



GLASPRAY



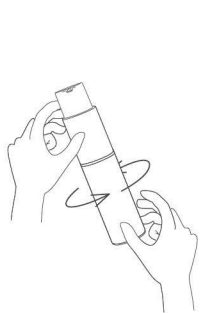
Twist Up Airless
Sustainable package



Glaspray's product development strategies focus on reusability and follows basic 3R principle of Reuse, Reduce and Recycle. As a result, we have created a true sustainable packaging for skincare and cosmetics.

Our AIRLESS cartridge refill system, TUA (Twist Up Airless) is a patented system that carries balance between glamour and sustainability. The airless cartridge replacement system means less impact on the environment as the packages can be reused thus reducing waste.

There are many new policies from the industry or brands being implemented on sustainable packaging, and are likely to change with time as we learn all the possibilities. As an innovator in refillable packages, Glaspray's goal is to provide solutions to our partners to achieve their guidelines and standards of sustainability towards a true circular economy.



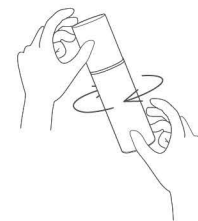
STEP 1



STEP 2



STEP 3



STEP 4



TUA Eco-Friendly Facts

- Reuse of canister reduces plastic usage by 66%
- Refillable cartridge system
- Reusable pump
- PCR material available



Twist Up Airless ——— PET Canister



Roma

1 actuator shape
many decorative possibilities

PET Moulded color
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TUA30	30	36.2 x 153
TUA50	50	41.5 x 161



Silgan
Pure path technology



Dosage : 0.2 ml

Safety clip for refill



Refill Cap



Material Neck Type

PET 18 / 400 snap-on
18 / 400 Screw

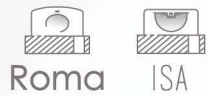
PETG 18 / 400 snap-on
18 / 400 Screw

Standard colors

natural

Patented

Twist Up Airless ——— Aluminum Canister



2 actuator shapes
many decorative possibilities

Aluminum (anodization and spray coating)
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TUA15	15	33 x 111
TUA20	20	33 x 130
TUA30	30	33 x 152



Silgan
Pure path technology



Dosage : 0.2 ml

Safety clip for refill



Refill Cap



Material Neck Type

PP	18 / 400 snap-on
	18 / 415 Screw
PET	18 / 400 snap-on
	18 / 400 Screw
PETG	18 / 400 snap-on
	18 / 400 Screw

