JYSK STANDARD

Soap dispensers

Scope

This standard describes JYSK requirements for soap dispensers.

Change-log

| Section	Changes

Contents

1 General requirements

Soap dispensers must:

- Be constructed to contain and dispense soaps with a pH of 5 to 10 without deteriorating.
- Have water repellent surfaces.
- Contain and dispense conventional hand-soaps without leaking.
- Withstand conventional cleaning with soap and warm water.
- Include a container and a pump.

Note:

The container may contain a detachable lid – E.g.:
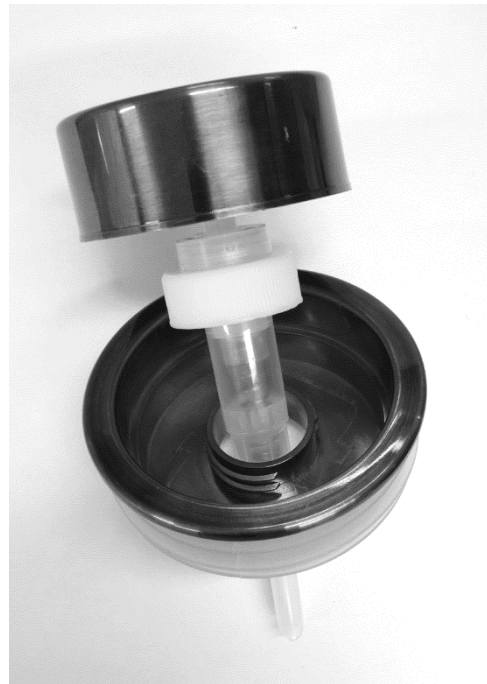
Containers must:

- Have a volume capacity ≥250 ml.
- Have a bottom surface that will not scratch or otherwise damage conventional countertops.

Soap pumps must:

- Be able to pump soaps with a viscosity in the range of 0-3500 centipoises (cP).
- Deliver a quantity of soap of 0,5 – 3 ml per activation.
- Require an operating force of 10 to 30 Newton.
- Have a service life of minimum 20000 pumping cycles.

2 Material requirements

2.1 Materials for containers

Containers must be made of one or several of the materials listed in _Table 1_:

Ceramics	Earthenware
	Stoneware
	Porcelain
Glass	-
Plastic (Uncoated or coated/metalized)	ABS
	PP
	PE
Stainless steel	According to _2.3_

Table 1 – Permitted materials for containers

Note: Use of other materials can be agreed with approval from _JYSK C&Q_.
Gaskets (e.g. rubber-gaskets) are considered independent components.

2.2 Coated components

Coating on coated components must:

- Fully cover all intended visible surfaces.
- Have sufficient adhesion to remain on the component if pierced.

2.3 Requirements for stainless steel

Stainless steel components must be able to pass the requirements of _Table 2_:

Test method	Requirement
72 Hours Neutral Salt Spray method (NSS) according to **ISO 9227**	No sign of red rust

Table 2 – Corrosion resistance

Note: The widely available _AISI/SAE grade 304_ can normally fulfill the stated requirements. Corrosion resistance however also depend on other factors such as surface texture and roughness - Pitting is a well-known issue on brushed steel.

The supplier must specify the stainless steel grade(s) used in a product in the '_Product Information Form_' according to either:

- _AISI/SAE grade_ according to **ASTM 959** – E.g. _304_
- _Unified Numbering System (UNS)_ according to **ASTM E 527**– E.g. _S30400_
- _European steel name_ according to **EN 10027-1** – E.g. _1.4301_
- _European steel number_ according to **EN 10027-2** – E.g. _X2CrNi18-10_

Note: JYSK periodically (and in case of quality-issues) checks the chemical composition of stainless steel against specifications according to the applicable methods described in **ISO/TR 9769**.

3 Construction requirements

3.1 Thread

Soap pumps must contain a standard bottle-thread according to _Table 3_ to fix the pump to the container.

| Thread diameter [mm]	Thread series		Torque [Nm]
	400 series – 1 thread turn	410 series – 1,5 thread turn	
Ø24	24/400	24/410	1,6
Ø28	28/400	28/410	1,9
Ø30	30/400	-	2,0
Ø33	33/400	-	2,3
Ø35	35/400	-	2,4
Ø38	38/400	-	2,4
Ø40	40/400	-	2,5
Ø43	43/400	-	2,5
Note: Underlined sizes are preferred sizes.			

