

ECLA EUROPEAN CLASSIFICATION

E03B INSTALLATIONS OR METHODS FOR OBTAINING, COLLECTING, OR DISTRIBUTING WATER (drilling wells, obtaining fluids in general from wells [E21B](#); pipe-line systems in general [F17D](#))

E03B1/00 Methods or layout of installations for water supply ([E03B3/00](#), [E03B9/00](#) take precedence) [[C0407](#)]

- E03B1/02 . for public or like main supply [[N: for industrial use](#)]
- E03B1/04 . for domestic or like local supply
- E03B1/04B . . [[N: Greywater supply systems](#)] [[N1202](#)]
- E03B1/04B2 . . . [[N: Details thereof, e.g. valves or pumps](#)] [[N1202](#)]
- E03B1/04B2B [[N: Switch valves in waste pipes](#)] [[N1202](#)]
- E03B1/04C . . [[N: Systems for collecting not used fresh water](#)] [[N1202](#)]

E03B3/00 Methods or installations for obtaining or collecting drinking water or tap water (treatment of water [C02F](#)) [[C0407](#)]

- E03B3/02 . from rain-water
- E03B3/03 . . Special vessels for collecting or storing rain-water for use in the household, e.g. water-butts [[N: \(containers for storage, in general, \[B65D\]\(#\)\)](#)]
- E03B3/04 . from surface water [[N: Barrages \[E02B7/00\]\(#\)](#)]
- E03B3/06 . from underground [[N: consolidating foundation soil by draining, e.g. by lowering the water level \[E02D3/00\]\(#\); subsoil filtering \[E21B43/02\]\(#\)](#)]
- E03B3/08 . . Obtaining and confining water by means of wells (applicable to a combination of water and other liquids or to other liquids only [E21B43/00](#))
- E03B3/10 . . . by means of pit wells
- E03B3/11 in combination with tubes, e.g. perforated, extending horizontally, or upwardly inclined, exterior to the pits
- E03B3/12 . . . by means of vertical pipe wells
- E03B3/14 . . . by means of horizontal or oblique wells
- E03B3/15 . . . Keeping wells in good condition, e.g. by cleaning, repairing, regenerating; Maintaining or enlarging the capacity of wells or water-bearing layers (with artificial enrichment [E03B3/32](#)) [[N: \(cleaning, in general \[B08B\]\(#\)\)](#)]
- E03B3/16 . . . Component parts of wells
- E03B3/18 Well filters (filters in general [B01D24/00](#) to [B01D35/00](#))
- E03B3/20 of elements of special shape
- E03B3/22 Selection of specified materials [[N: not used, documents in \[E03B3/20\]\(#\)](#)]
- E03B3/24 formed of loose materials, e.g. gravel
- E03B3/26 with packed filtering material
- E03B3/28 . from humid air (condensing of vapours in general [B01D5/00](#); dehumidification of air for

air-conditioning [F24F3/14](#))

- E03B3/30 . from snow or ice [\[C0407\]](#)
- E03B3/32 . with artificial enrichment, e.g. by adding water from a pond or a river [\[N: consolidating foundation soil by draining e.g. by lowering the water level E02D3/00\]](#)
- E03B3/34 . . of underground water
- E03B3/36 . . of surface water
- E03B3/38 . Curbs for springs
- E03B3/40 . Other devices for confining, e.g. trenches, drainage

- E03B5/00** **Use of pumping plants or installations; Layouts thereof** (pumps; pumping plants or installations per se [F04](#))

- E03B5/02 . arranged in buildings
- E03B5/02B . . [\[N: with surface tanks\]](#)

- E03B5/04 . arranged in wells
- E03B5/04B . . [\[N: with surface tanks\]](#)
- E03B5/06 . . Special equipment, [\[N: e.g. well seals and connections for well casings or the like\]](#)

- E03B7/00** **Water main or service pipe systems** (pipes or tubes in general [F16L](#))

- E03B7/00B . [\[N: Arrangement for testing of watertightness of water supply conduits\]](#) [\[N1107\]](#)
- E03B7/00C . [\[N: Arrangements or methods for cleaning or refurbishing water conduits\]](#) [\[N1107\]](#)

