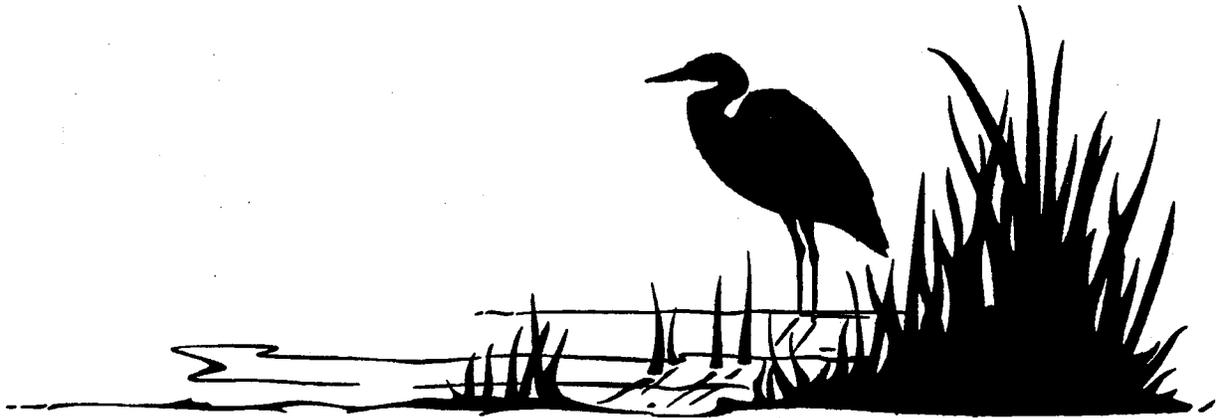


Appendix E
Copatrawl® Data Sheets

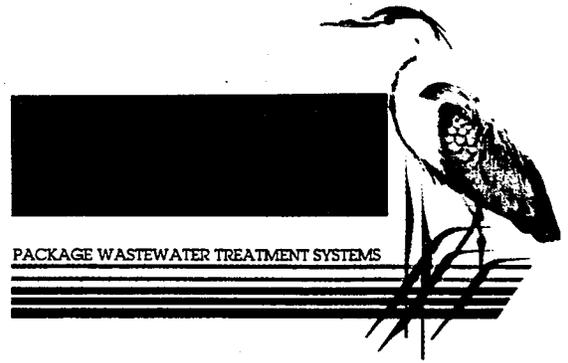
THE HYDRO-AEROBICS SCREENING COLLECTION

INCLUDING

- THE COPASAC
- THE COPATRAWL
- THE AGISAC
- THE AGITRAWL



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Thank you very much for your interest in the Hydro-Aerobics Screening and Stormwater Management Collection. Hydro-Aerobics, Inc., a member of the Thames Water Group, is proud to announce the addition of this collection into our product line.

The products in this collection were obtained by Hydro-Aerobics through a licensing agreement with Copa Products Limited of the United Kingdom. The screening products available include HydroSacs, HydroTrawls, AgiSacs and AgiTrawls. These sacs provide fine screening of crude sewage, settled sewage, final effluent and stormwater overflows-leaving bagged and washed screenings which are ready for safe and convenient disposal. The stormwater management products available through the agreement include tipping buckets, cross-wave screens, raked-bar screens and floating ladders.

As a leading company in the wastewater treatment industry, Hydro-Aerobics prides itself on offering world class quality products such as those available through the Screening and Stormwater Management Collection. The proven performance of these products has enabled Copa to become pioneers in sac screening technology and stormwater management. We are confident that you will find the Copa products to be a very valuable addition to the Hydro-Aerobics product line.

The Product Launch Packet presented here is intended to provide you with basic information about the products available from The Hydro-Aerobics Screening and Stormwater Management Collection. For additional information on this equipment, please do not hesitate to contact myself or Kristi Sherwin at Hydro. Hydro-Aerobics looks forward to putting our technology, knowledge and manufacturing capabilities to work for you.

Very truly yours,


Fred D. Tipton
President

Hydro-Aerobics, Inc.
Part of the Thames Water Plc Group
Registered office: 14 Cavendish Place
London W1M9DJ



APPLICATIONS



COPASAC is a sac screening system, screening down to 3 mm with no moving parts, using disposable sacs.

Copasac, being of modular design, can be made to fit into most sewage treatment applications, be it retrofit to an existing works or as part of a new scheme.