Table 3 – Soap pump thread

Containers must contain a thread suitable for connection with the thread of the included pump.

The thread connection must not cam over when a torque according to _Table 3_ is applied.

The thread connection must enable that the container and pump sits flush when assembled.
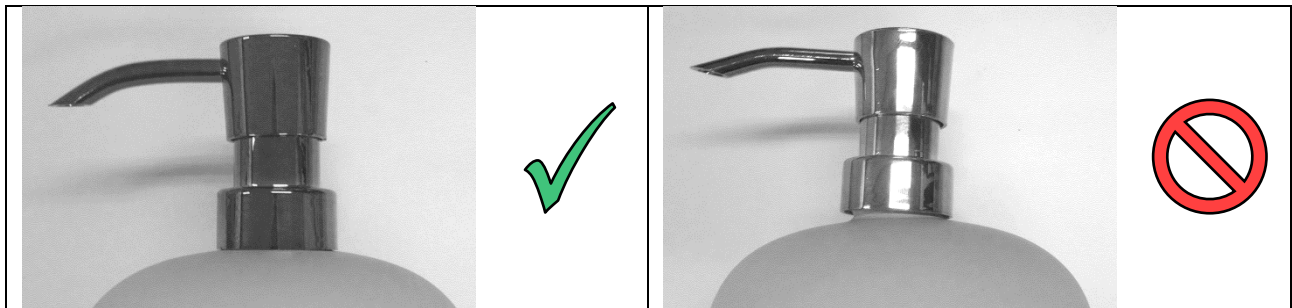
3.2 Tube

Soap pumps must include a tube with a suitable length to reach the bottom of the container.
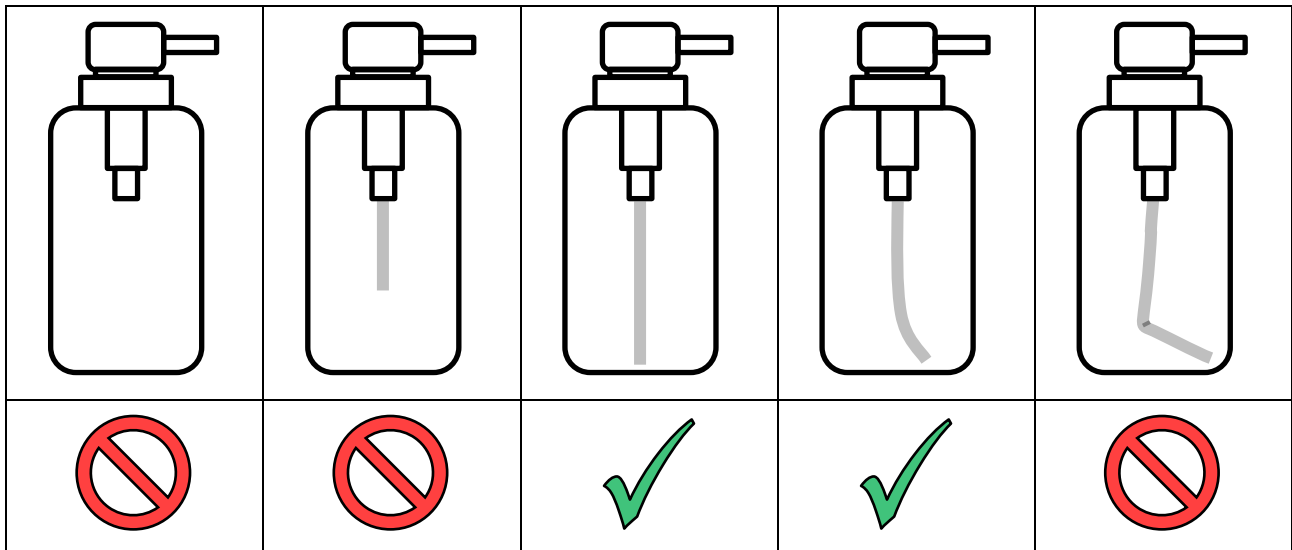
The tube must be free of pinching bends and other flow restrictions in assembled state: