

Recipient scheme for operating waste from ships in Port of Copenhagen

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1. General provisions

Copenhagen Malmo Port AB wishes to contribute to achieving a positive environmental impact on the marine environment through the sound management of ship operations and cargo waste. The port has, in accordance with national and international rules, regulations and recommendations established reception facilities for household refuse and other solid waste, sewage, oil residues, oil-bearing tank washings and ballast water, the residue of noxious liquid and solid substances, sewage as well as chemical waste.

Waste reception may be ordered by fax no.: + **45 35 46 11 58**, e-mail or by post, using the enclosed notification form: **Appendix 1**. This registration form is also available at the Port's website and the website of the Danish Environmental Protection Agency: www.cmport.com / www.mst.dk. Only signed notification forms are accepted.

Under applicable legislation, the Port is obliged to collect operational waste containing oil, sewage, household refuse, and chemical/medical waste under the 'no special fee' scheme. However, this scheme applies only to ships paying tonnage and cargo fees, and only to the extent that the following conditions are met:

- The Port must receive notification of the waste to be collected no less than 24 hours in advance of the ship's arrival. If the port of destination is unknown 24 hours in advance, such notification must be forwarded as soon the port of destination is known.
- Waste delivery must take place within the Port's normal working hours, which are Monday to Thursday 7.00 am - 3.00 pm and Friday 7.00 am – 2.30 pm. If the ship will only call at the Port outside normal working hours, the waste may be delivered subject to special conditions. Please see the individual sections of this document.
- The amounts delivered must be reasonable, i.e. the amount of waste that has been generated since the previous port of call.
- The Port will not accept oleaginous waste containing emulsifying agents that prevent it being separated into an oil phase and a water phase.

The Port is obliged to establish reception facilities for cargo-related waste containing oil, sewage, refuse-like waste, residues of noxious liquid agents, or other cargo residues, in accordance with current legislation. The cost of removing cargo-related waste will be charged to the ship. The same notification requirements apply to cargo waste and to operational waste.

Vessels plying to and from port enterprises with their own waste reception facilities should primarily utilise these.

The right of ownership for the waste will be transferred to Copenhagen Malmö Port AB once the waste has been accepted by reception facilities under contract to Copenhagen Municipality.

State-owned ships and other ships that do not pay tonnage and cargo fees will be charged according to applicable rates for the use of the Port waste reception facilities.

The Port carries out consultations with representatives of the users, sub-contractors and other affected parties in the extent it is wanted.

2. Responsibility:

The shipping company (by which is meant the ship's owner, charterer, agent or manager) is liable for the accuracy of all information supplied by the ship's master concerning the waste, including its type, composition, amount, and the time it is to be collected, as well as for any damage resulting

from errors or deficiencies in such information, including during operations. The shipping company is liable for any damages resulting from incorrect, misleading or deficient information supplied by the ship's master. This also applies to damages incurred by a third party as a consequence of incorrect, misleading or deficient information supplied by the ship's master.

The shipbroker/agent is liable for any information supplied on behalf of the ship's master by signing a registration form.

If a ship estimates, prior to delivery, that the waste reception facilities available at the Port are insufficient for the ship's needs, enquiries should be directed to the contact persons listed below.

In the event that the ship's master or agent deems it necessary to direct the attention of the environmental monitoring authorities to insufficient or deficient waste reception facilities, **Appendix 2** must be used. The completed form is sent to the port captain, who sends a copy to the Danish Environmental Protection Agency.

The harbour board of Copenhagen Malmö Port AB is responsible for drawing up this waste reception scheme.

This scheme was prepared in Danish and translated into English. In the event of disagreement between the Danish and the English version, please observe that the Danish version shall apply.

Any questions regarding the scheme may be directed to Søren F. Andersen, Port Captain, tel.: +45 35 46 11 30, or Annette Berg Neergaard, tel.: +45 35 46 11 60.

This scheme entered into force on 1 January 2009, replacing earlier schemes for the collection of ships' waste.

3. Reception facilities for various categories of waste

Copenhagen Malmö Port AB has established reception facilities for the following types of waste:

3.1. Household refuse and other solid waste:

Executive Order 2006-12-13 no. 1632 (chap. 2, section 5) Guidance to the EU Parliament and Council Regulation (EC) 1774/2002 of 3 October 2002 on health rules concerning animal by-products not intended for human consumption and 'Regulations for Industrial Waste in Copenhagen Municipality', 1 January 1998 with additions.

