

SECTION E — FIXED CONSTRUCTIONS

E03 WATER SUPPLY; SEWERAGE

E03D WATER-CLOSETS OR URINALS WITH FLUSHING DEVICES; FLUSHING VALVES THEREFOR

Subclass index

WATER-CLOSETS, FLUSHING DEVICES

General structure.....	1/00, 3/00
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ACCESSORIES, COMPONENT PARTS.....	9/00, 11/00
URINALS.....	13/00

1/00 Water flushing devices with cisterns

- 1/01 • Shape or selection of material for flushing cisterns
- 1/012 • • Details of shape of cisterns, e.g. for connecting to wall, for supporting or connecting flushing-device actuators
- 1/02 • High-level flushing systems
- 1/04 • • Cisterns with bell siphons
- 1/05 • • • with movable siphon bells
- 1/06 • • Cisterns with tube siphons
- 1/07 • • • with movable or deformable siphon tubes
- 1/08 • • • Siphon action initiated by air or water pressure
- 1/10 • • • Siphon action initiated by raising the water level in the cistern, e.g. by means of displacement members
- 1/12 • • • Siphon action initiated by outlet of air
- 1/14 • • Cisterns discharging variable quantities of water (twin or multiple flushing cisterns E03D 1/22; flushing devices operated by pressure of the water supply system and discharging variable quantities of water E03D 3/12)
- 1/16 • • Cisterns for periodical discharge
- 1/18 • • Cisterns empty when not in action
- 1/20 • • Cisterns with tiltably-mounted containers
- 1/22 • • Twin or multiple flushing cisterns
- 1/24 • Low-level flushing systems
- 1/26 • • Bowl with flushing cistern mounted on the rearwardly extending end of the bowl (shape or material of the cistern E03D 1/01; constructional features of the bowl E03D 11/02-E03D 11/12)
- 1/28 • • Bowl integral with the flushing cistern
- 1/30 • Valves for high or low cisterns; Their arrangement (inlet valves, valves in general F16K)
- 1/32 • • Arrangement of inlet valves (devices for reducing noise E03D 9/14)
- 1/33 • • Adaptations or arrangements of floats (actuating-floats in general F16K 33/00)
- 1/34 • • Flushing valves for outlets; Arrangement of outlet valves
- 1/35 • • • Flushing valves having buoyancy [2]
- 1/36 • • Associated working of inlet and outlet valves
- 1/38 • Adaptations or arrangements of flushing pipes (noise-absorbing means in pipe systems F16L 55/00)

3/00 Flushing devices operated by pressure of the water supply system

- 3/02 • Self-closing flushing valves (self-closing valves in general F16K 21/04)
- 3/04 • • with piston valve and pressure chamber for retarding the valve-closing movement
- 3/06 • • with diaphragm valve and pressure chamber for retarding the valve-closing movement
- 3/08 • • with other retarding devices
- 3/10 • Flushing devices with pressure-operated reservoir, e.g. air chamber
- 3/12 • Flushing devices discharging variable quantities of water (flushing cisterns discharging variable quantities of water E03D 1/14)

5/00 Special constructions of flushing devices (in motor vehicles or trailers B60R 15/00; in railway carriages B61D 35/00; in ships B63B 29/14; in aircraft B64D 11/02)

- 5/01 • using flushing pumps
- 5/012 • combined with movable closure elements in the bowl outlet (bowls with closure elements between bottom or outlet and outlet pipe E03D 11/10)
- 5/014 • • with devices for separate removal of liquids and solids
- 5/016 • with recirculation of bowl-cleaning fluid
- 5/02 • operated mechanically or hydraulically (E03D 5/01, E03D 5/12 take precedence)
- 5/04 • • directly by the seat or cover
- 5/06 • • directly by the door
- 5/08 • • directly by foot
- 5/09 • • directly by hand
- 5/092 • • • the flushing element, e.g. siphon bell, being actuated through a lever
- 5/094 • • • the flushing element, e.g. siphon bell, being actuated through a cable, chain, or the like
- 5/10 • operated electrically (E03D 5/01, E03D 5/12 take precedence)
- 5/12 • discharging periodically (high-level cisterns for periodical discharge E03D 1/16)

7/00 Wheeled lavatories (wheeled closets without flushing A47K 11/00; construction of land vehicles B62)

E03D

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| <p>9/00</p> <p>9/02</p> <p>9/03</p> <p>9/04</p> <p>9/05</p> <p>9/052</p> <p>9/06</p> <p>9/08</p> <p>9/10</p> <p>9/12</p> <p>9/14</p> <p>9/16</p> | <p>Sanitary or other accessories for lavatories (hand tools for cleaning the toilet bowl A47K 11/10; seats or covers for closets A47K 13/00; body supports, other than seats, for closets A47K 17/02; devices for preventing contamination of drinking-water pipes E03C 1/10)</p> <ul style="list-style-type: none"> • Devices adding a disinfecting, deodorising or cleaning agent to the water while flushing, or in the flushing tank (apparatus for disinfection of materials or objects in general A61L 2/00; treatment of water in general C02F) • consisting of a separate container with an outlet through which the agent is introduced into the flushing water, e.g. by suction • Special arrangement or operation of ventilating devices (ventilating rooms in general F24F) • ventilating the bowl • • using incorporated fans [2] • Auxiliary chambers with water connection to the flushing pipe and adapted to receive utensils for bowl-cleaning, e.g. brushes • Devices in the bowl producing upwardly-directed sprays; Modifications of the bowl for use with such devices (showers A47K 3/28; bathing devices for special therapeutic or hygienic purposes A61H 33/00, for specific parts of the body A61H 35/00) • Waste-disintegrating apparatus combined with the bowl • Means to prevent freezing of lavatories • Noise-reducing means combined with flushing valves (noise-absorbing means in pipe systems F16L 55/00) • Water pressure regulating means in flushing pipes | <p>11/00</p> <p>11/02</p> <p>11/04</p> <p>11/06</p> <p>11/08</p> <p>11/10</p> <p>11/11</p> <p>11/12</p> <p>11/13</p> <p>11/14</p> <p>11/16</p> <p>11/17</p> <p>11/18</p> <p>13/00</p> | <p>Other component parts of water-closets (pipe joints or couplings in general F16L)</p> <ul style="list-style-type: none"> • Water-closet bowls (auxiliary chambers with connections to flushing water for bowl-cleaning utensils E03D 9/06; modified for using upwardly-directed sprays E03D 9/08; seats or covers A47K 13/00) • Bowls of flat shape with only slightly inclined bottom • Bowls with downwardly-extending flanges • Bowls with means producing a flushing water swirl • Bowls with closure elements provided between bottom or outlet and the outlet pipe; Bowls with pivotally supported inserts • Bowls combined with a reservoir, e.g. containing apparatus for disinfecting or for disintegrating • Swivel-mounted bowls, e.g. for use in restricted spaces • Parts or details of bowls; Special adaptations of pipe joints or couplings for use with bowls [2] • Means for connecting the bowl to the wall, e.g. to a wall outlet [2] • Means for connecting the bowl to the floor, e.g. to a floor outlet [2] • Means for connecting the bowl to the flushing pipe [2] • Siphons (for pipes in general F16L 43/00, F16L 45/00) <p>Urinals (without flushing devices A47K 11/00)</p> |
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