TYPICAL APPLICATIONS

- *Filter arm protection on trickling filters.*
- *Emergency/storm overflow screen.*
- *Screening of final effluent.*

Copasac's prime application is to screen settled sewage in the dosing syphon or distribution chamber, to improve the integrity of the works by protecting the filter arm sparge holes from blockage. The applications for Copasac have now spread to include screening storm overflows, storm tanks and final effluent.

Copasac has been proven to reduce works visit frequency, due to better distribution of effluent to the filter bed.

TECHNICAL INTRODUCTION



Copasac is available in a variety of mesh sizes:

- 3 mm
- 6 mm
- 12 mm

The mesh size is dependent upon the application, as shown in the table below:

	3 mm	6 mm	12 mm
<i>Settled Primary Sewage</i>	X		
<i>Final Effluent</i>	X		
<i>Discharge From Storm Tanks</i>	X	X	
<i>Storm Overflow</i>		X	X
<i>Emergency Overflow</i>			X

Recommended Mesh and Application

Copasac's modular design allows them to be retrofitted in almost any configuration in most locations on a sewage treatment works.

The disposable Copasac is attached to a GRP nose box by two pins. The moulded nose box is located in a moulded GRP slider section for easy removal.

When the Copasac is about one quarter full, it should be disposed of. A draw cord ensures that the clean screenings remain within the sac.

Accessories include:

- *Lifting Handles*
- *Outlet Protection Grid*
- *Walkways*
- *Wheelie bins for collection and draining of used Copasacs.*

The Hydro-Aerobics Screening Collection

TECHNICAL DATA



DESIGN DATA

Maximum Flow Rate	:	198 GPM/sac
Maximum Fall from Invert	:	9.8 inches
Average Sac Change Frequency	:	2 to 4 weeks

PRODUCT DATA

Sacs		Dimensions
LG 2-3	:	19.7 x 31.5 in.
LG 2-3R	:	19.7 x 31.5 in. (<i>Packed</i>)
DG 4-6	:	19.7 x 31.5 in. <i>in</i>
G 10-12	:	19.7 x 31.5 in. <i>100s</i>)
DG 4-6 (Small Sacs)	:	19.7 x 22.8 in.

Nose Boxes		H x W x D
Type "O"	:	5.2 x 17.3 x 5.8 in.
Type "A"	:	14.0 x 10.0 x 6.1 in.
Type "B"	:	10.0 x 14.0 x 6.1 in.
Copasac Wheelie Bins	:	43.3 x 23.6 x 34.4 in.

Combined Weight of Sac and Nose Box (<i>Empty</i>)	:	2.6 pounds
Combined Weight of Sac and Nose Box (<i>Quarter Full</i>)	:	11.0 pounds

MATERIALS OF CONSTRUCTION

Sacs: *Fixed weave polypropylene mesh*
Nose Boxes: *Dough moulded GRP (Glass Reinforced Plastic)*
Sac Pins/Extension Handles/Framework: *Pultruded GRP*
Copasac Wheelie Bin: *Moulded polyethylene and stainless steel*
Fixings: *Stainless steel*

The Hydro-Aerobics Screening Collection

DESIGN CRITERIA



Copasac can be successfully used on the following sewage:

- *Settled Primary Sewage*
- *Final Effluent*
- *Stormwater/Emergency Overflows*
- *Settled Stormwater*

Maximum Flow Per Sac : 198 GPM/sac
(There is no limitation on the number of sacs that can be used, other than the space requirement.)

Minimum Distance from Invert of Nose Box to Floor : 3.9 inches

Maximum Distance from Invert of Nose Box to Floor : 9.8 inches
(Above 9.8 inches a sac support grid is required.)

Top Water Level should not exceed invert of nose box in discharge chamber.

SETTLED SEWAGE AND FINAL EFFLUENT

Typically between two and four weeks, when sac will be one quarter full.

SAC CHANGING FREQUENCY

STORMWATER/ SETTLED SEWAGE

Typically, the Copasac will need changing after every three to four events. However, it is advisable to change the sac as soon as possible

TENDER SPECIFICATION



Design, manufacture, install and commission a disposable sac screening system into the:

Dosing Syphon/Distribution Chamber

Launder Channels

Final Effluent Channel

Outlet Weir of Storm Tank

Emergency/Storm Overflow Weir

A (*Specify the number of sacs required*) sac system shall be provided to screen down to (3 mm, 6 mm or 12 mm). The maximum flow to be screened is 198 GPM/sac.

The framework and nose box shall be manufactured from pultruded and dough moulded GRP (*Glass Reinforced Plastic*) and be secured using stainless steel fixings.

APPROVED PRODUCT:

Copasac, or similar.

SUPPLIER:

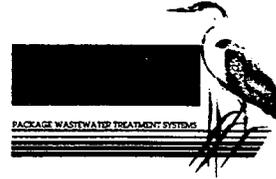
Hydro-Aerobics, Inc.

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The Hydro-Aerobics Screening Collection

APPLICATIONS



COPATRAWL is a sac screening system, screening down to 6 mm with no moving parts, using disposable trawl sacs.

Copatrawl can be made to fit into most sewage treatment applications, be it retrofit to an existing works or as part of a new scheme.

TYPICAL APPLICATIONS

- *Filter arm protection on trickling filters.*
- *Emergency/storm overflow screen.*
- *Screening of final effluent.*

Copatrawl's prime applications are on settled sewage protecting travelling filter arms on rectangular trickling filters, to improve the integrity of the works by protecting the filter arm sparge holes from blockage. The applications for Copatrawl have now spread to include screening storm overflows, storm tanks and final effluent.

Copatrawl has been proven to reduce works visit frequency, due to better distribution of effluent to the filter bed.

TECHNICAL INTRODUCTION



Copatrawl is available in a variety of mesh sizes:

- 6 mm
- 10 mm
- 12 mm
- 18 mm
- 25 mm

The mesh size is dependent upon the application, as shown in the table below:

	6mm	10mm	12mm	18mm	25mm
<i>Settled Primary Sewage</i>	X	X	X		
<i>Final Effluent</i>	X	X			
<i>Discharge From Storm Tanks</i>	X	X	X		
<i>Storm Overflow</i>	X	X	X	X	X
<i>Emergency Overflow</i>	X	X	X	X	X

Recommended Mesh and Application

Copatrawl's design allows it to be retrofitted in almost any configuration in most locations on a sewage treatment works.

The disposable Copatrawl is attached to a GRP nose box by two pins. The moulded nose box is located in a moulded GRP slider section for easy removal.

When the Copatrawl is about one quarter full, it should be emptied. A draw cord ensures that the clean screenings remain within the trawl sac.

Accessories include:

- *Lifting Davits*
- *Outlet Protection Grid*
- *Walkways*
- *Wheelie bins for collection and draining of used trawl sacs.*

The Hydro-Aerobics Screening Collection

TECHNICAL DATA



DESIGN DATA

Maximum Flow Rate	:	2378 GPM/sac
Maximum Fall from Invert	:	19.7 inches
Average Trawl Emptying Frequency (Settled Sewage)	:	Weekly

PRODUCT DATA

Trawl Sacs	:	126.0 in. circumference x 78.7 in. length (tapered) (Packed in fives)
Ideal Chamber Width	:	3.3 feet +
Copasac Wheelie Bins	:	43.3 x 23.6 x 34.4 in
Typical Davit	:	78.7 in height 31.5 in reach
Safe Working Load	:	220.5 pounds

MATERIALS OF CONSTRUCTION

Trawl Sacs: *Fixed weave polypropylene mesh*
Nose Boxes: *Fabricated GRP (Glass Reinforced Plastic)*
Sac Pins/Framework: *Pultruded GRP*
Copasac Wheelie Bin: *Moulded polyethylene and stainless steel*
Fixings: *Stainless steel*

DESIGN CRITERIA



Copatrawl can be successfully used on the following sewage:

- *Settled Primary Sewage*
- *Final Effluent*
- *Stormwater/Emergency Overflows*
- *Settled Stormwater*

Maximum Flow Per Sac : 2378 GPM/sac
(There is no limitation on the number of trawl sacs that can be used, other than the space requirement.)

Minimum Distance from Invert of Nose Box to Floor : 3.9 inches

Maximum Distance from Invert of Nose Box to Floor : 9.8 inches

Top Water Level should not exceed invert of nose box in discharge chamber.

SETTLED SEWAGE AND FINAL EFFLUENT

Typically weekly, when the trawl sac will be one quarter full.

SAC CHANGING FREQUENCY

STORMWATER/ SETTLED SEWAGE

Typically, the Copatrawl will need changing after every three to four events. However, it is advisable to change the trawl sac as soon as possible after each event.

TENDER SPECIFICATION



Design, manufacture, install and commission a disposable sac screening system into the:

Dosing Syphon/Distribution Chamber

Laundry Channels

Final Effluent Channel

Outlet Weir of Storm Tank

Emergency/Storm Overflow Weir

A (*Specify the number of sacs required*) trawl sac system shall be provided to screen down to (6 mm, 10 mm, 12 mm, 18 mm, or 25 mm). The maximum flow to be screened is 2378 GPM/sac.