The waste must be source-separated according to the form of processing required. Copenhagen Municipality's regulations for industrial waste define refuse-like waste as "naturally occurring household waste".

Reception facilities. Copenhagen Malmö Port's facilities for the reception of household refuse and other solid waste are based on waste containers. The placement and transportation of the containers is the responsibility of a haulage company registered by the Center for Environment, Copenhagen Municipality

Collection times: The household refuse waste containers at 'permanent' locations in the Port are accessible 24 hours a day and are collected/emptied at regular intervals during the Port's normal working hours. For the location of permanently-sited waste containers, please see the list at the end of this document.

Ordering waste collection Extra household waste containers may be requisitioned, in addition to those 'permanently' sited in the Port. Extra containers must, however, always be ordered separately, and at least 24 hours prior to the arrival of the ship in port.

Cruise ships must always order waste containers separately. Separately-ordered waste containers will be placed at a location agreed upon in advance.

Collection and emptying of waste containers will occur in the period 7.00 am - 6.00 pm daily.

The ordering party is responsible for ensuring that the information supplied is correct.

Charges: Collection of that part of the waste attributable to the ship's operations is made under 'no special fee' in the case of reasonable amounts, taking into account the ship's size and its normal service.

A charge will be made for the collection of disproportionately large amounts of waste, or for waste collections made outside the above-mentioned times, as specified in the list of charges.

Receipts: The ship or its agent will receive a receipt for separately-ordered waste containers, together with a specification of the amount collected and the time of collection.

Special provisions: All solid waste must be sorted into three fractions:

1. **Refuse-like waste,**

The following amounts must not be exceeded:

Bottles and glass

up to 50 kg, or 100 bottles

Polyethylene plastics

up to 25 kg, or 1 m³ lightly pressed.

No single item may exceed 100 x 20 x 20 cm.

Containers intended for household waste will be labelled with container label 'Dagrenovationslignende affald' on a red background. This fraction is sent directly to incineration, in accordance with applicable municipal rules.

2. **Other combustible waste,** e.g. waste exceeding the above dimensions and/or amounts. Furniture, pallets, wooden dunnage, etc. The containers must be ordered separately, and will be labelled with container label 'Forbrændingseget affald' on a red background. In special cases, this fraction will be sent for subsequent sorting.

3. **Other non-combustible waste**, such as waste exceeding the above dimensions and/or amounts. Tyres, metal, plastic, impregnated wood, glass, ceramic objects, etc. The containers must be ordered separately, and will be labelled with container label 'Ikke forbrændingseget til fyldplads' on a blue background. This fraction is usually sent for reloading, sorting and subsequent deposition.

The responsibility for the ordered containers rests with the ship during its stay in the Port. The containers are supplied locked, and are opened when the ship arrives. They may be locked again by the ship or its representative on departure.

The refuse collection vehicles must have unhindered access to and from the place of collection without delay.

Any delays, to the extent it is related to the customer, irrespective of cause, including unnecessary attendance or unnecessary handling or delivery of containers, will be charged.



Ships that source-separate waste according to the guidelines issued by Copenhagen Municipality's Center for Environment may order separate containers for the various fractions. The rules for handling industrial waste in Copenhagen Municipality may be requisitioned (the folder is unfortunately available in Danish only).

Copenhagen Malmö Port AB encourages users of the waste reception facilities to source-separate waste as far as possible.

All non operational waste, including pallets, mattresses, furniture and combustible construction waste, etc. will be charged.

3.2. Sewage:

Executive Order 2006-12-13 no. 1632 (chap. 2, section 7). In MARPOL 73/78, sewage is defined as "drainage and other wastes from any form of toilets and urinals; drainage from medical premises (dispensary, sick bay, etc.) via wash basins, wash tubs and scuppers located in such premises; drainage from spaces containing live animals; or other waste waters when mixed with the drainages defined above."

Reception facilities: Copenhagen Malmö Port's reception facilities for sewage utilise the tankers of a haulage company registered by the Center for Environment, Copenhagen Municipality. After collection, the sewage is pumped via a pump station and sewer system to the municipal sewage treatment plant.