Standard colors

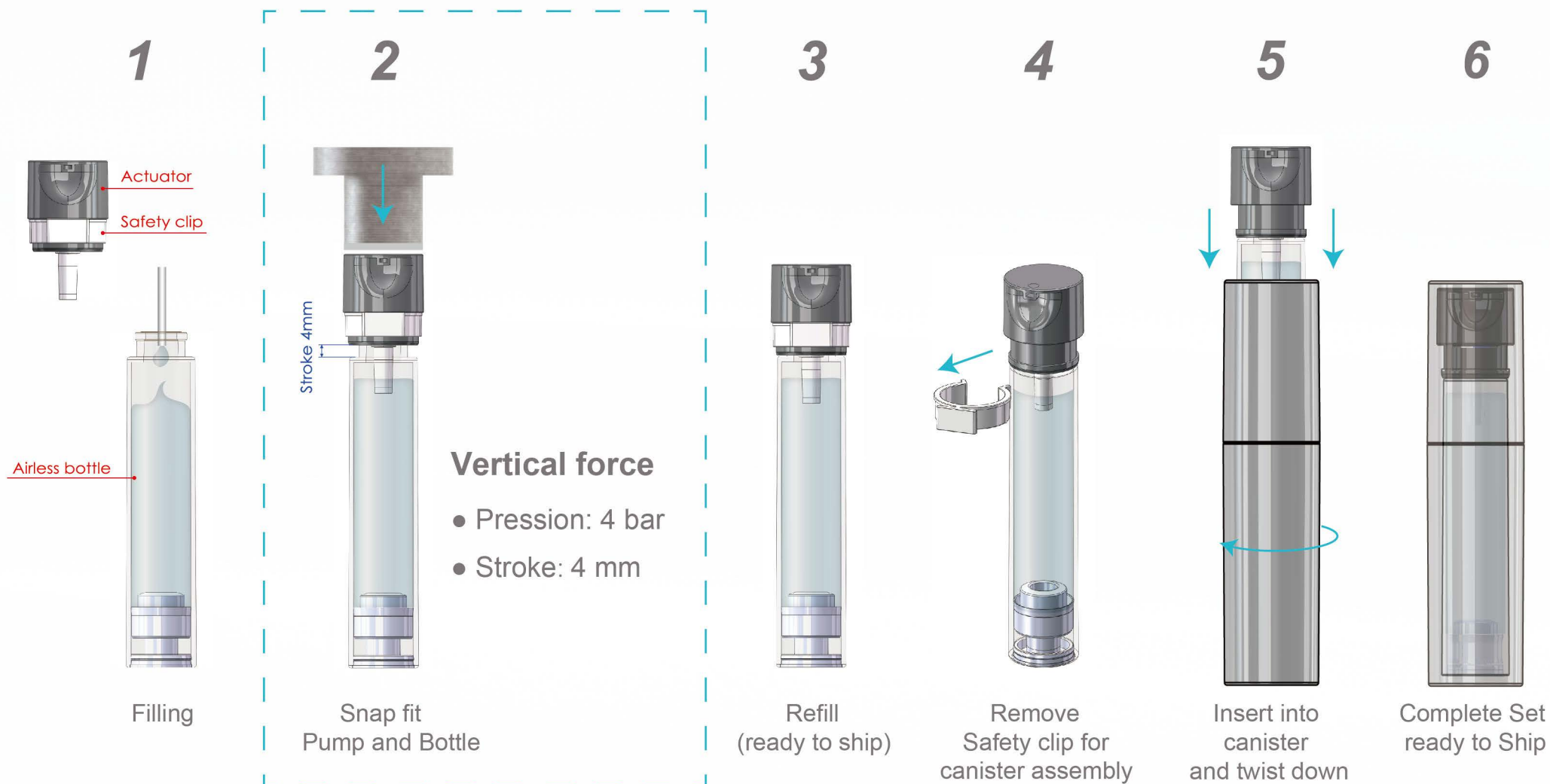
natural

** 15 and 20 ml are available with PP snap-on inner airless bottle only

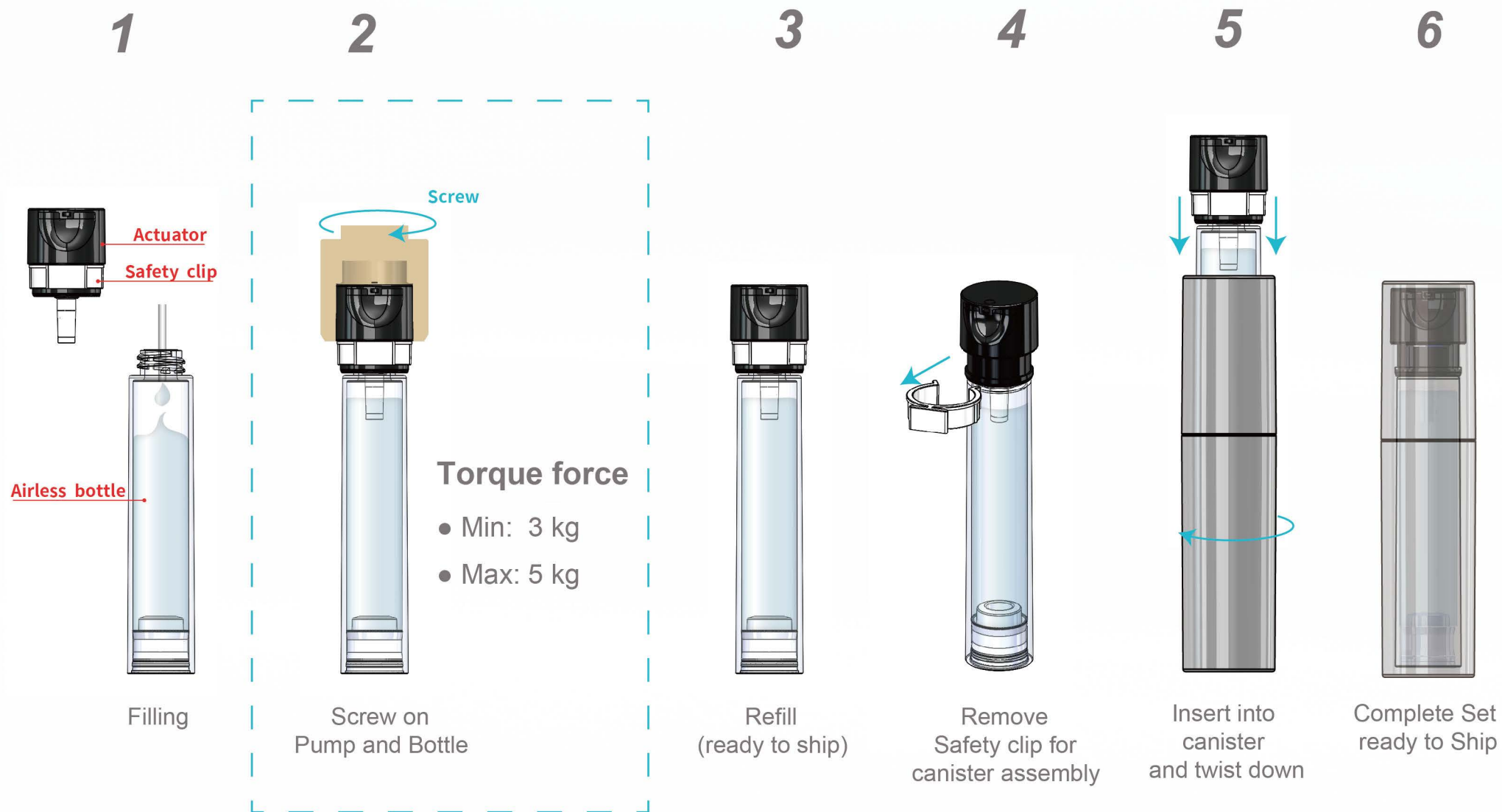
Patented

TUA Snap-On Airless Bottle Assembly

For PET and Aluminum Canister



TUA Screw-On Airless Bottle Assembly



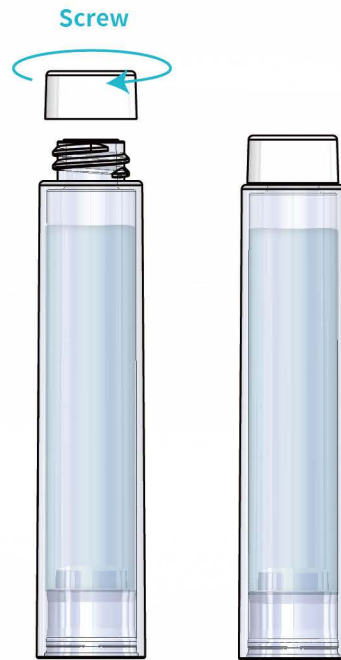