The framework and nose box shall be manufactured from pultruded and dough moulded GRP (*Glass Reinforced Plastic*) and be secured using stainless steel fixings.

APPROVED PRODUCT: *Copatrawl, or similar.*

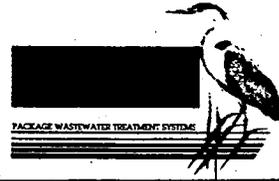
SUPPLIER: *Hydro-Aerobics, Inc.*

Tel: (513) 575-2800

Fax: (513) 575-2896

The Hydro-Aerobics Screening Collection

APPLICATIONS



AGISAC is designed to effectively screen crude sewage down to 3 mm, in the low population band of 100 to 2000 p.e.

Screening of crude sewage at low flows has always been a problem for conventional systems. The AgiSac has solved this problem, whilst also bagging and washing the screenings.

TYPICAL APPLICATIONS

- Inlet to small sewage treatment works from populations of 100 up to 2000.*
- Small sea outfalls removing visual debris to sensitive waters.*
- Storm overflows at the Sewage Treatment Works.*
- Emergency overflows on Pumping Stations.*
- Storm overflows within the Sewerage System.*

The AgiSac can be supplied as a self standing unit or be retrofitted into an existing chamber. The prime applications for AgiSac are the screening of small works inlets on package sewage treatment works. There have been many successful installations on works using RBCs, BAFs, Trickling Filters and Activated Sludge.

Other applications have included screening of sea outfalls, emergency and storm overflows.

For larger flows, please refer to AgiTrawl.

The Hydro-Aerobics Screening Collection

TECHNICAL INTRODUCTION



The AgiSac system uses a disposable sac for use in the screening of crude sewage. Based around proven Hydrosac technology, AgiSac is equipped with a unique agitation system which produces washed screenings down to a particle size of 3 mm, ready-bagged for easy disposal. The agitation system is powered via a worm gearbox, by a 1.5 Hp IP55 electric motor which can be operated on a three-phase, 415 volt supply or on a single-phase, 240 volt supply.

To minimize civil and installation costs, the AgiSac can be supplied in a high quality GRP chamber which comes complete with an interlocking cover; this can be installed above or below ground. Alternatively, the AgiSac can be installed in suitable existing chambers or structures with minimal modification.

Controlled from a purpose built (IP65) control panel, AgiSac is simple to operate. A "Fortress" safety interlock system ensures that the system must be isolated before access is allowed. The control panel features the following facilities:

- "Hours-run" meter*
- Ammeter*
- Emergency-stop button*
- Mains isolater*
- Manual/Off/Auto selection*
- Reset button*
- Trip light*
- Run light*
- "Mains on" light*

There is also a programmable timer to allow for intermittent or continuous operation.

TECHNICAL DATA



DESIGN DATA

Average Flow Rate	:	<i>72 GPM/sac</i>
Maximum Flow Rate	:	<i>119 GPM/sac</i>
Sac Change Frequency	:	<i>3 to 4 days</i>
500 pop/sac	:	<i>36 hours</i>
1500 pop/sac	:	

PRODUCT DATA

	External Dimensions L x W x H	Weight
Two-Sac AgiSac	<i>62.4" x 50.9" x 30.7"</i>	<i>265 pounds</i>
Four-Sac AgiSac	<i>62.4" x 87.6" x 30.7"</i>	<i>353 pounds</i>
Motor	:	<i>1.5 Hp, IP55 or submersible where required</i>
Running Current	:	<i>2.5 amps</i>
Start-up Current	:	<i>10.0 amps</i>
Gearbox	:	<i>Worm VF Series</i>
Control Panel	:	<i>GRP; IP65 enclosure</i>

MATERIALS OF CONSTRUCTION

Chamber/Nose Boxes: *Moulded GRP*

Agitation Beam: *Stainless Steel or Galvanised and Epoxy Coated Mild Steel*

The Hydro-Aerobics Screening Collection

TECHNICAL DATA



Bearings: *Stainless Steel Spherical, Stainless Steel Ball and Phosphur Bronze Oilite*

Fixings: *Stainless Steel*

Sacs: *Fixed Weave Polypropylene 2-3 mm Aperture LG 2-3R*

DESIGN CRITERIA



Sewage Type	:	<i>Crude</i>
Population Equivalent	:	<i>500 per sac</i>
Dry Weather Flow	:	<i>72 GPM/sac</i>
Storm Flow	:	<i>119 GPM/sac</i>
Sac Changing Frequency	:	<i>Three to four days.</i>
Screen Aperture Size	:	<i>3 mm x 2 mm</i>