Collection times: Collection will take place within the Port's normal working hours. However, ships calling only outside the Port's normal working hours may have sewage collected by special arrangement.

Ordering sewage collection: Orders for sewage collection must be received at least 24 hours prior to the arrival of the ship in the Port of Copenhagen. Orders must be made by fax, e-mail or by post, using the registration form.

The ordering party is responsible for ensuring that the information supplied is correct.

Charges: Collection of that part of the sewage attributable to the ship's operations is made under 'no special fee' in the case of reasonable amounts, taking into account the ship's size and its normal service.

A charge will be made for the collection of disproportionately large amounts (i.e. more than 130 litres per person for each 24-hour period since the last port of call), or for collection outside normal working hours, as specified in the list of charges.

Receipts: The ship or its agent will receive a receipt for the collected sewage, together with a specification of the amount collected and the time of collection.

Special provisions: Collection pursuant to the 'no special fee' system is made on condition that:

- the ship can deliver the sewage at the shipside at a pump capacity of 50 m³ per hour.
- tankers can obtain unhindered access to and from the place of collection without delay.
- the ship is fitted with a standard flange, c.f. **Appendix 3**.

Any delays, to the extent it is related to the customer, irrespective of cause, including unnecessary attendance or unnecessary handling or delay of road tankers, will be charged.

3.3. Engine slop, bilge water from engine room:

Bilge water is defined in Executive Order 2006-12-13 no. 1632 (chap. 2, section 6) as "...oil sludge, used lubricating oil, oily mixtures from machine room drains, and similar oil residues, c.f. the Marine Environment Act, section 9 (1), however with regard only to oil that is considered operational waste."

Reception facilities: Copenhagen Malmö Port's reception facilities for bilge water utilise the tankers of a haulage company registered by the Center for Environment, Copenhagen Municipality.

Collection times: Collection normally takes place during the Port's working hours. However, ships calling only outside the Port's normal working hours may have bilge water collected by special arrangement.

Ordering of collection: Orders for bilge water collection must be received at least 24 hours prior to the ship's arrival at the Port of Copenhagen. Orders must be made by fax, e-mail or by post, using the registration form.

The ordering party is responsible for ensuring that the information supplied is correct.

Charges: Collection of reasonable amounts is made under 'no special fee', taking into account the ship's size and its normal service.

.A charge will be made for the collection of disproportionately large amounts (see below), or for collection outside normal working hours, as specified in the list of charges.

Amounts and limits for the collection of bilge water under 'no special fee', by last port of call before Copenhagen:

1. Ports in the Baltic, the Kattegat, the Skagerrak, the North Sea and the English Channel:
 - 1.1 The Kattegat (within a line from Skagen - Wallhamn, including both ports), the Liim fjord, the Baltic (within a line from Karlskrona - Kolobrzeg, including both ports) 2 m³
 - 1.2 The Skagerrak, the Baltic, the Gulf of Finland and the Gulf of Bothnia, as well as Esbjerg, Hamburg and Bremen/Bremerhaven 5 m³

1.3 British North Sea ports, the Netherlands, Belgium and the French and English Channel ports 7.5 m³

If a ship, according to the method of calculation below, can prove that it has generated an amount of waste greater than those above indicated, the generated amount will be collected.

2. Other ports: In the case of ships arriving from other ports, the amount of waste collectable under 'no special fee' is calculated as follows: $B \times T \times 1/200 \text{ m}^3$, where B indicates the ship's gross horsepower in thousands, and T indicates the number of hours sailed since the last port of call.
If the ship's engine power is stated in KW, this is multiplied by a factor of 1.36 to give the BHP.
The calculated quantity is rounded up to the nearest whole number.
3. Bunker vessels: Bunker vessels may deliver reasonable amounts of bilge water, corresponding to the number of hours sailed by the ship, under 'no special fee', provided the ship can produce a receipt for delivery in the previous port. Ships operating with Copenhagen as a fixed port of call may deliver a reasonable amount of bilge water free of charge, subject to the Port's evaluation on the basis of the vessel's fuel consumption, and provided that at least 24 hours' advance notification is made of the delivery.

Receipt: The ship or its agent will receive a receipt for the collected bilge water with a specification of the amount collected and the time of collection.

