

## B67D

**DISPENSING, DELIVERING OR TRANSFERRING LIQUIDS, NOT OTHERWISE PROVIDED FOR** (cleaning pipes or tubes or systems of pipes or tubes [B08B 9/02](#); 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 place 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](#).

### Relationships with other classification places

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

#### Limiting references

*This place does not cover:*

Dispensing slush beverages or granitas or ice-cream	<a href="#">A23G 9/00</a>
Wearable containers for sportsmen e.g. bicycle runners	<a href="#">A45F 3/00</a>
Sauce, mustard or ketchup dispensers	<a href="#">A47G 19/183</a>
Apparatus for preparing beverages which are hot (also including brewing), but not cold	<a href="#">A47J 31/00</a>
Drinking devices to be installed in vehicles	<a href="#">B60N 3/18</a>
Bottles or other containers with a particular pouring opening	<a href="#">B65D</a>
Closures with discharging devices, wherein the dispensing device is part of a removable cap	<a href="#">B65D 47/00</a>
Funnels	<a href="#">B67C 11/00</a>
Water supply directly from water mains (e.g. water taps), drinking fountains	<a href="#">E03</a> , <a href="#">E03C 1/00</a>
Liquefied pressurised or cryogenic gas dispensers	<a href="#">F17C 5/00</a>
Domestic hot-water supply systems	<a href="#">F24D</a>
Devices for dispensing containers (e.g. bottled or canned beverages or lubricants)	<a href="#">G07F 11/00</a>

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	<a href="#">G07F 13/00</a> , <a href="#">G07F 15/00</a>
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### **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	<a href="#">B08B 9/02</a>
Opening of bottles, jars, cans, casks, barrels, or similar containers	<a href="#">B67B 7/00</a>
Filling or opening of bottles, jars, cans, casks, barrels, or similar containers	<a href="#">B67C 3/00</a>
Concurrent cleaning, filling and closing of bottles	<a href="#">B67C 7/00</a>
Pipe systems	<a href="#">F17D</a>
Measuring volume, volume flow, mass flow or liquid level, metering by volume	<a href="#">G01F</a>

## **B67D 1/00**

**Apparatus or devices for dispensing beverages on draught ([B67D 3/00](#) takes precedence; apparatus for making beverages [A47J 31/00](#))**

### **Definition statement**

*This place covers:*

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

### **References**

#### **Limiting references**

*This place does not cover:*

Apparatus for gravity dispensing of beverages	<a href="#">B67D 3/00</a>
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### **Glossary of terms**

*In this place, 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**

{by squeezing collapsible or flexible storage containers ([B67D 1/0462](#) takes precedence)}

**Special rules of classification**

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

**B67D 1/0005**

{the apparatus comprising means for automatically controlling the amount to be dispensed}

**References****Informative references**

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

Metering techniques used to control flow	<a href="#">B67D 1/1202</a>
Ratio control	<a href="#">B67D 1/1284</a>
Measuring volume, volume flow, mass flow or liquid level; metering by volume	<a href="#">G01F</a>

**B67D 1/0014**

{the beverage being supplied from water mains}

**References****Informative references**

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

Water supply	<a href="#">E03</a>
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**B67D 1/0017**

{the apparatus comprising means for automatically controlling the amount to be dispensed}

**References****Informative references**

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

Measuring volume, flow, level; metering by volume	<a href="#">G01F</a>
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**B67D 1/0022**

{the apparatus comprising means for automatically controlling the amount to be dispensed}

**References****Informative references**

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

Measuring volume, flow, level; metering by volume	<a href="#">G01F</a>
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**B67D 1/0039**

{the controls involving at least two different metering technics}

**Definition statement**

This place covers:

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

**B67D 1/0043**

{Mixing devices for liquids}

**References****Informative references**

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

Mixing devices	<a href="#">B67D 1/0042</a>
Liquid mixing devices	<a href="#">A47J 31/402</a>
Mixing	<a href="#">B01F 3/08</a> , <a href="#">B01F 15/00</a>
Mixers	<a href="#">B01F 5/00</a> , <a href="#">B01F 7/00</a> , <a href="#">B01F 13/10</a>

