

B67D

DISPENSING, DELIVERING OR TRANSFERRING LIQUIDS, NOT OTHERWISE PROVIDED FOR (cleaning pipes or tubes or systems of pipes or tubes B08B9/02 ; emptying or filling of bottles, jars, cans, casks, barrels, or similar containers, not otherwise provided for B67C; water supply E03; pipe systems F17D; domestic hot-water supply systems F24D; measuring volume, volume flow, mass flow or liquid level, metering by volume G01F; coin-freed or like apparatus G07F)

Definition statement

This subclass/group covers:

- Dispensing devices whereby beverages are dispensed from a tap or nozzle.
- Fuel dispensing devices, wherein the fuel is liquid at ambient temperature and atmospheric pressure.
- All liquid dispensing devices which are not classified in a subclass different than [B67D](#).

Relationship between large subject matter areas

Components or details (e.g. pumps, carbonators, cooling or heating arrangements etc...) of the devices are classified in [B67D](#) if those details are relevant for their structural association with the apparatus.

Components or details are NOT classified in [B67D](#) when for these aspects a (sub)group is provided in a subclass different than [B67D](#) (e.g. control taps for draught beverage dispensing are classified in [B67D](#), domestic water taps, for which classification entries are present in the main group [E03C 1/00](#), are not classified in [B67D](#)).

References relevant to classification in this subclass

This subclass/group does not cover:

Dispensing slush beverages or granitas or ice-cream	A23G 9/00
Wearable containers for sportsmen e.g. bicycle runners	A45F 3/00
Sauce, mustard or ketchup dispensers	A47G 19/183
Apparatus for preparing beverages	A47J 31/00

which are hot (also including brewing), but not cold	
Drinking devices to be installed in vehicles	B60N 3/18
Bottles or other containers with a particular pouring opening	B65D
Closures with discharging devices, wherein the dispensing device is part of a removable cap	B65D 47/00
Funnels	B67C 11/00
Water supply directly from water mains (e.g. water taps), drinking fountains	E03 , E03C 1/00
Liquefied pressurised or cryogenic gas dispensers	F17C 5/00
Domestic hot-water supply systems	F24D
Devices for dispensing containers (e.g. bottled or canned beverages or lubricants)	G07F 11/00
Coin-freed or like apparatus for beverages if the details are pertaining to vending operations, customer interfaces and if the selection of drinks is not strictly linked with the preparation of beverages	G07F 13/00 , G07F 15/00

Informative references

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

Cleaning pipes or tubes or systems of pipes or tubes	B08B 9/02
Opening of bottles, jars, cans, casks, barrels, or similar containers	B67B 7/00
Filling or opening of bottles, jars,	B67C 3/00

cans, casks, barrels, or similar containers	
Concurrent cleaning, filling and closing of bottles	B67C 7/00
Pipe systems	F17D
Measuring volume, volume flow, mass flow or liquid level, metering by volume	G01F

B67D 1/00

Apparatus or devices for dispensing beverages on draught (B67D3/00 takes precedence; apparatus for making beverages A47J31/00)

Definition statement

This subclass/group covers:

- Apparatus for non-gravity dispensing of beverages which are cold.
- Apparatus suitable for non-gravity dispensing of both hot and cold beverages.

References relevant to classification in this group

This subclass/group does not cover:

Apparatus for gravity dispensing of beverages	B67D 3/00
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Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

In this group, the following terms (or expressions) are used with the meaning indicated

Carbonator	device for adding carbon-dioxide gas to a beverage
Faucet	tap

Figal	container with the capacity of five gallons
Python	bundle of flexible hoses for carrying a beverage
Spigo	tap, cock

B67D 1/0001

[N: by squeezing collapsible or flexible storage containers (B67D1/0462 takes precedence)]

Special rules of classification within this group

When this is NOT done by some auxiliary fluid, but by e.g. rollers, pistons, etc...