Special provisions: Collection under 'no special fee' takes place on condition that:

- the ship can deliver the bilge water at the shipside at a pump capacity of 7.5 m³ per hour,
- tankers can obtain unhindered access to and from the place of collection without delay, and
- the ship is fitted with a standard flange, c.f. **Appendix 3.**

Any delays, to the extent it is related to the costumer, irrespective of cause, including unnecessary attendance or unnecessary handling or delay of road tankers, will be charged.

3.4. Oleaginous tank washing water and ballast water:

Tank washing water and ballast water are described in Executive Order 2006-12-13 no. 1632 (chap. 3, section 10), and is defined as water containing residues of "petroleum in any form and mixtures hereof, including crude oil, natural gas condensate, sludge and oil refuse, and fuel oil and any other refined products, other than petrochemicals", classified in accordance with section 17 of the Marine Environment Act.

Reception facilities: Copenhagen Malmö Port AB has established mobile facilities for the reception of tank washing water and ballast water. The collection, transportation and treatment of tank washing water are carried out by an approved company registered by the Center for Environment, Copenhagen Municipality. The separated and purified oil is sent for recycling.

Tank washing water and ballast water containing substances of risk classes II and III may be delivered to the mobile reception facilities, which are open during the Port's working hours. However, ships calling only outside the Port's normal working hours may deliver tank washing water by special arrangement.

Ordering of collection: All orders for collection must take place via Copenhagen Malmö Port AB. Orders for collection must be received by the Port at least 24 hours prior to the ship's arrival at the Port of Copenhagen. Orders must be made by fax, e-mail or by post, using the registration form.

The ordering party is responsible for ensuring that the information supplied is correct.

Charges: A tonnage fee will apply in connection with calling at the Port. The charge for use of the reception facilities must be paid directly to the service contractor, in accordance with the list of charges.

Receipt: The ship or its agent will receive a receipt from the service contractor for the amount of tank washing water and ballast water collected, with a specification of the amount collected and the time of collection.

Special provisions in order to deliver tank washing water and ballast water:

- The ship must be fitted with a standard flange (see **Appendix 3**).
- The oleaginous water must **not** contain petrochemicals.
- The ship must complete a declaration: **Appendix 6**.

Any delays, to the extent it is related to the costumer, irrespective of cause, including unnecessary attendance or unnecessary handling or delay of road tankers, will be charged.

3.5. Residues of noxious and hazardous liquid substances transported in bulk - chemicals:

Noxious and hazardous liquid substances are defined as agents covered by Executive Order 47 of 7 April 2008 on the classification, categorisation, and discharge of noxious and hazard liquid substances transported in bulk (the discharge list). The list is regularly updated.

Noxious and hazard liquid substances must be declared in accordance with applicable conventions.

Reception facilities: Waste of this kind, including prewashing, is delivered to the cargo recipient / shipper in accordance with an agreement thereon with the companies currently operating in the Port of Copenhagen as importers of noxious and hazard liquid substances in bulk.

Collection times: Collection will occur within the period specified by the recipient.

Ordering of collection: In case that the recipient /shipper cannot collect residues and mixtures of liquid agents transported in bulk, the Port may nominate a recipient for an amount corresponding to that specified in the vessel's P&A manual as necessary for the prewashing of the relevant tanks.

A list of companies that, as of 1 January 2011, were registered by the Center for Environment, Copenhagen Municipality for the transportation of such liquids is included as **Appendix 4**.

Collection, which must be made in collaboration with the Port, must as far as possible be notified one week in advance, and must enclose a completed declaration.

Charges: The ship or its agent settles charges with the haulage company/recipient company directly.

3.6. Hospital waste, and oil and chemical waste not covered by 3.1. - 3.5.:

Hospital waste, fluorescent lights, light sources, electronic components, batteries and the like, as well as oil and chemical waste, apart from chemicals transported in bulk, are categorised as "special waste" in 'Regulations for Industrial Waste in Copenhagen Municipality'.

Reception facilities: In the Port of Copenhagen, the collection, transportation and disposal of hospital waste, fluorescent lights, light sources, electronic components, batteries as well as packaged oil and chemical waste is undertaken by Dansk Special Affald A/S.