**B67D 1/0057**

{Carbonators}

**References****Informative references**

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

Details of the carbonators in	<a href="#">B67D 1/0069</a> , <a href="#">B01F 3/04</a>
Non-alcoholic beverages	<a href="#">A23L 2/00</a>
Mixing gases with liquids by spraying:	<a href="#">B01F 3/04021</a> , <a href="#">B01F 3/04049</a>
By bubbling	<a href="#">B01F 3/04106</a>
Immersed stirrers	<a href="#">B01F 3/04531</a>
Surface aerating:	<a href="#">B01F 3/0473</a>

Using effervescence generating products:	<a href="#">B01F 3/04787</a>
Flow mixers	<a href="#">B01F 5/00</a>

## B67D 1/0058

{In-line carbonators}

### Definition statement

*This place covers:*

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

## B67D 1/0078

{Ingredient cartridges}

### References

#### 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	<a href="#">A47J 31/40</a>
Containers	<a href="#">B65D 85/00</a>

### Special rules of classification

When in relation to constructional features of the dispensing apparatus.

## B67D 1/0081

{Dispensing valves}

### References

#### Informative references

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

Water taps	<a href="#">E03C 1/00</a>
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## B67D 1/04

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

### References

#### Informative references

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

Pressurised rigid containers	<a href="#">B67D 2001/0822</a>
Bag in box	<a href="#">B67D 2001/0827</a>

Pumps using positively or negatively pressurised fluid medium acting directly on the liquid to be pumped	<a href="#">F04F 1/00</a>
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### Special rules of classification

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

### B67D 1/0406

{with means for carbonating the beverage, or for maintaining its carbonation ([B67D 1/0418](#) takes precedence)}

### References

#### Informative references

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

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

### B67D 1/0412

{the whole dispensing unit being fixed to the container}

### References

#### Informative references

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

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

### B67D 1/0418

{comprising a CO<sub>2</sub> cartridge for dispensing and carbonating the beverage}

### References

#### Informative references

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

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

**B67D 1/0425****{comprising an air pump system}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Pumps driven by steam or air	<a href="#">F04B 9/12</a>
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**B67D 1/0443****{comprising a gas generator (apparatus for generating gases in general [B01J 7/00](#))}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Apparatus for generating gases	<a href="#">B01J 7/00</a>
Containers for delivering liquid by internal gas pressure, for delivering liquid by internal gas pressure	<a href="#">B65D 83/14</a>

**B67D 1/0456****{Siphons, i.e. beverage containers under gas pressure without supply of further pressurised gas during dispensing}****Special rules of classification**

This subgroup contains also Selz bottles.

**B67D 1/0462****{Squeezing collapsible or flexible beverage containers, e.g. bag-in-box containers}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Replaceable containers for liquid components	<a href="#">B67D 1/0801</a>
Pressure vessels in general	<a href="#">F17C 1/00</a>

**B67D 1/07**

**Cleaning beverage-dispensing apparatus** {([B67D 1/0834](#), [B67D 1/0837](#) take precedence)}

**References****Informative references**

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

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

**B67D 1/0801**

**{of beverage containers, e.g. casks, kegs}**

**References****Informative references**

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

Component storage means	<a href="#">B67D 2001/0091</a>
Casks, kegs	<a href="#">B65D 11/08</a> , <a href="#">B65D 7/045</a>

**B67D 1/0829**

**{Keg connection means}**

**Special rules of classification**

Many of documents in [B67D 1/0829](#) and subgroups relate to connection means for inverted bottles.

**B67D 1/0857**

**{Cooling arrangements (cooling systems per se [F25B](#))}**

**Definition statement**

*This place covers:*

This group also contains cold plates.

## References

### *Informative references*

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

Cooling systems per se	<a href="#">F25B</a>
Liquid coolers	<a href="#">F25D 31/002</a>
Heat exchangers	<a href="#">F28D</a>

## B67D 1/0865

{by circulating a cooling fluid along beverage supply lines, e.g. pythons}

## References

### *Informative references*

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

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

## B67D 1/0867

{the cooling fluid being a liquid}

## References

### *Informative references*

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

Liquid coolers	<a href="#">F25D 31/002</a>
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## B67D 1/0869

{using solid state elements, e.g. Peltier cells}

## References

### *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	<a href="#">F25B 21/02</a>
Cooling or freezing apparatus specially adapted for cooling bottles or cans	<a href="#">F25D 31/007</a>

**B67D 1/0871**

{Level gauges for beverage storage containers (level indicators in general [G01F](#))}

**References****Informative references**

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

Fluid level control devices	<a href="#">B67D 1/12</a>
Indicating or measuring liquid level (details of gauge)	<a href="#">G01F 23/00</a>