EXAMPLE

2000 PE		
DWF	:	<i>72.9 GPM</i>
3DWF	:	<i>218.8 GPM</i>
6DWF	:	<i>437.5 GPM</i>
<i>Sac Changing Frequency</i>	:	<i>3 to 4 days</i>
SYSTEM REQUIRED	:	4-SAC AGISAC

TENDER SPECIFICATION



Manufacture, supply, install and commission a unit capable of screening a maximum flow of x GPM of crude sewage down to 3 mm; washing and bagging the screenings in disposable sacs.

The materials of construction should be of the non-corrosive type, ie. stainless steel and/or GRP. The sac change frequency should be no more than every 3-4 days.

The safety "*interlock system*" should be incorporated to prevent automatic start up of the system whilst the sacs are being changed.

APPROVED PRODUCT: *Agisac, or similar.*

SUPPLIER: *Hydro-Aerobics, Inc.*

Tel: (513) 575-2800

Fax: (513) 575-2896

APPLICATIONS



AGITRAWL is designed to effectively screen crude sewage down to 5 mm, in the population band of 2,000 to 10,000 p.e.

AgiTrawl offers an alternative to conventional screening methods, with significant capital cost savings of up to 50%.

TYPICAL APPLICATIONS

- Inlet screen to small sewage treatment works serving populations from 2,000 up to 10,000.*
- Small sea outfalls in the 2,000-10,000 pe range.*
- Storm overflows on Sewage Treatment Works.*
- Emergency overflows on Pumping Stations.*
- Screening of trade effluent from food processing, brewing and textile industries.*

The end product with AgiTrawl is bagged, washed screenings and crude sewage screened to 5 mm. The AgiTrawl can be supplied as a self standing unit or be retrofitted into an existing chamber. The prime applications for AgiTrawl are storm/emergency overflows, sea outfalls in sensitive areas and sewage works inlets.

For smaller application with lower flow rates, please refer to AgiSac.

The Hydro-Aerobics Screening Collection

TECHNICAL INTRODUCTION



The AgiTrawl system uses a semi-disposable sac for use in the screening of crude sewage. Based around proven Hydrosac and AgiSac technology, AgiTrawl is equipped with a unique agitation system which produces washed screenings down to a particle size of 5 mm, ready-bagged for easy disposal.

The AgiTrawl sacs are normally removed using a chain hoist-either manual or electric, of at least 1103 pounds capacity. Only one sac can be removed at a time.

The chain hoist slides on an "I" section beam, supported by "A" frame legs spanning the AgiTrawl units.

The sac is removed from the nose box and agitator beam and lifted using a three hook system to facilitate emptying (if the sac is to be reused), onto the chain hoist and moved over to the collection bin. The trawl sacs can either be emptied or discarded into the bin.

The agitation system is powered via a worm gearbox, by a 1.5 Hp IP55 electric motor which can be operated on a three-phase, 415 volt supply or on a single-phase, 240 volt supply.

To minimize civil and installation costs, the AgiTrawl can be supplied in a high quality GRP chamber which comes complete with interlocking cover; this can be installed above or below ground. Alternatively, the AgiTrawl can be installed in suitable existing chambers or structures with minimal modification.

Controlled from a purpose built (IP65) control panel, AgiTrawl is simple to operate. A safety interlock system ensures that the system must be isolated before access is allowed. The control panel features the following facilities:

- "Hours-run" meter*
- Ammeter*
- Emergency-stop button*
- Mains isolater*
- Manual/Off/Auto selection*
- Reset Button*
- Trip light, Run light, "Mains on" light*

There is also a programmable timer to allow for intermittent or continuous operation.