Collection times: Collection will occur during the Port's normal working hours. However, ships calling only outside the Port's normal working hours may arrange for the collection of medical waste, clinically hazardous waste, fluorescent lights, light sources, electronic components, batteries and the like, as well as packaged oil and chemical waste.

Ordering of collection: Orders for collection must be received at least 24 hours prior to the ship's arrival at the Port of Copenhagen. Orders must be made by fax, e-mail or by post, using the registration form.

Charges: Hospital waste, fluorescent tubes, light sources, electronics, batteries, etc. as well as packaged oil and chemical waste which are related to the ship's operations, will be collected under 'no special fee' if there is reasonable consumer volumes generated since the last port of call, and that the waste is properly declared.

The scheme for source separation applies to this category of waste. The waste must be packaged and declared in accordance with current IMO regulations.

3.7. Grey water, dishwater:

MARPOL 73/78, Annex V, defines grey water as the drainage from washing-up, showers, laundries, baths and washbasins.

Reception facilities: Copenhagen Malmö Port's reception facilities for wash waters utilises the tankers of approved haulage companies. The grey water is then pumped via a pumping station and sewage system to the municipal sewage treatment plant.

Collection times: Collection will take place within the Port's normal working hours. However, ships calling only outside the Port's normal working hours may have grey water collected by special arrangement.

Ordering of collection: Orders for collection must be received by the Port at least 24 hours prior to the ship's arrival at the Port of Copenhagen. Collection orders must be made by fax, e-mail or by post, using the registration form.

The ordering party is responsible for ensuring that the information supplied is correct.

Charges: A charge will apply for the collection of grey water, in accordance with the list of charges.

Receipt: The ship or its agent will receive a receipt for the grey water collected, with a specification of the amount collected and the time of the collection.

Special provisions: The charge is fixed subject to the following conditions:

- the ship must deliver the grey water at the shipside, at a pump speed of 50 m³ per hour,
- the access conditions must permit the tankers unhindered access to and from the collection place without delay,
- the ship must be fitted with a standard flange, as shown in **Appendix 3**.

Any delays, to the extent it is related to the customer, irrespective of cause, including unnecessary attendance or unnecessary handling or delay of road tankers, will be charged.

4. Legal basis:

Applicable national and international rules, regulations and recommendations:

The MARPOL convention ("The International Convention for the Prevention of Pollution from Ships 73/789".) As in force from 1 July 1992, with later amendments.

Directive 2000/59/EC of the European Parliament and of the Council of 27 November 2000 on waste reception facilities in ports for ship-generated waste and cargo residues.

The 1992 Helsinki convention (Helcom), with later recommendations.

Law No 564 on the Protection of Marine Environment of 24 June 2005, as subsequently amended.

Executive Order no.1632 of 13 December 2006 on the Port plans and management of waste from ships.

Executive Order no.47 of 7. January 2008 on the Port plans and management of waste from ships.

Executive Order no 166 of 1 April 1987 on the classification, categorisation and discharge of liquid agents transported in bulk (the discharge executive order).

Copenhagen Municipality's industrial waste regulations of 1 January 1998, as subsequently amended.

Guidance No 9420, 05/08/2003 - Guide to the EU Parliament and Council Regulation (EC) 1774/2003 of October 2002 on health rules concerning animal by-products not intended for human consumption.

5. List of charges in force from 1 January 2011

The following charges include current statutory taxes, but exclude VAT. In the case of prices that include the Port's administrative costs, these comprise 15 %

The normal working hours of the Port are Monday to Thursday 7.00 am - 3.00 pm, and Friday 7.00 am - 2.30 pm.

Refuse-like waste:

Initial charge per container ordered DKK 0

If the conditions for collection under 'no special fee' are not met, a charge will be made for the waste handling and the Port's administrative costs.

Maritime Service can assist CMP's customers with information regarding prices of 3.1 and 3.6.

Sewage and wash waters:

If the ship fails to meet the specified conditions for waste collection under 'no special fee', the expenses charged will cover waste collection, transportation to the sewage system, pumping and subsequent treatment at the sewage treatment plant, and the Port's administrative expenses.

