

E03F

SEWERS; CESSPOOLS

Definition statement

This subclass/group covers:

Methods and installations for conveying waste water and precipitation water towards treatment installations and/or natural flowing bodies.

Relationship between large subject matter areas

Methods and installations for the treatment of such used water which are not part of the conveying system are classified in [C02F](#).

References relevant to classification in this subclass

This subclass/group does not cover:

Methods and installations for treatment of sewage	C02F
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E03F 1/00

Methods, systems, or installations for draining-off sewage or storm water

Definition statement

This subclass/group covers:

Methods and devices for conveying used water pneumatically; disposing sewage into the landscape.

References relevant to classification in this group

This subclass/group does not cover:

Underground watering of plants	A01G 25/06
Methods and installations for treatment of water	C02F
Drainage of water	E02B 11/00
Constructional details of cesspools	E03F 11/00

Examples of places where the subject matter of this group is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Arrangement of water closets specially adapted to motor vehicles or trailers	B60R 15/00
Arrangement of water closets specially adapted to railway carriages	B61D 35/00
Flushed water closets specially adapted to ships	B63B 29/14
Flushed water closets specially adapted to aircrafts	B64D 11/02

Informative references

Attention is drawn to the following places, which may be of interest for search:

Conveying materials through pipes by aire	B65G 53/00
Constructional details of down-pipes	E04D 13/08

Special rules of classification within this group

Service stations for fresh and used water, e.g. for camping sites, are classified in [E03F 1/00](#) and in [E02B 9/02](#).

Means for distributing outflowing water from roof down-pipes onto the ground are classified in [E03F 1/00](#). Means integrated into the downpipe are classified in [E04D 13/08](#).

E03F 3/00

Sewer pipe-line systems

Definition statement

This subclass/group covers:

Lay-out and constructional details of pipe systems specially adapted to sewage.

Arrangements of cables within sewer pipes, e.g. for electricity or telecommunication.

References relevant to classification in this group

This subclass/group does not cover:

Manufacture of concrete tubes	B28B
Constructional details of pipes and pipe fittings in general	F16L

E03F 5/00

Sewerage structures

Definition statement

This subclass/group covers:

Component parts of sewer systems other than conveying pipes.

References relevant to classification in this group

This subclass/group does not cover:

Mechanical filtering in general	B01D 21/00 , B01D 29/00 , B01D 33/00
Large underground containers	B65D 88/00
Details of pavings and gutters	E01C 11/22
Making sewers in situ	E02D 29/10
Manhole shafts and covers not specially adapted to sewage	E02D 29/14
Digging of trenches	E02F 5/10
Inspection of sewers	E03F 7/12
Methods of laying pipes underground	E21B 7/00
Devices for covering leaks in pipes	F16L 55/16
Control of flow in general , e.g.	G05D 7/00

throttles	
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Connection of manhole covers to shaft	E02D 29/14
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Special rules of classification within this group

Elongated water inlet structures with gratings are classified in [E03F 3/046](#) and in [E03F 5/06](#), if details of both parts of the structure are disclosed.

Documents describing grinding of sewage are classified in [E03F 5/22](#) and [E03F 5/26](#).

E03F 5/12

Emergency outlets

Definition statement

This subclass/group covers:

Sewer channels or stormwater holding tanks with means for allowing surplus water to be discharged in a controlled way.

References relevant to classification in this group

This subclass/group does not cover:

Devices for separating unwanted substances from flowing sewage which are integrated in the sewer system	E03F 5/14
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E03F 7/00

Other installations or implements for operating sewer systems, e.g. for preventing or indicating stoppage

Definition statement

This subclass/group covers:

Devices for ensuring functioning of a sewer system.

References relevant to classification in this group

This subclass/group does not cover:

Refuse vehicles	B65F 3/00
Devices for cleaning sewers	E03F 9/00
Devices for refurbishing sewers	E03F 3/06

E03F 7/12

Installations enabling inspection personnel to drive along sewer canals

Definition statement

This subclass/group covers:

Devices enabling inspection of interior of sewer canals, whether or not manned and whether or not moved through the canal.

References relevant to classification in this group

This subclass/group does not cover:

Devices for cleaning the interior of sewer canals	E03F 9/00
Devices for repairing or refurbishing sewer canals	E03F 3/06

E03F 9/00

Arrangements or fixed installations [N: methods or devices]for cleaning[N: or clearing]sewer pipes, e.g. by flushing (sediment traps, rakes, screens, or the like, arranged in sewer lines E03F5/14; cleaning pipes in general, devices for cleaning pipes B08B9/02;[N: gullies provided with flushing means for cleaning or emptying E03F5/0402; devices to remove obstructions in waste-pipes or sinks E03C1/30])

Definition statement

This subclass/group covers:

Devices for cleaning the interior of a sewer canal in order to improve flow through the canal.

References relevant to classification in this group

This subclass/group does not cover:

Cleaning of inner side of hollow articles	B08B 9/02
Devices for cleaning or clearing domestic waste pipes	E03C 1/30
Devices for clearing obstructions in water closets	E03D 9/00
Sediment traps, rakes, screens, or the like, arranged in sewer lines	E03F 5/14

Special rules of classification within this group

Devices which can be used for sewer canals and domestic drain pipes are classified here.

E03F 11/00

Cesspools (emptying cesspools E03F7/00 ; features relating to treatment of sewage C02F

Definition statement

This subclass/group covers:

Constructional details of cesspools and other sewage holding tanks.

Relationship between large subject matter areas

Methods and devices for treatment of water in a cesspool: [C02F](#).

References relevant to classification in this group

This subclass/group does not cover:

Water treatment tanks	C02F
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Hand implements for emptying cesspools	E03F 7/00
Vehicles for emptying cesspools	E03F 7/10