The Hydro-Aerobics Screening Collection

TECHNICAL DATA



DESIGN DATA

Average Flow Rate	:	397 GPM/sac
Maximum Flow Rate	:	793 GPM/sac
Total Sac Change Frequency	:	3 to 4 days

PRODUCT DATA

	External Dimensions	Weight
	L x W x H	
Two-Sac AgiTrawl	87.4" x 74.4" x 46.1"	1654 pounds
Four-Sac AgiTrawl	87.4" x 148.6" x 46.1"	3308 pounds
Motor	:	1.5 Hp, IP55 or submersible where required
Running Current	:	2.5 amps
Start-up Current	:	10.0 amps
Gearbox	:	Worm VF Series
Control Panel	:	GRP; IP65 enclosure

MATERIALS OF CONSTRUCTION

Chamber: GRP Clad Marine Grade Ply

Nose Boxes: GRP (Glass Reinforced Plastic)

Agitation Beam: Stainless Steel or Galvanised and Epoxy Coated Mild Steel

Bearings: Stainless Steel Spherical, Stainless Steel Ball and Phosphur Bronze Oilite

Fixings: Stainless Steel

Sacs: Woven Netting 5 mm Aperture

The Hydro-Aerobics Screening Collection

DESIGN CRITERIA



Sewage Type	:	<i>Crude</i>
Population Equivalent	:	<i>2500 per sac</i>
Dry Weather Flow	:	<i>397 GPM/sac</i>
Storm Flow	:	<i>793 GPM/sac</i>
Trawl Emptying Frequency	:	<i>Three to four days.</i>
Trawl Changing Frequency	:	<i>Weekly</i>
Screen Aperture Size	:	<i>5 mm x 5 mm</i>

EXAMPLE

10,000 PE		
DWF	:	<i>397 GPM</i>
3DWF	:	<i>1189 GPM</i>
6DWF	:	<i>2378 GPM</i>
<i>Sac Emptying Frequency</i>	:	<i>3 to 4 days</i>
SYSTEM REQUIRED	:	4-SAC AGITRAWL

TENDER SPECIFICATION



Manufacture, supply, install and commission a unit capable of screening a maximum flow of x GPM of crude sewage down to 5 mm; washing and bagging the screenings in disposable trawl sacs, complete with safe system for removal of trawl sacs.

The materials of construction should be of the non-corrosive type, ie. stainless steel and/or GRP. The trawl emptying frequency should be no more than every 3-4 days.

The safety "*interlock system*" should be incorporated to prevent automatic start up of the system whilst the sacs are being changed.

APPROVED PRODUCT:

Agitrawl, or similar.

SUPPLIER:

Hydro-Aerobics, Inc.

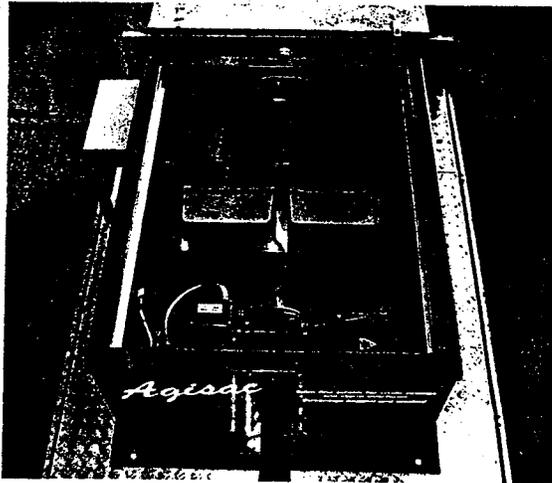
Tel: (513) 575-2800

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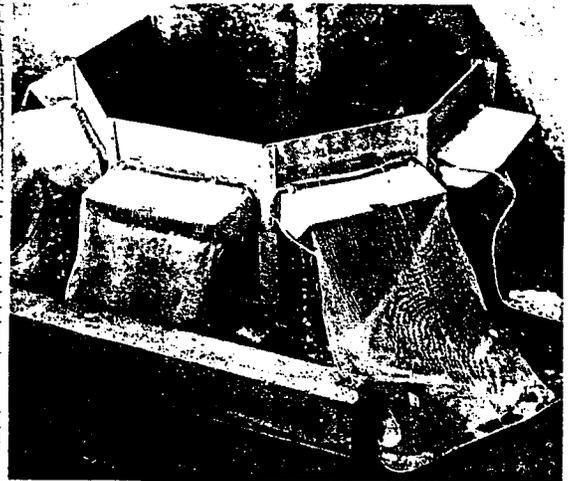