Initial charge DKK 0

Per 30 m³ tanker, per commenced hour within normal working hours. In the case of larger amounts it will be possible to utilise three tankers, depending on the ship's pumping capacity and the time available for the operation. DKK 1301.00

Per 30 m³ tanker, per commenced hour outside normal working hours. In the case of larger amounts it will be possible to utilise three tankers, depending on the ship's pumping capacity and the time available for the operation. DKK 1367,00

Bilge water:

If the ship fails to meet the specified conditions for waste collection under 'no special fee', the expenses charged will cover waste collection, transportation and subsequent treatment, and the Port's administrative expenses.

Initial charge DKK 400.00

Charge per m³ bilge water DKK 550.00

Waiting time, per commenced hour DKK 475.00

Oleaginous tank washing water and ballast water:

The expenses charged will cover collection, transportation and subsequent treatment. The ship will settle directly with the Port's sub-contractor.

Initial charge DKK 0

Charge per m³ collected within the Port's normal working hours DKK 550.00

Charge per m³ collected outside the Port's normal working hours DKK 650.00

Waiting time and unnecessary attendance, per hour / time DKK 440.00

Berth no.: _____

Name, C/S and IMO ship identification code, if any: _____

Flag state: _____

Arr. (ETA): date: _____ time: _____ Dep. (ETD): date: _____ time: _____

Previous port: _____ Next port: _____

Last port where operational waste was delivered, and date: _____ date: _____

Delivered: All: Some: None: (Place cross in relevant field.)

The delivery is desired to commence on (date): ____/____ time: _____

Please note: This information may be utilised for port state control or other inspection purposes.

I declare that the information entered below is accurate and correct, and that there is sufficient storage capacity available on board to store the waste generated between the time of this declaration and the next adequate port at which waste will be collected.

Stamp

Date: _____ Time: _____ Signature: _____

If all of the waste is to be delivered, only the relevant fields of the second column should be completed. If none or some of the waste is to be delivered, the second and fifth columns should be completed as appropriate.

TYPE	Waste to be deposited	Amount of waste retained on board	Maximal storage capacity	Estimated amount of waste generated before next port of call	Port receipt
Annex I					
Oil sludge (m ³)					
Ballast water/ tank washing water (m ³)					
Other (specify)					
Annex II					
Chemical residues in bulk (m ³)					
Ballast water/tank washing water (m ³)					
Other (specify)					
Annex IV					
Sewage (m ³)					
Other (specify)					
Annex V*)					
Household waste (kg)					
Other combustible waste (kg)					
Non-combustible waste (kg)					
Other (specify)					
Other (specify)					
Other (specify)					

*) The amount of wash waters deposited should be entered under Annex V, in the field 'Other'

Complaints form for use in the case of claimed insufficient waste reception facilities	
If the master of a ship deems it necessary to direct the attention of the environmental monitoring authorities to deficient waste reception facilities, the following information, and any further documentation, should be sent to the Port Administration (Maritime Service). The Port Administration will forward a copy to the Danish Environmental Protection Agency.	
1.	Name of port:
	Harbour section (quay or berth number):
	Date of arrival in the Port:
2.	Amount and type of waste to be delivered to the waste reception facilities:
3.	Special problems, such as:
	Unnecessary delay:
	Insufficient waste reception facilities:
	Not technically possible to use waste reception facilities:
	Other:
4.	Remarks: (e.g. information received from the Port authorities or the operator of waste reception facilities regarding point 2)
5.	Ship data:
	Ship name:
	IMO number or call sign:
	Home port:
	Owner or operator:
	Number of persons on board:

Standard dimensions for flanges for the connection point between the recipient scheme's pipes and the ship's discharge pipes for oily mixture from engine rooms' gutters, and oil slop	
Description:	Dimensions:
External diameter:	215 mm
Internal diameter:	Equivalent to the pipe's external diameter
Bolt ring diameter:	183 mm
Flange cut outs:	6 holes with a diameter of 22 mm to be placed at equal intervals on a bolt ring of the aforementioned diameter cut out to the flange's circumference. The breadth of the cut-out must be 22 mm.
Flange thickness:	20 mm
Bolt and nuts: number and diameters	6, each of 20 mm in diameter, of a suitable length
The flange must match pipes with an internal diameter of up to 125 mm and must be of steel or other equivalent material with smooth surface. The flange with equivalent packing of oil-resistant material must be able to withstand a working pressure of 6 kg/m ²	