- E03B7/02 . Public or like main pipe systems

- E03B7/04 . Domestic or like local pipe systems ([domestic plumbing E03C1/02](#))
- E03B7/04B . . [\[N: diverting initially cold water in warm water supply\]](#) [\[N1203\]](#)

- E03B7/07 . Arrangement of devices, e.g. filters, flow controls, measuring devices, siphons, valves, in the pipe systems (devices per se, see the relevant classes for these devices)
- E03B7/07B . . [\[N: Arrangement of safety devices in domestic pipe systems, e.g. devices for automatic shut-off\]](#) [\[N1107\]](#)
- E03B7/07C . . [\[N: Arrangement of flowmeters\]](#) [\[N1107\]](#)
- E03B7/07D . . [\[N: Arrangement of water treatment devices\]](#) [\[N1107\]](#)
- E03B7/07E . . [\[N: Arrangement of devices for control of pressure or flow rate\]](#) [\[N1107\]](#)
- E03B7/07F . . [\[N: Arrangement of backflow preventing devices\]](#) [\[N1107\]](#)
- E03B7/07G . . [\[N: Combined units with different devices; Arrangement of different devices with respect to each other\]](#) [\[N1107\]](#)
- E03B7/08 . . Arrangement of draining devices, [\[N: e.g. manual shut-off valves\]](#) (draining devices in general [F16K, F16L](#)) [\[C1107\]](#)

- E03B7/09 . Component parts or accessories ([tools for cleaning pipes B08B9/02](#); devices for

preventing contamination of drinking water pipes for domestic use [E03C1/10](#); devices for preventing damage in case of bursts of pipes [F16L](#); heating of pipes in general [F16L53/00](#))

- E03B7/09A . . . [\[N: Component holders or housings, e.g. boundary boxes\] \[N1107\]](#)
- E03B7/10 . . . Devices preventing bursting of pipes by freezing (devices preventing bursting of pipes in general [F16L55/00](#))
- E03B7/12 by preventing freezing
- E03B7/14 . . . Devices for thawing frozen pipes

- E03B9/00** **Methods or installations for drawing-off water** (domestic water-drawing devices [E03C](#); taps or valves per se [F16K](#)) [\[C0502\]](#)

- E03B9/02 . . . Hydrants; Arrangements of valves therein; Keys for hydrants [\[C0502\]](#)
- E03B9/02B . . . [\[N: Taps specially designed for outdoor use, e.g. wall hydrants, sill cocks\] \[N1203\]](#)
- E03B9/02B2 [\[N: with features preventing frost damage\] \[N1203\]](#)
- E03B9/04 . . . Column hydrants
- E03B9/06 Covers
- E03B9/08 . . . Underground hydrants
- E03B9/10 Protective plates or covers
- E03B9/12 Stand-pipes
- E03B9/14 . . . Draining devices for hydrants
- E03B9/16 . . . Devices for retaining foreign matter, e.g. sand
- E03B9/18 . . . Cleaning tools for hydrants
- E03B9/20 . . . Pillar fountains or like apparatus for dispensing drinking water

- E03B11/00** **Arrangements or adaptations of tanks for water supply** (water-butts [E03B3/03](#); storage aspects [B65D](#), [B65G](#), [F17B](#), [F17C](#); foundations [E02D27/38](#); construction or assembling of bulk storage containers employing civil engineering techniques [E04H7/00](#); tower aspects [E04H12/00](#))

- E03B11/02 . . . for domestic or like local water supply
- E03B11/04 . . . without air regulators [\[N: i.e. without air inlet or outlet valves; water tanks provided with flexible walls\]](#)
- E03B11/06 . . . with air regulators [\[N: air receivers for water conduits \[F16L55/04\]\(#\); pressure control devices for fluids \[G05D\]\(#\)\]](#)
- E03B11/08 Air regulators [\[C9810\]](#)

- E03B11/10 . . . for public or like main water supply
- E03B11/12 . . . of high-level tanks
- E03B11/14 . . . of underground tanks
- E03B11/16 . . . Adaptations of devices for putting pumping plants in and out of operation, e.g. automatic control devices [\[N: not used, documents in \[F04\]\(#\)\]](#)