B67D 1/0005

[N: the apparatus comprising means for automatically controlling the amount to be dispensed]

Informative references

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

Measuring volume, volume flow, mass flow or liquid level; metering by volume	G01F
Ratio control	L67D 1/00Q
Metering techniques used to control flow	L67D 1/00R

B67D 1/0014

[N: the beverage being supplied from water mains]

Informative references

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

Water supply	E03
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B67D 1/0017

[N: the apparatus comprising means for automatically controlling the amount to be dispensed]

Informative references

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

Measuring volume, flow, level; metering by volume	G01F
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B67D 1/0022

[N: the apparatus comprising means for automatically controlling the amount to be dispensed]

Informative references

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

Measuring volume, flow, level; metering by volume	G01F
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B67D 1/0039

[N: the controls involving at least two different metering technics]

Definition statement

This subclass/group covers:

The controls of the amounts involve different metering techniques for different components.

B67D 1/0043

[N: Mixing devices for liquids]

Informative references

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

Mixing	B01F 3/08 , B01F 15/00
Mixers	B01F 5/00 , B01F 7/00 , B01F 13/10
Liquid mixing devices	A47J 31/402
Mixing devices	B67D 1/0042

B67D 1/0057

[N: Carbonators]

Informative references

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

Details of the carbonators in	L67D 1/00P , B01F 3/04
Mixing gases with liquids by spraying:	B01F 3/04021 , B01F 3/04049
By bubbling	B01F 3/04106
Immersed stirrers	B01F 3/04531
Using effervescence generating products:	B01F 3/04787
Surface aerating:	B01F 3/0473
Flow mixers	B01F 5/00
Non-alcoholic beverages	A23L 2/00

B67D 1/0058

[N: In-line carbonators]

Definition statement

This subclass/group covers:

Are those wherein the carbonation takes place during a linear flow of the

liquid.

B67D 1/0078

[N: Ingredient cartridges]

Informative references

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

Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients	A47J 31/40
Containers	B65D 85/00

Special rules of classification within this group

When in relation to constructional features of the dispensing apparatus.

B67D 1/0081

[N: Dispensing valves]

Informative references

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

Water taps	E03C 1/00
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B67D 1/0084

[N: Hand-held gun type valves]

Informative references

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

Hand-held dispensing guns	L67D 1/00M30
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Special rules of classification within this group

These subgroups also contain pythons.

B67D 1/0086

[N: Hand-held gun type valves]

Informative references

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

Hand-held dispensing guns	L67D 1/00M30
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Special rules of classification within this group

These subgroups also contain pythons.

B67D 1/04

Apparatus utilising compressed air or other gas acting directly or indirectly on beverages in storage containers

Informative references

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

Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00
Pressurised rigid containers	L67D 1/00L20C
Bag in box	L67D 1/00L20D

Special rules of classification within this group

When the compressed gas has ONLY the purpose of driving the beverage.

B67D 1/0406

[N: with means for carbonating the beverage, or for maintaining its carbonation (B67D1/0418 takes precedence)]

Informative references

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

Mixing gases with liquids	B01F 3/04
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Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00
Means for maintaining its carbonation	B67D 1/0418

B67D 1/0412

[N: the whole dispensing unit being fixed to the container]

Informative references

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

Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00
Containers for delivering liquid by internal gas pressure	B65D 83/14

B67D 1/0418

[N: comprising a CO2 cartridge for dispensing and carbonating the beverage]

Informative references

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

Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	F04F 1/00
Containers for delivering liquid by internal gas pressure	B65D 83/14

B67D 1/0425

[N: comprising an air pump system]

Informative references

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

Pumps driven by steam or air	F04B 9/12
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B67D 1/0443

[N: comprising a gas generator (apparatus for generating gases in general B01J7/00)]

Informative references

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

Apparatus for generating gases	B01J 7/00
Containers for delivering liquid by internal gas pressure, for delivering liquid by internal gas pressure	B65D 83/14

B67D 1/0456

[N: Siphons, i.e. beverage containers under gas pressure without supply of further pressurised gas during dispensing]

Special rules of classification within this group

This subgroup contains also Selz bottles.

B67D 1/0462

[N: Squeezing collapsible or flexible beverage containers, e.g. bag-in-box containers]

Informative references

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

Pressure vessels in general	F17C 1/00
Replaceable containers for liquid components	L67D 1/00L20

B67D 1/07

Cleaning beverage-dispensing apparatus [N: (B67D1/0834, B67D1/0837 take precedence)]

Informative references

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

Disinfecting	A61L 2/00
Washing or cleaning mixers with a jet of fluid;	B01F 15/00019
Accessories for mixers-washing or cleaning using a fluid	B01F 15/00025
Cleaning hollow articles by flushing using pressurised fluid	B01F 15/00032
Cleaning pipes or tubes;	B08B 9/02
Cleaning hollow articles using fluid;	B08B 9/0321
Cleaning of bottle-filling devices	B67C 3/001

B67D 1/0801

[N: of beverage containers, e.g. casks, kegs]

Informative references

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

Casks, kegs	B65D 11/08 , B65D 7/045
Component storage means	B67D 2001/0091

B67D 1/0829

[N: Keg connection means]

Special rules of classification within this group

Many of documents in [B67D 1/0829](#) and subgroups relate to connection

means for inverted bottles.