Standard dimensions for flanges for the connection point between the recipient scheme's pipes and the ship's discharge pipes for sewage and grey water	
Description:	Dimensions:
External diameter:	210 mm
Internal diameter:	Equivalent to the pipe's external diameter
Bolt ring diameter:	170 mm
Flange cut-outs:	4 holes with a diameter of 18 mm to be placed at equal intervals on a bolt ring of the aforementioned diameter cut out to the flange's circumference. The breadth of the cut-out must be 18 mm.
Flange thickness:	16 mm
Bolt and nuts: number and diameter	4, each of 16 mm in diameter of a suitable length
The flange must match pipes with an internal diameter of up to 100 mm and must be of steel or other equivalent material with smooth surface. The flange with equivalent packing of oil-resistant material must be able to withstand a working pressure of 6 kg/m ²	

List of haulage companies registered 1 January 2011 by the Center for Environment, Copenhagen Municipality, for the transportation of unpacked oil and chemical waste

Albertslund Kloakservice ApS
Rydagervej 27
2620 Albertslund
tlf.: 43 64 69 39

Dansk Oliegenbrug A/S
Juelsmindevej 18
4400 Kalundborg
tlf.: 59 56 56 44

FJ Separation Industrihegnet 14
Tune
4000 Roskilde
tlf.: 46 13 63 00

Greve Kloakservice ApS
Dyrehavevej 32
2930 Klampenborg
tlf.: 39 90 10 53

Gunnar Lund Olieservice A/S
Olievej 10 – 12
6700 Esbjerg
tlf.: 75 13 86 00

KE Partner A/S
Grøndalsvænge Alle 13
2400 København NV
tlf.: 33 29 11 11

Køster Entreprise A/S
Postboks 54, Ydunsvej 3
3400 Hillerød
tlf.: 48 22 02 20

Leif M. Jensen A/S
Gerdasvej 15 – 17
2600 Glostrup
tlf.: 43 96 15 66

Leon Pedersen A/S
Industribuen 19 A
2635 Ishøj
tlf.: 43 73 41 00

Lyngholm Kloakservice I/S
Avedøreholmen 58
2650 Hvidovre
tlf.: 36 77 00 77

Syd-Slam A/S
Industrivej 46
4683 Rønnede
tlf.: 70 20 51 41

Sydvestsjællandss Kloakservice
Stenstrupvej 3
4180 Sorø
tlf.: 57 84 90 40

List of haulage companies registered 1 January 2011 by the Center for Environment, Copenhagen Municipality, for the transportation of packaged oil and chemical waste

Albertslund Kloakservice ApS
Rydagervej 27
2620 Albertslund
tlf.: 43 64 69 39

Bdr. Jensens Godstransport
Nykøbing 80 A
4840 Nørre Alslev
tlf.: 54 43 43 66

Dansk Special Affald A/S
Islevdalvej 119
2610 Rødovre
tlf.: 32 96 69 00

Dickol A/S
Valseholmen 2
2650 Hvidovre
tlf.: 36 77 53 80

Henrik Tofteng A/S
Dalager 15
2605 Brøndby
tlf.: 43 96 71 41

København Kommune Teknik
Strømmen 1
2500 Valby
tlf.: 36 16 42 86

Leif M. Jensen A/S
Sydvestvej 70
2600 Glostrup
tlf.: 43 43 12 64

Lyngholm Kloakservice I/S
Avedøreholmen 58
2650 Hvidovre
tlf.: 36 77 00 78

M. Larsen Vognmandsfirma A/S
Vibeholmsvej 5-7
2605 Brøndby
tlf.: 43 63 18 28

Renoflex-Gruppen A/S
Kløvermarksvej 70
2300 København S
tlf.: 72 21 18 00

Stenberg Transport
Bagsværdvej 78
2800 Lyngby
tlf. : 45 87 53 57

List over 'permanently-sited' containers for household refuse:

Nordhavnen:

Levantkaj,	kaj nr. 260
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Østhavnen (Prøvestenen):

Ocean Pier,	kaj nr. 843
PS nord	kaj nr. 840
Kaj 1,	kaj nr. 853
Kaj 1,	kaj nr. 854
Kaj 4,	kaj nr. 859

Permanently-sited containers for household use: ●

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