**B67D 1/0877**

{Advertising means (advertising in general [G09F](#))}

**References****Informative references**

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

Advertising	<a href="#">G09F</a>
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**B67D 1/0878**

{Safety, warning or controlling devices ([B67D 1/12](#) takes precedence)}

**References****Limiting references**

This place does not cover:

Flow or pressure control devices or systems	<a href="#">B67D 1/12</a>
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**B67D 1/0884**

{Means for controlling the parameters of the state of the liquid to be dispensed, e.g. temperature, pressure}

**References****Informative references**

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

Pressure gauge	<a href="#">B67D 1/1222</a>
Gas pressure control devices	<a href="#">B67D 1/1252</a>
Temperature control	<a href="#">B67D 2210/00099</a>

**B67D 1/0885**

{Means for dispensing under specific atmospheric conditions, e.g. under inert gas}

**References****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:	<a href="#">B65B 31/047</a> , <a href="#">B65D 81/2038</a>
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**B67D 1/0888**

{Means comprising electronic circuitry (e.g. control panels, switching or controlling means)}

**Definition statement**

*This place covers:*

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

**B67D 1/12**

Flow or pressure control devices or systems {, e.g. valves, gas pressure control, level control in storage containers}

**References****Informative references**

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

Metering techniques to control flow	<a href="#">B67D 1/1202</a>
Control of flow in general	<a href="#">G05D 7/00</a>
Control of level in general	<a href="#">G05D 9/00</a>

**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 place covers:*

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

**References****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	<a href="#">G01F</a>
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**B67D 1/125****{Safety means, e.g. over-pressure valves}****Definition statement***This place covers:*

Safety devices for flow control in beverage dispensing devices.

**References****Limiting references***This place does not cover:*

This group does not cover safety devices for other purposes, which are classified in	<a href="#">B67D 1/0878</a>
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**B67D 1/1256****{Anti-dripping devices (Drip trays [B67D 1/16](#))}****References****Limiting references***This place does not cover:*

Drip trays	<a href="#">B67D 1/16</a>
Valves for preventing dripping from nozzles	<a href="#">F16K 23/00</a>

**B67D 1/127****{Froth control ([B67D 1/1411](#) takes precedence)}****References****Limiting references***This place does not cover:*

Froth control when obtained by control taps	<a href="#">B67D 1/1411</a>
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**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Means for controlling the build-up of foam in the container to be filled	<a href="#">B67D 1/1411</a>
Preparation of foamed food:	<a href="#">A23P 30/40</a>

**B67D 1/14****Reducing valves or control taps****References****Informative references**

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

Valves	<a href="#">B67D 2001/0093</a>
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**Special rules of classification**

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

**B67D 1/1405****{Control taps}****References****Informative references**

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

Reducing valves or control taps	<a href="#">B67D 1/14</a>
Valves	<a href="#">F16K</a>

**B67D 1/1411****{Means for controlling the build-up of foam in the container to be filled}****References****Informative references**

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

Means for controlling the build-up of foam in the container to be filled	<a href="#">B67D 1/08</a> , <a href="#">B67D 1/1411</a>
Froth control	<a href="#">B67D 1/127</a>

**B67D 1/1416****{comprising foam inducing means}****References****Limiting references**

This place does not cover:

Means for inducing foam in the container to be filled	<a href="#">B67D 1/1416</a>
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**B67D 1/1461****{the valve shutter being integral with a compensator}****References****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	<a href="#">B67D 2001/1494</a>
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**B67D 1/1472****{the valve shutter being integral with a compensator}****References****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	<a href="#">B67D 2001/1494</a>
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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 place covers:*

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

**References****Limiting references***This place does not cover:*

Dispensing of beverages involving a pumping means or a gas pressure, or from a pressurised line such as water mains	<a href="#">B67D 1/00</a>
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**B67D 3/0009****{provided with cooling arrangements (cooling per se [F25](#))}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Liquid coolers	<a href="#">F25D 31/002</a>
Cooling or freezing apparatus specially adapted for cooling bottles or cans	<a href="#">F25D 31/007</a>

**B67D 3/0019****{using ingredient cartridges}****References****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	<a href="#">A47J 31/407</a>
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**B67D 3/0029****{provided with holders for bottles or similar containers}****Definition statement***This place 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.