B67D 1/0857

[N: Cooling arrangements (cooling systems per se F25B)]

Definition statement

This subclass/group covers:

This group also contains cold plates.

Informative references

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

Cooling systems per se	F25B
Heat exchangers	F28D
Liquid coolers	F25D 31/002

B67D 1/0865

[N: by circulating a cooling fluid along beverage supply lines, e.g. pythons]

Informative references

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

Mechanical hand-held gun type valves	B67D 1/0084
Electro-mechanical hand-held gun type valves	B67D 1/0086
Multi-channel hoses	F16L 11/22
Heating or cooling pipes or pipe-systems	F16L 53/00

B67D 1/0867

[N: the cooling fluid being a liquid]

Informative references

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

Liquid coolers	F25D 31/002
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B67D 1/0869

[N: using solid state elements, e.g. Peltier cells] [N9905]

Informative references

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

Machines, plant, or systems using Peltier effect; using Nernst-Ettinghausen effect	F25B 21/02
Cooling or freezing apparatus specially adapted for cooling bottles or cans	F25D 31/007

B67D 1/0871

[N: Level gauges for beverage storage containers (level indicators in general G01F)]

Informative references

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

Indicating or measuring liquid level (details of gauge)	G01F 23/00
Fluid level control devices	B67D 1/12

B67D 1/08G

Advertising means (B67D1/0872 takes precedence)

Informative references

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

Advertising	G09F
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B67D 1/0878

[N: Safety, warning or controlling devices (B67D1/12 takes precedence)]

References relevant to classification in this group

This subclass/group does not cover:

Flow or pressure control devices or systems	B67D 1/12
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B67D 1/0885

[N: Means for dispensing under specific atmospheric conditions, e.g. under inert gas]

Informative references

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

Devices for creating vacuum in food containers, e.g. wine bottles:	B65B 31/047 , B65D 81/2038
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B67D 1/0884

[N: Means for controlling the parameters of the state of the liquid to be dispensed, e.g. temperature, pressure]

Informative references

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

Pressure gauge	L67D 1/00R3
Temperature control	L67D 1/00Y70
Gas pressure control devices	B67D 1/1252

B67D 1/0888

[N: Means comprising electronic circuitry (e.g. control panels, switching or controlling means)]

Definition statement

This subclass/group covers:

E.g. control panels, switching or controlling means.

B67D 1/12

Flow or pressure control devices or systems [N: e.g. valves, gas pressure control, level control in storage containers]

Informative references

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

Control of flow in general	G05D 7/00
Control of level in general	G05D 9/00
Metering techniques to control flow	L67D 1/00R

B67D 1/1238

Comprising means for detecting the liquid level in vessels to be filled e.g. using ultrasonic waves, optical reflexion, probes

Definition statement

This subclass/group covers:

Flow control using flow or pressure sensors, e.g. for controlling pumps.

Informative references

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

Measuring volume, volume flow, mass flow or liquid level; metering by volume	G01F
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B67D 1/125

[N: Safety means, e.g. over-pressure valves]

Definition statement

This subclass/group covers:

Safety devices for flow control in beverage dispensing devices.

References relevant to classification in this group

This subclass/group does not cover:

This group does not cover safety devices for other purposes, which are classified in	B67D 1/0878
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B67D 1/1256

[N: Anti-dripping devices (Drip trays B67D1/16)]

References relevant to classification in this group

This subclass/group does not cover:

Drip trays	B67D 1/16
Valves for preventing dripping from nozzles	F16K 23/00

B67D 1/127

[N: Froth control (B67D1/1411 takes precedence)]

References relevant to classification in this group

This subclass/group does not cover:

Froth control when obtained by control taps	B67D 1/1411
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Informative references

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

Preparation of foamed food:	A23L 1/0097
Means for controlling the build-up of foam in the container to be filled	L67D 1/08X1

B67D 1/14

Reducing valves or control taps

Informative references

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

Valves	B67D 2001/0093
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Special rules of classification within this group

Control taps are to be classified in [B67D 1/1405](#) and subgroups.