TUA Screw-On Airless Refill Assembly

1



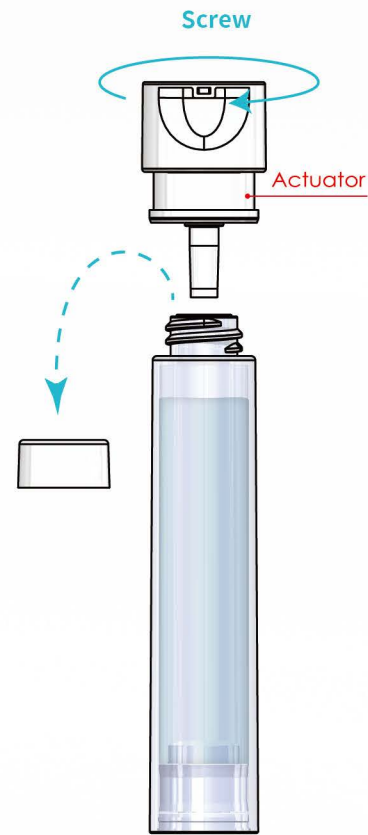
Filling

2



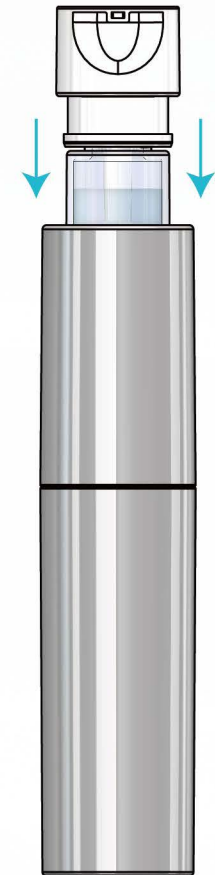
Capping

3



Pump assembly

4



Insert Cartridge



GLASPRAY

Design that feels. Engineering that inspires.

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