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

Hole-piercing devices	<a href="#">B67B 7/28</a>
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**B67D 3/0032****{the bottle or container being held upside down and provided with a closure, e.g. a cap, adapted to cooperate with a feed tube}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Caps	<a href="#">B65D 41/00</a>
Closures with filling and discharging, or with discharging, devices	<a href="#">B65D 47/00</a>
Packages formed by enclosing articles or materials in preformed containers	<a href="#">B65D 77/00</a>
Housing	<a href="#">L67D1/00Y10</a>

**Special rules of classification**

This document also covers details of the cap only.

**B67D 3/0041****{with provisions for metering the liquid to be dispensed}****References*****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	<a href="#">G01F 11/26</a>
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**B67D 3/0083****{for the liquid container}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Other supports for positioning apparatus or articles	<a href="#">F16M 13/00</a>
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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 {(closures with filling and discharging devices for containers [B65D 47/00](#))}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Closures with filling and discharging devices for containers	<a href="#">B65D 47/00</a>
Valves, taps, cocks	<a href="#">F16K</a>

## 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 [B60S 5/02](#); for filling or emptying locomotive water tanks, e.g. water columns, [B61K 11/00](#); for refuelling aircraft during flight [B64D 39/00](#); liquid- handling ground installations specially adapted for fuelling stationary aircraft [B64F 1/28](#))**

### Definition statement

*This place 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

#### Limiting references

*This place does not cover:*

Apparatus for dispensing beverages	<a href="#">B67D 1/00</a> , <a href="#">B67D 3/00</a>
Apparatus or devices for transferring liquids when loading or unloading ships	<a href="#">B67D 9/00</a>
Ice-cream, sorbet, sherbet and granita dispensers	<a href="#">A23G</a>
Mustard or ketchup dispensers	<a href="#">A47G 19/183</a>
Soap dispensers	<a href="#">A47K 5/00</a>
Spraying apparatuses	<a href="#">B05B 11/00</a>
Glue dispensers	<a href="#">B05C</a>
General disposition of plant in stations for supplying fuel to vehicles	<a href="#">B60S 5/02</a>
Filling or emptying locomotive water tanks, e.g. water columns	<a href="#">B61K 11/00</a>
Apparatus for refuelling aircraft during flight	<a href="#">B64D 39/00</a>
Ground installations specially adapted for fuelling stationary aircraft	<a href="#">B64F 1/28</a>
Containers with special means for dispensing contents	<a href="#">B65D 83/00</a>
Fuel jerrycans	<a href="#">F16N 3/04</a>

#### Informative references

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

Apparatus for mixing paints	<a href="#">B44D 3/06</a>
Investigating fluid-tightness of structures	<a href="#">G01M 3/00</a>

**B67D 7/005****{Spouts}****Definition statement***This place 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****Limiting references***This place does not cover:*

Nozzles and spouts for commercial fuel dispensers	<a href="#">B67D 7/42</a>
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**B67D 7/02****for transferring liquids other than fuel or lubricants****Definition statement***This place covers:*

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

**B67D 7/0205**

**{by manually operable pumping apparatus (Hand-held apparatus with pumps for dispensing or spraying liquids or fluent materials [B05B 11/00](#))}**

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

Mustard and ketchup hand-pump dispensers	<a href="#">A47G 19/00</a>
Soap dispensers	<a href="#">A47K 5/00</a>
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	<a href="#">B05B 11/00</a>

**B67D 7/0211****{with pump locking means}****References*****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	<a href="#">B05B 11/3059</a>
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**B67D 7/0227****{by an ejection plunger ([B67D 7/0238](#) takes precedence)}****Definition statement***This place covers:*

E.g. follower plates.

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

Arrangements of power-operated pumps	<a href="#">B67D 7/62</a>
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	<a href="#">B05C 11/00</a>

**B67D 7/04****for transferring fuels, lubricants or mixed fuels and lubricants****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Arrangements of power-operated pumps	<a href="#">B67D 7/62</a>
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	<a href="#">B05C 11/00</a>
Fuel tank details in connection w. dispensers	<a href="#">B60K 15/00</a>
Coin-freed apparatus for controlling dispensing of fluids, semi-liquids or granular material from reservoirs	<a href="#">G07F 13/00</a>

**B67D 7/0401**

{arrangements for automatically fuelling vehicles, i.e. without human intervention}

**References****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	<a href="#">B67D 7/04</a>
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**B67D 7/0476**

{Vapour recovery systems}

**References****Informative references**

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

Condensation of vapours	<a href="#">B01D 5/00</a>
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**B67D 7/0488**

{Means for preventing the formation of condensation on, or for removing condensation from, vapour recovery lines}

**Special rules of classification**

Also recovered vapour condensers.