B67D 1/1405

[N: Control taps]

Informative references

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

Valves	F16K
Reducing valves or control taps	B67D 1/14

B67D 1/1411

[N: Means for controlling the build-up of foam in the container to be filled]

Informative references

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

Froth control	B67D 1/127
Means for controlling the build-up of	B67D 1/08 , L67D 1/08X1

foam in the container to be filled	
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B67D 1/1416

[N: comprising foam inducing means]

References relevant to classification in this group

This subclass/group does not cover:

Means for inducing foam in the container to be filled	L67D 1/08X1B
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B67D 1/1461

[N: the valve shutter being integral with a compensator]

Informative references

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

Taps with means for adjusting the position of a compensator from outside	B67D 2001/1494
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B67D 1/1472

[N: the valve shutter being integral with a compensator]

Informative references

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

Taps with means for adjusting the position of a compensator from outside	B67D 2001/1494
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B67D 3/00

Apparatus or devices for controlling flow of liquids under gravity from storage containers for dispensing purposes

(separating and dispensing metered quantities of liquids G01F)

Definition statement

This subclass/group covers:

- Apparatus for gravity dispensing of cold beverages;
- apparatus suitable for gravity dispensing of both hot and cold beverages.

References relevant to classification in this group

This subclass/group does not cover:

Dispensing of beverages involving a pumping means or a gas pressure, or from a pressurised line such as water mains	B67D 1/00
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B67D 3/0009

[N: provided with cooling arrangements (cooling perse F25)]

Informative references

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

Cooling or freezing apparatus specially adapted for cooling bottles or cans	F25D 31/007
Liquid coolers	F25D 31/002

B67D 3/0019

[N: using ingredient cartridges]

Informative references

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

Apparatus for making beverages with ingredient-containing cartridges; cartridge-perforating means	A47J 31/407
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B67D 3/0029

[N: provided with holders for bottles or similar containers]

Definition statement

This subclass/group covers:

This group does also cover apparatus provided with holders for pouches, bags and similar containers.

This group does also cover apparatus provided with holders for bottles or similar containers being held upside down and provided with a closure, but with no constructional details specified.

Informative references

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

Hole-piercing devices	B67B 7/28
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B67D 3/0032

[N: the bottle or container being held upside down and provided with a closure, e.g. a cap, adapted to cooperate with a feed tube]

Informative references

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

Closures with filling and discharging, or with discharging, devices	B65D 47/00
Caps	B65D 41/00
Packages formed by enclosing articles or materials in preformed containers	B65D 77/00
Housing	L67D 1/00Y10

Special rules of classification within this group

This document also covers details of the cap only.

B67D 3/0041

[N: with provisions for metering the liquid to be dispensed]

Informative references

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

Apparatus requiring external operation and adapted at each repeated and identical operation to measure and separate a predetermined volume of fluid or fluent solid material from a supply or container without regard to weight and to deliver it wherein the measuring chamber is filled and emptied by tilting or inverting the supply vessel, e.g. bottle emptying apparatus	G01F 11/26
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B67D 3/0083

[N: for the liquid container]

Informative references

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

Other supports for positioning apparatus or articles	F16M 13/00
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B67D 3/04

Liquid-dispensing taps or cocks adapted to seal and open tapping holes of casks, e.g. for beer [N: (closures with filling and discharging devices for containers B65D47/00)]

Informative references

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

Closures with filling and discharging devices for containers	B65D 47/00
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Valves, taps, cocks	F16K
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B67D 7/00

Apparatus or devices for transferring liquids from bulk storage containers or reservoirs into vehicles or into portable containers, e.g. for retail sale purposes (general disposition of plant in stations for supplying fuel to vehicles B60S5/02; for filling or emptying locomotive water tanks, e.g. water columns, B61K11/00; for refuelling aircraft during flight B64D39/00; liquid- handling ground installations specially adapted for fuelling stationary aircraft B64F1/28)

Definition statement

This subclass/group covers:

- apparatus for dispensing of fuel from containers into vehicles.
- apparatus for dispensing of fuel from vehicles (e.g. tank trucks) into containers.
- loading arms.
- apparatus for dispensing detergents for cleaning buildings.
- spouts.
- arrangements of pumps.
- apparatus or devices for transferring liquids to or from ships.

