

Title (en)
Drain with a drainage unit

Title (de)
Ablauf mit einem Ablaufkörper

Title (fr)
Bouche d'évacuation avec un corps d'évacuation

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Application
EP 12198173 A 20121219

Priority
DE 202012001550 U 20120215

Abstract (en)

The drain outlet comprises a discharge body (2) having an inlet (3) for an inflow of liquid, where an inlet edge (6) of the inlet plane is enclosed. The discharge body comprises a collecting shaft (15) having a discharge nozzle (16). The collecting shaft has a first inside wall and a second inside wall arranged opposite to the first inside wall. A wall portion angle (alpha) having the inlet plane forms in a cross-section passing perpendicular to the inlet plane of a portion of the first inside wall of the collecting shaft adjacent to the inlet plane, where the angle (alpha) is 135[deg]. The drain outlet comprises a discharge body (2) having an inlet (3) for inflow of liquid, where an inlet edge (6) of the inlet plane is enclosed. The discharge body comprises a collecting shaft (15) having a discharge nozzle (16). The collecting shaft has a first inside wall and a second inside wall arranged opposite to the first inside wall. A wall portion angle (alpha) having the inlet plane forms in a cross-section passing perpendicular to the inlet plane of a portion of the first inside wall of the collecting shaft adjacent to the inlet plane, where the angle (alpha) is 135[deg]. The angle is formed between the inlet plane and the portion adjoining to the inlet plane of the first inside wall. An angle (beta) having the inlet plane is formed in the cross-section passing perpendicular to the inlet plane of the portion of the second inside wall of the collecting shaft, where the angle (beta) is 135[deg]. The first and second inside walls are parallel and/or conically formed to each other. The drain outlet extends: the first inside wall in the same angle (alpha) by its portion adjacent to the inlet plane; and the second inside wall in the same angle (beta) by its portion adjacent to the inlet plane. The discharge body comprises a collar having a first collar portion extending parallel to the inlet plane and a second collar portion extending orthogonal to the inlet plane, where both collar portions are formed at right angles to each other. The drain outlet comprises a cover element, which is attached at an inner side of a front first inner wall connecting with the second inner wall. The front inner wall comprises a positive locking element, which is placed to arrive with a complementary locking element formed at the cover element, where the locking elements have the same angle adjacent to the inlet plane of the first and/or the second inside walls. The drain outlet comprises a pipe connector attachable to the discharge nozzle, where the pipe connector: comprises an inlet part having a symmetry axis (S1) and an outlet part having a symmetry axis (S2), where symmetry axes are arranged to each other in a tube angle; and an inlet opening and an outlet opening, where both the openings are arranged to each other in an opening angle. The tube angle and the opening angle correspond to 90[deg] of the angle wall portion. The drain outlet comprises a drain trap, which is removably insertable into the collecting shaft. The drain trap comprises: a first outside wall, which forms an angle (omega) having the inlet plane in the cross-section passing perpendicular to the inlet plane, where the angle (omega) is 45[deg]; and a second outside wall, which forms an angle (phi) having the inlet plane in the cross-section passing perpendicular to the inlet plane, where the angle (phi) is 135[deg]. The first and second outside walls are formed parallel to the first and/or second inside walls of the collecting shaft.

Abstract (de)

Die Erfindung betrifft Ablauf (1) mit einem Ablaufkörper (2), welcher einen Einlauf (3) zum Einströmen von Flüssigkeit aufweist, wobei Einlaufkanten (6) des Einlaufs (3) eine Einlaufebene (E) einschließen, und der Ablaufkörper (2) einen Sammelerschacht (15) mit mindestens einem Ablaufstutzen (16) aufweist, wobei der Sammelerschacht (15) mindestens eine erste innenseitige Wandung (17) und eine der ersten innenseitigen Wandung (17) gegen- überliegend angeordnete zweite innenseitige Wandung (18) aufweist. Der Ablauf (1) wird dahingehend verbessert, dass dieser einerseits variabel, das heißt sowohl als Boden- als auch als Wandablauf nutzbar ist, und andererseits trotzdem einfach einbaubar und dabei gut handhabbar ist, indem, in einem senkrecht zur Einlaufebene (E) verlaufenden Querschnitt, zumindest ein der Einlaufebene (E) benachbarter Abschnitt der ersten innenseitigen Wandung (17) des Sammelerschachts (15) einen Winkel (\pm) mit der Einlaufebene (E) bildet, welcher größer als 90° und kleiner oder gleich 180° ist.

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Citation (applicant)
• EP 1287213 B1 20051207 - UNIDRAIN AS [DK]
• DE 202009017155 U1 20100401 - GEBERIT INTERNAT AG JONA [CH]

Citation (search report)
• [XAI] WO 8802799 A1 19880421 - RUNDBERG LENNART [SE]
• [XI] EP 0940520 A2 19990908 - VAHLBRAUK WOLFGANG DIPL ING [DE]
• [X] DE 10104530 A1 20020814 - SITA BAUELEMENTE [DE]

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