**B67D 7/0496**

{Performance test devices therefor}

**References****Informative references**

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

Vapour recovery systems, constructional features or components	<a href="#">B67D 7/0478</a>
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**B67D 7/061**

{Means for transferring liquids from a chosen level of a storage container}

**References****Informative references**

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

Control of flow without auxiliary power	<a href="#">G05D 7/01</a>
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**B67D 7/062****{from the free surface level of the liquid}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Control of flow without auxiliary power	<a href="#">G05D 7/01</a>
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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 [B67D 7/36](#); computing, calculating, counting [G06](#); coin-freed apparatus for dispensing fluids [G07F 13/00](#); prepayment devices for metering liquids [G07F 15/00](#))**

**References****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 measuring in general	<a href="#">G01D</a>
Measuring volume or volume flow in general	<a href="#">G01F</a>
Counting mechanisms per se	<a href="#">G06M</a>
Transactions between vehicles and fuel dispensers	<a href="#">G07F 5/18</a>
Coin-freed apparatus for controlling dispensing or fluids, semi-liquids or granular material from reservoirs wherein the volume is determined during delivery	<a href="#">G07F 13/025</a>

**B67D 7/14****responsive to input of recorded programmed information, e.g. on punched cards****References****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	<a href="#">G07F 7/025</a>
Coin-freed apparatus for controlling dispensing or fluids, semi-liquids or granular material from reservoirs wherein the volume is determined during delivery	<a href="#">G07F 13/025</a>

**Special rules of classification**

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

**B67D 7/145**

{by wireless communication means, e.g. RF, transponders or the like}

**References****Informative references**

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

Protocols for network applications	<a href="#">H04L 29/08081</a>
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**B67D 7/16**

Arrangements of liquid meters

**References****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	<a href="#">G01F 11/00</a>
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	<a href="#">G01F 15/00</a>

**B67D 7/163**

{of fixed measuring chamber type}

**Special rules of classification**

Technology mainly applied in the 1930's.

**B67D 7/166**

{comprising at least two chambers}

**Definition statement**

*This place covers:*

One chamber emptied while other is being filled;

**Special rules of classification**

Technology mainly applied in the 1940's.

**B67D 7/22**

**Arrangements of indicators or registers (indicating or recording in fluid meters [G01F 15/06](#))**

**References****Informative references**

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

Devices providing for temperature compensation	<a href="#">G01F 15/024</a>
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**B67D 7/32**

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

**References****Informative references**

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

Larm arrangements in general	<a href="#">G08B</a>
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**Special rules of classification**

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

**B67D 7/3209**

**{relating to spillage or leakage, e.g. spill containments, leak detection (leak detectors for underground fuel dispensing systems [G01M 3/2892](#))}**

**References****Informative references**

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

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

**B67D 7/3218****{relating to emergency shut-off means}****Definition statement***This place covers:*

E.g. shear valves, breakaway couplings.

**References****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	<a href="#">F16K 17/36</a>
Safety valves actuated in consequence of extraneous circumstances, e.g. excessive temperature	<a href="#">F16K 17/38</a>
Safety valves with a fracturing member, e.g. fracturing diaphragm, glass, fusible joint	<a href="#">F16K 17/40</a>

**B67D 7/3236****{relating to electrostatic charges}****References****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	<a href="#">B65D 90/00</a>
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**B67D 7/348****{by interrogating an information transmitter, e.g. a transponder ([B67D 7/145](#) takes precedence)}****References****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	<a href="#">H01Q 1/02</a>
Details of, or arrangements associated with, aerials Adaptation for use in or on movable bodies	<a href="#">H01Q 1/27</a>
Radio transmission systems	<a href="#">H04B 7/00</a>
Transmission control procedure: Protocols for network applications	<a href="#">H04L 29/08081</a>

**B67D 7/42****Filling nozzles****References****Limiting references**

*This place does not cover:*

nozzles in general	<a href="#">B05B</a>
fluid-delivering valves in general	<a href="#">F16K 21/00</a> , <a href="#">F16L</a> , <a href="#">B01F</a>

**Informative references**

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

Sealing devices, e.g. bellows	<a href="#">B67D 7/54</a>
LPG nozzles	<a href="#">F17C 5/00</a>

**B67D 7/421**

**{comprising protective covers, e.g. anti-splash attachments}**

**Special rules of classification**

Also drip collectors.