References relevant to classification in this subclass

This subclass/group does not cover:

Ice-cream, sorbet, sherbet and granita dispensers	A23G
Mustard or ketchup dispensers	A47G 19/183
Soap dispensers	A47K 5/00
Spraying apparatuses	B05B 11/00
Glue dispensers	B05C

General disposition of plant in stations for supplying fuel to vehicles	B60S 5/02
Filling or emptying locomotive water tanks, e.g. water columns	B61K 11/00
Apparatus for refuelling aircraft during flight	B64D 39/00
Ground installations specially adapted for fuelling stationary aircraft	B64F 1/28
Containers with special means for dispensing contents	B65D 83/00
Apparatus for dispensing beverages	B67D 1/00 , B67D 3/00
Apparatus or devices for transferring liquids when loading or unloading ships	B67D 9/00
Fuel jerrycans	F16N 3/04

Informative references

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

Apparatus for mixing paints	B44D 3/06
Investigating fluid-tightness of structures	G01M 3/00

B67D 7/005

[N: Spouts]

Definition statement

This subclass/group covers:

This group also covers spouts for fuel dispensing e.g. from hand-held containers or into railway wagons and tank-wagons; loading arms.

References relevant to classification in this group

This subclass/group does not cover:

Nozzles and spouts for commercial fuel dispensers	B67D 7/42
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B67D 7/02

for transferring liquids other than fuel or lubricants

Definition statement

This subclass/group covers:

E.g. for detergents for cleaning buildings; dispensing liquids into railway wagons and tank-wagons; loading arms.

B67D 7/0205

[N: by manually operable pumping apparatus (Hand-held apparatus with pumps for dispensing or spraying liquids or fluent materials B05B11/00)]

Informative references

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

Mustard and ketchup hand-pump dispensers	A47G 19/00
Soap dispensers	A47K 5/00
Single-unit, i.e. unitary, hand-held apparatus comprising a container and a discharge nozzle attached thereto, in which flow of liquid or other fluent material is produced by the muscular energy of the operator at the moment of use or by an equivalent manipulator independent from the apparatus	B05B 11/00

B67D 7/0211

[N: with pump locking means]

Informative references

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

Means for locking a pump or its actuation means in a fixed position	L05B 11/00P9J
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B67D 7/0227

[N: by an ejection plunger (B67D7/0238 takes precedence)]

Definition statement

This subclass/group covers:

E.g. follower plates.

Informative references

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

Apparatus in which liquid or other fluent material is applied to the surface of the work by contact with a member carrying the liquid or other fluent material: component parts	B05C 11/00
Arrangements of power-operated pumps	B67D 7/62

B67D 7/04

for transferring fuels, lubricants or mixed fuels and lubricants

Informative references

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

Apparatus in which liquid or other fluent material is applied to the surface of the work by contact with a member carrying the liquid or other fluent material: component parts	B05C 11/00
Arrangements of power-operated pumps	B67D 7/62

Coin-freed apparatus for controlling dispensing of fluids, semi-liquids or granular material from reservoirs	G07F 13/00
Fuel tank details in connection w. dispensers	B60K 15/00

B67D 7/0401

[N: arrangements for automatically fuelling vehicles, i.e. without human intervention]

Informative references

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

Apparatus and devices for transferring fuels, lubricants or mixed fuels and lubricants	L67D 5/04
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B67D 7/0476

[N: Vapour recovery systems]

Informative references

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

Condensation of vapours	B01D 5/00
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B67D 7/0488

[N: Means for preventing the formation of condensation on, or for removing condensation from, vapour recovery lines]

Special rules of classification within this group

Also recovered vapour condensers.