sacology

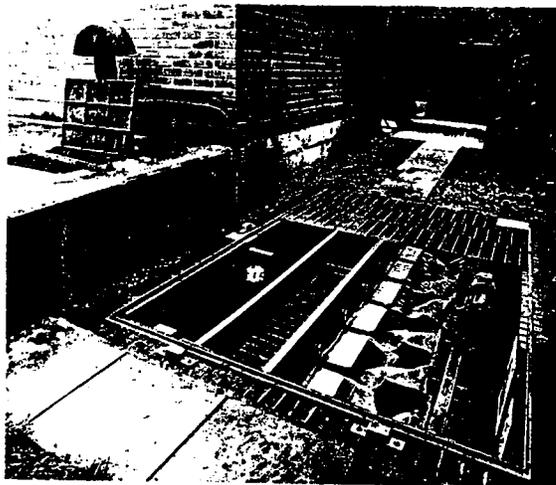
CRUDE SEWAGE



SETTLED SEWAGE



STORM OVERFLOWS



FINAL EFFLUENT



Copa

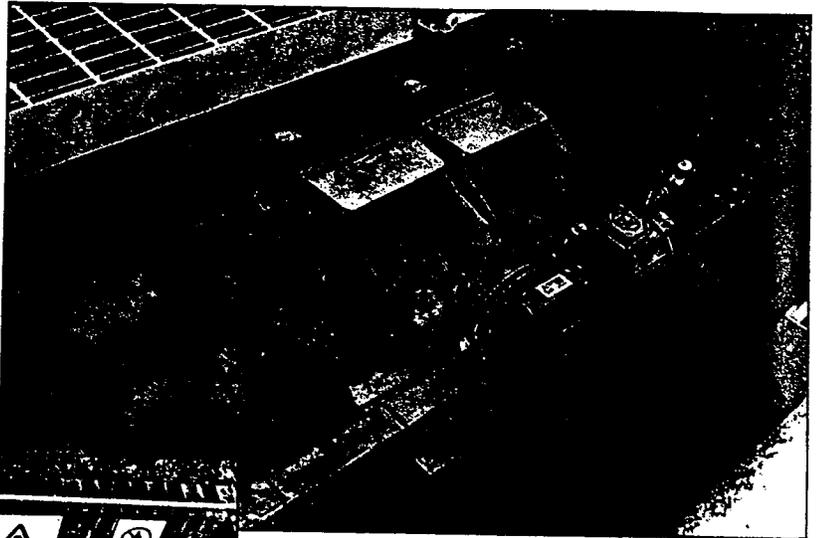
pioneers of sac screening technology

N SACOLOGY

AGISAC

Fine screen for crude sewage and storm overflows

AgiSac uses a reinforced version of the Copasac. Crude sewage is screened down to 3 mm particle size. AgiSac is ideal for populations ranging from 50 to 6,000 people. And in the population range up to 2,000 people the clean screenings produced by AgiSac cannot be matched by any other system.



WORKS INLET, 3mm SCREEN, 1500 PE



AGISAC ON EMERGENCY OVERFLOW AT A PUMPING STATION

AgiSac is prefabricated and pre-wired for rapid installation with minimal civil works requirement.

AgiSac's washing action leaves you with bagged, washed screenings for easier disposal. Faecal matter is broken down and passes through the AgiSac leading to improved primary settlement.

For discharges at sensitive locations on storm/emergency overflows and small sea outfalls, AgiSac offers 3 mm screening, preventing the discharge of visible pollutants.

AgiSac offers an ideal low-cost solution to what can be an intermittent problem.

- ✓ 3 mm fine screen
- ✓ Bagged and washed screenings
- ✓ Ideal for small populations
- ✓ 50 to 6,000 people
- ✓ Low capital cost
- ✓ Low revenue cost

SEACLEAN PROTECTING MARINE OUTFALL (6000 PE)



Patent applied for.

Copa

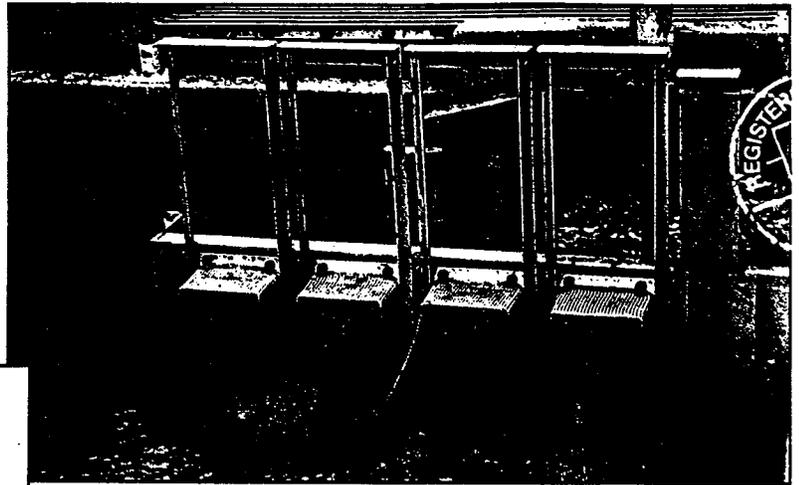
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COPASACS

Fine screening of settled sewage and final effluent

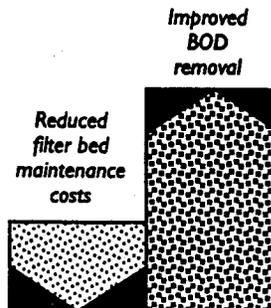
Copasacs provide inter-stage screening for all types of sewage treatment works and protect final effluent discharge from activated sludge plants, removing floating plastics, debris, etc.

