / CRC + drift- and light liquid separator equipment installable in gully holes, for **5 mg/l SZOE/TPH** limit values for the territorial categories 2. 3. and 4. under Annex 2 of the Regulation 28/2004. (XII. 25.) KvVM.

Article number			Rated output l/s	Inclusive dimension		Mass m [kg]
				ø [mm]	h [mm]	
ENVIA®	CRC	COMBI	5	330	600	38
ENVIA®	CRC	COMBI +	7	440	600	53

Please contact our colleagues for assistance for selecting and constructing the equipment marked by „Q”, the BOX design equipment, and the CRC equipment.



Key to the type code:

ENVIA® TRP M 1 A 5 N 60 / 120



Equipment to be fitted into a TRaPezoid section



M = MONO type of equipment

D = DUO (double unit) an equipment of double design

Q = QUATTRO (quadruple units) an equipment of quadruple design



The number of filters: **1 pc.** The width of the equipment: 25 cm.

The number of filters: **2 pcs.** The width of the equipment: 70 cm.



The height of the weir wall/ Filter insert (cm):

A: 27,5 / 50

B: 35,0 / 60

C: 51,0 / 80

D: 43,5 / 80



for **5 mg/l** SZOE/TPH value

for **2 mg/l** SZOE/TPH value



Normal design: the weir wall is included by the prefabricated reinforced concrete receiver structure



Nominal treatment capacity (the by-pass line is out of operation!; l/s)



Nominal hydraulic capacity (together with the by-pass line; l/s)

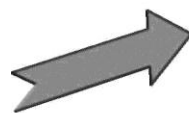
Installation dimensions:

H – full height

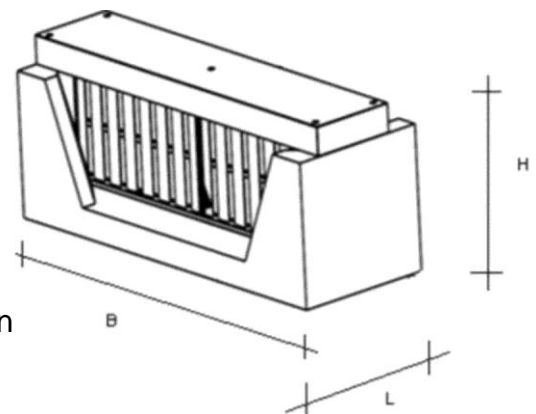
B – width

L – length

Should you have any questions, please do not hesitate to contact us, or to visit our web site where you can find further useful information in connection with our equipment and products.



flow direction



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