B67D 7/0496

[N: Performance test devices therefor]

Informative references

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

Vapour recovery systems, constructional features or components	B67D 1/04C1
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B67D 7/061

[N: Means for transferring liquids from a chosen level of a storage container]

Informative references

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

Control of flow without auxiliary power	G05D 7/01
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B67D 7/062

[N: from the free surface level of the liquid]

Informative references

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

Control of flow without auxiliary power	G05D 7/01
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B67D 7/08

Arrangements of devices for controlling, indicating, metering or registering quantity or price of liquid transferred (arrangement of flow- or pressure-control valves B67D7/36; computing, calculating, counting G06; coin-freed apparatus for dispensing fluids G07F13/00; prepayment devices for metering liquids G07F15/00)

Informative references

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

Measuring volume or indicating or recording in connection with	G01D
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measuring in general	
Measuring volume or volume flow in general	G01F
Counting mechanisms per se	G06M
Transactions between vehicles and fuel dispensers	G07F 5/18
Coin-freed apparatus for controlling dispensing of fluids, semi-liquids or granular material from reservoirs wherein the volume is determined during delivery	G07F 13/025

B67D 7/14

responsive to input of recorded programmed information, e.g. on punched cards

Informative references

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

Mechanisms actuated by means, e.g. cards, providing billing information at the time of purchase to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus	G07F 7/025
Coin-freed apparatus for controlling dispensing of fluids, semi-liquids or granular material from reservoirs wherein the volume is determined during delivery	G07F 13/025

Special rules of classification within this group

Also on credit cards, smart cards or the like. Payment with credit cards.

B67D 7/145

[N: by wireless communication means, e.g. RF, transponders or the like]

Informative references

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

Protocols for network applications	H04L 29/08081
RFID, TAGs and transponders:	H04L 12/56B , H04L 12/28W

B67D 7/16

Arrangements of liquid meters

Informative references

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

Volumetric metering: Apparatus requiring external operation and adapted at each repeated and identical operation to measure and separate a predetermined volume of fluid or fluent solid material from a supply or container without regard to weight and to deliver it	G01F 11/00
Details of, or accessories for, apparatus of the preceding groups insofar as such details or appliances are not adapted to particular types of such apparatus	G01F 15/00

B67D 7/163

[N: of fixed measuring chamber type]

Special rules of classification within this group

Technology mainly applied in the 1930's.

B67D 7/166

[N: comprising at least two chambers]

Definition statement

This subclass/group covers:

One chamber emptied while other is being filled;

Special rules of classification within this group

Technology mainly applied in the 1940's.

B67D 7/22

Arrangements of indicators or registers (indicating or recording in fluid meters G01F15/06)

Informative references

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

Devices providing for temperature compensation	G01F 15/024
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B67D 7/32

Arrangements of safety or warning devices; Means for preventing unauthorised delivery of liquid

Informative references

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

Larm arrangements in general	G08B
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Special rules of classification within this group

Assuming that the correct liquid is dispensed (e.g. by means of compatible coupling or complementary shape). Avoiding tampering or cheating.

B67D 7/3209

[N: relating to spillage or leakage, e.g. spill containments, leak detection (leak detectors for underground fuel dispensing systems G01M3/2892)]

Informative references

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

Investigating fluid-tightness of structures by detecting the presence of fluid at the leakage point	G01M 3/04
For pipes, cables or tubes; for pipe joints or seals; for valves	G01M 3/18
Of leakage-indicating devices comprising hollow spaces within walls under pressure or vacuum	B65D 90/503
Overfill prevention	B65D 90/26

B67D 7/3218

[N: relating to emergency shut-off means]

Definition statement

This subclass/group covers:

E.g. shear valves, breakaway couplings.

Informative references

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

Shear valves also in safety valves actuated in consequence of extraneous circumstances, e.g. shock, change of position	F16K 17/36
Safety valves actuated in consequence of extraneous circumstances, e.g. excessive temperature	F16K 17/38
Safety valves with a fracturing member, e.g. fracturing diaphragm, glass, fusible joint	F16K 17/40

B67D 7/3236

[N: relating to electrostatic charges]

Informative references

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

Arrangements for carrying off, or preventing the formation of electrostatic charges	B65D 90/00
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B67D 7/348

[N: by interrogating an information transmitter, e.g. a transponder (B67D7/145 takes precedence)]

Informative references

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

Details of, or arrangements associated with, aerials by structural association with other equipment or articles	H01Q 1/02
Details of, or arrangements associated with, aerials Adaptation for use in or on movable bodies	H01Q 1/27
Transmission control procedure: Protocols for network applications	H04L 29/08081
Radio transmission systems	H04B 7/00

B67D 7/42

Filling nozzles

References relevant to classification in this group

This subclass/group does not cover:

nozzles in general	B05B
fluid-delivering valves in general	F16K 21/00 , F16L , B01F

Informative references

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

LPG nozzles	F17C 5/00
Sealing devices, e.g. bellows	L67D 5/378

B67D 7/421

[N: comprising protective covers, e.g. anti-splash attachments]

Special rules of classification within this group

Also drip collectors.