- ✓ 3 mm, 6 mm or 12 mm disposable sac
- ✓ Protects filter arm sparge holes
- ✓ Reduces labour spent on pricking out filter arms
- ✓ Improves distribution across filter bed, improving BOD removal
- ✓ Low capital cost
- ✓ Low revenue cost
- ✓ Installed at more than 2,000 sewage treatment works in the last three years
- ✓ Used by all ten UK water companies



COPASACS SCREENING AT A PERCOLATING FILTER WORKS

COPASACS REMOVING VISIBLE POLLUTANTS FROM FINAL EFFLUENT AT AN ACTIVATED SLUDGE PLANT



COPATRAWL

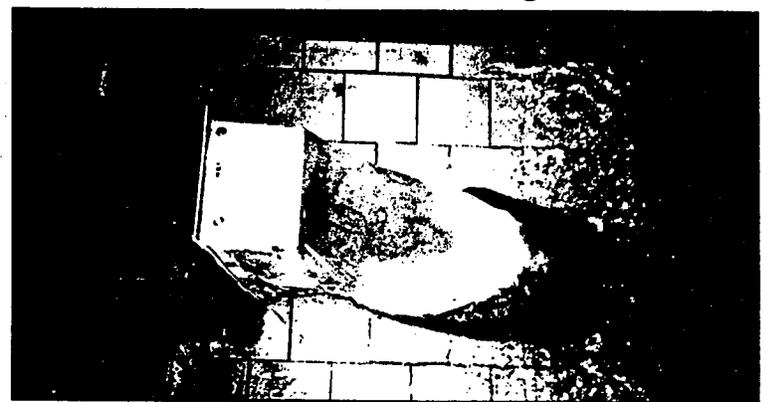
Copatrawls are used in larger flow applications and generally installed in channels, protecting rectangular filter beds, discharges from storm tanks, or even the removal of snails from filter bed effluent!



COPATRAWL ON STORM DISCHARGE

COPASOCKS

Protect effluent compliance during maintenance



Copasock is a maintenance tool with a site specific monofilament mesh fitted to a standard Copasac framework and nose box, upstream of the consented sampling point.

When channel cleaning takes place, the Copasock is slid into position and filters out the disturbed solids. Once the channel has been cleaned, the Copasock is removed.

TECHNICAL SPECIFICATIONS

COPASACS

Settled sewage and final effluent

Maximum flow rate per sac
12.5 Lit/sec per nosebox

Mesh sizes
3 mm, 6 mm, 12 mm – disposable sacs

Configuration
Site specific, with three nosebox sizes:
400 wide × 100 high
300 wide × 200 high
200 wide × 300 high

Sac sizes (laid flat)
500 × 800, 500 × 600

Sac change frequency
2–4 weeks

COPATRAWL

Maximum flow rate per sac
150 Lit/sec per unit

Common mesh sizes
6 mm, 12 mm, 18 mm and 25 mm

Sac size
Circumferences: 1.9 m, 3 m, 3.4 m
Taper to flat end seam: 200 mm long
Sac length: 2 m

COPASOCKS

Design criteria as per Copasacs

Mesh size
Site specific from 100 micron to 1,000 micron

AGISAC/TRAWL DESIGN SELECTION CHART

System	Sewage flows		Mesh size mm	Dimensions L×W×H	Motor kW/HP	Start up current amps	Running current amps
	DWF Lit/sec	MAX Lit/sec					
AgiSac							
2-sac	9	15	3×3	1.59×1.29×0.78	1.1/1.5	10	2.5
4-sac	18	30	3×3	1.59×2.22×0.78	1.1/1.5	10	2.5
AgiTrawl							
2-trawl	60	120	5×5	2.32×2.1×1.17	1.1/1.5	10	2.5
4-trawl	120	240	5×5	2.32×3.98×1.17	1.1/1.5	10	2.5

Average AgiSac/Trawl change frequency every 3 days



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