**B67D 7/423**

**{specially adapted for blending several fluids (mixing devices [B67D 7/74](#))}**

**References****Informative references**

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

Mixing liquids to be transferred	<a href="#">B67D 7/74</a>
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**B67D 7/426**

**{including means for displaying information, e.g. for advertising ([B67D 7/425](#) takes precedence)}**

**Definition statement**

*This place covers:*

Simple displays for images and text.

**References****Limiting references**

*This place does not cover:*

Filling nozzles with simple LED indicators:	<a href="#">B67D 7/425</a>
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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	<a href="#">G09F 3/00</a>
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**B67D 7/50**

and provided with an additional hand lever

**Definition statement**

*This place 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 ([B67D 7/44](#) takes precedence)

**References****Informative references**

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

Filling nozzles with means for preventing escape of liquid or vapour or for recovering escaped liquid or vapour	<a href="#">B67D 7/54</a>
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**B67D 7/58**

Arrangements of pumps

**References****Limiting references**

*This place does not cover:*

Arrangements of pumps for other liquids	<a href="#">B67D 7/02</a>
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**Informative references**

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

Positive displacement pumps	<a href="#">F04B</a>
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**Special rules of classification**

For fuels and lubricants only.

**B67D 7/60****manually operable****Special rules of classification**

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**

Also for emptying tank trucks; also for follower plates.

**B67D 7/68****submerged in storage tank or reservoir****References****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	<a href="#">F04D 13/08</a>
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**B67D 7/74**

**Devices for mixing two or more different liquids to be transferred (coin-freed apparatus [G07F 13/06](#))**

**References****Informative references**

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

Devices for mixing liquids to be transferred	<a href="#">B67D 7/74</a>
Coin-freed apparatus	<a href="#">G07F 13/06</a>

**B67D 7/76**

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

**References****Informative references**

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

Filtration, separation, in general	<a href="#">B01D</a>
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**B67D 7/78****Arrangements of storage tanks, reservoirs or pipe-lines****References****Informative references**

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

Apparatus or devices for transferring fuels, lubricants or mixed fuels and lubricants	<a href="#">B67D 7/04</a>
Spill sumps	<a href="#">B67D 7/3209</a>
Arrangements of flow- or pressure-control valves	<a href="#">B67D 7/36</a>
Arrangements of pumps of piston type	<a href="#">B67D 7/64</a>
Supplying fuel to vehicles, general disposition of plant in service stations	<a href="#">B60S 5/02</a>
Large containers	<a href="#">B65D 88/00</a>
Accessories for large containers	<a href="#">B65D 90/10</a>
Accessories for buried containers	<a href="#">B65D 90/105</a>
Spillage retaining means	<a href="#">B65D 90/24</a>
Manhole shafts and access chambers	<a href="#">E02D 29/12</a>
Sewers	<a href="#">E03F 3/04</a> , <a href="#">E03F 5/02</a>
Devices for passing cables through walls:	<a href="#">F16L 5/00</a>
Manifolds for chemical and beverage industry such as breweries:	<a href="#">G01F 1/00</a>
Installations of electric cables or lines in or on the ground or water in cable chambers	<a href="#">H02G 9/10</a>

**B67D 7/845****{Trolleys or like movable supports}****References****Informative references**

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

Hand carts	<a href="#">B62B 1/00</a>
Lubricant filling or draining	<a href="#">F01M 11/04</a>
Apparatus with hand-positioned nozzle supplied with lubricant under pressure	<a href="#">F16N 5/00</a>

**B67D 9/00**

**Apparatus or devices for transferring liquids when loading or unloading ships (ship-based equipment [B63B 27/00](#))**

**Definition statement**

*This place covers:*

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

**References****Informative references**

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

Loading or unloading fluids on ships	<a href="#">B63B 27/24</a>
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**B67D 9/02**

**using articulated pipes**

**References****Informative references**

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

Dispensing using articulated pipes	<a href="#">B67D 7/002</a>
Filling nozzles	<a href="#">B67D 7/42</a>

**B67D 99/00**

**Subject matter not provided for in other groups of this subclass**

**Definition statement**

*This place covers:*

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