B67D 7/423

[N: specially adapted for blending several fluids (mixing devices B67D7/74)]

Informative references

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

Mixing liquids to be transferred	L67D 5/56
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B67D 7/426

[N: including means for displaying information, e.g. for advertising (B67D7/425 takes precedence)]

Definition statement

This subclass/group covers:

Simple displays for images and text.

References relevant to classification in this group

This subclass/group does not cover:

Filling nozzles with simple LED indicators:	B67D 7/425
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Informative references

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

Labels, tag tickets, or similar identification or indication means	G09F 3/00
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B67D 7/50

and provided with an additional hand lever

Definition statement

This subclass/group covers:

Accessories for keeping the hand lever triggered.

B67D 7/54

with means for preventing escape of liquid or vapour or for recovering escaped liquid or vapour (B67D7/44 takes precedence)

Informative references

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

Filing nozzles with means for preventing escape of liquid or vapour or for recovering escaped liquid or vapour	L67D 5/378
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B67D 7/58

Arrangements of pumps

References relevant to classification in this group

This subclass/group does not cover:

Arrangements of pumps for other liquids	B67D 7/02
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Informative references

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

Positive displacement pumps	F04B
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Special rules of classification within this group

For fuels and lubricants only.

B67D 7/60

manually operable

Special rules of classification within this group

For fuels and lubricants only: arrangements for other liquids should be classified in [B67D 7/0205](#) and subgroups.

B67D 7/62

power operated

Special rules of classification within this group

Also for emptying tank trucks; also for follower plates.

B67D 7/68

submerged in storage tank or reservoir

Informative references

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

Electrically driven pumping installations or systems for submerged use	F04D 13/08
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B67D 7/74

Devices for mixing two or more different liquids to be transferred (coin-freed apparatus G07F13/06)

Informative references

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

Devices for mixing liquids to be transferred	L67D 5/56
Coin-freed apparatus	G07F 13/06

B67D 7/76

Arrangements of devices for purifying liquids to be transferred, e.g. of filters, of air or water separators

Informative references

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

Filtration, separation, in general	B01D
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B67D 7/78

Arrangements of storage tanks, reservoirs or pipe-lines

Informative references

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

Supplying fuel to vehicles, general disposition of plant in service stations	B60S 5/02
Large containers	B65D 88/00
Accessories for large containers	B65D 90/10
Accessories for buried containers	B65D 90/105
Spillage retaining means	B65D 90/24
Apparatus or devices for transferring fuels, lubricants or mixed fuels and lubricants	B67D 7/04
Spill sumps	B67D 7/3209

Arrangements of flow- or pressure-control valves	B67D 7/36
Arrangements of pumps of piston type	B67D 7/64
Manhole shafts and access chambers	E02D 29/12
Sewers	E03F 3/04 , E03F 5/02
Devices for passing cables through walls:	F16L 5/00
Manifolds for chemical and beverage industry such as breweries:	G01F 1/00
Installations of electric cables or lines in or on the ground or water in cable chambers	H02G 9/10

B67D 7/845

[N: Trolleys or like movable supports]

Informative references

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

Hand carts	B62B 1/00
Lubricant filling or draining	F01M 11/04
Apparatus with hand-positioned nozzle supplied with lubricant under pressure	F16N 5/00

B67D 9/00

Apparatus or devices for transferring liquids when loading or unloading ships (ship-based equipment B63B27/00)

Definition statement

This subclass/group covers:

Devices and apparatus involving hoses, pipes or couplings, specially designed for loading and unloading ships.

Informative references

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

Loading or unloading fluids on ships	B63B 27/24
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B67D 9/02

using articulated pipes

Informative references

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

Dispensing using articulated pipes	B67D 7/002
Filling nozzles	B67D 7/42

B67D 99/00

Subject matter not provided for in other groups of this subclass

Definition statement

This subclass/group covers:

Subject-matter related to dispensing, delivering or transferring liquids not provided for in specific application groups nor in any other group of [B67D](#).