

E03F

SEWERS; CESSPOOLS

Definition statement

This place covers:

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

Relationships with other classification places

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

References

Limiting references

This place 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 place covers:

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

References

Limiting references

This place does not cover:

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

Application-oriented references

Examples of places where the subject matter of this place 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

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 place 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**Limiting references**

This place 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 place covers:

Component parts of sewer systems other than conveying pipes.

References**Limiting references**

This place does not cover:

Inspection of sewers	E03F 7/12
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
Methods of laying pipes underground	E21B 7/00
Devices for covering leaks in pipes	F16L 55/16
Control of flow in general , e.g. throttles	G05D 7/00

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

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 place covers:

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

References

Limiting references

This place 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; Emptying cesspools

Definition statement

This place covers:

Devices for ensuring functioning of a sewer system.

References

Limiting references

This place does not cover:

Devices for refurbishing sewers	E03F 3/06
Devices for cleaning sewers	E03F 9/00

Refuse vehicles	B65F 3/00
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E03F 7/12

Installations enabling inspection personnel to drive along sewer canals

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

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

E03F 9/00

Arrangements or fixed installations {methods or devices} for cleaning {or clearing} sewer pipes, e.g. by flushing (sediment traps, rakes, screens, or the like, arranged in sewer lines [E03F 5/14](#); cleaning pipes in general, devices for cleaning pipes [B08B 9/02](#)); gullies provided with flushing means for cleaning or emptying [E03F 5/0402](#); devices to remove obstructions in waste-pipes or sinks [E03C 1/30](#)))

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

Sediment traps, rakes, screens, or the like, arranged in sewer lines	E03F 5/14
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

Special rules of classification

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

E03F 11/00

Cesspools (emptying cesspools [E03F 7/00](#); features relating to treatment of sewage [C02F](#))

Definition statement

This place covers:

Constructional details of cesspools and other sewage holding tanks.

Relationships with other classification places

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

References***Limiting references***

This place does not cover:

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