



**PRODUCT OF THE MONTH**

# Trigger Sustainability Update

16 June 2021

# SUSTAINABILITY POLICY

Silgan Dispensing is a global designer and manufacturer of plastic dispensing packaging for a variety of end consumer markets. As one of largest plastic dispensing producers globally, our commitment to environmental stewardship, protection of the environment, prevention of pollution, and sustainable business practices includes:



<p><b>ETHICS</b></p> <p>Operate with the highest ethical standards and consistent with our stated values</p>	<p><b>SAFETY</b></p> <p>Ensure the safety of our teammates</p>	<p><b>DIVERSITY</b></p> <p>Ensure a diverse and inclusive environment</p>	<p><b>COMMUNITY</b></p> <p>Create a positive impact on the communities in which we operate</p>	<p><b>BUSINESS HEALTH</b></p> <p>Ensure the sustainable health of our business in-order to provide on-going opportunity</p>
--	--	---	--	---



<p><b>WASTE</b></p> <p>Reduce waste &amp; material consumption</p>	<p><b>ENERGY</b></p> <p>Reduce energy consumption per unit of production</p>	<p><b>WATER</b></p> <p>Promote the sustainable management of water resources</p>	<p><b>AWARENESS</b></p> <p>Implement &amp; communicate to interested parties key health, safety, &amp; environmental systems (OHSAS 18001, ISO 14001)</p>	<p><b>COMPLIANCE</b></p> <p>Meet regulatory and applicable compliance obligations at 100% of our sites</p>
--	--	--	---	--



<p><b>CONSUMER SAFETY</b></p> <p>Guarantee the safety of our products for intended consumer use</p>	<p><b>ECODESIGN</b></p> <p>Use smart design principles to reduce the environmental impact of new and existing products</p>	<p><b>SOURCE MATERIALS</b></p> <p>Employ responsibly sourced materials</p>	<p><b>RECYCLABILITY</b></p> <p>Reduce material usage and utilize more recovered or recoverable material</p>	<p><b>SUPPLY CHAIN</b></p> <p>Reduce the total environmental impact of the packing and shipping of our products</p>
---	--	--	---	---

# SP 05 RECYCLABLE

## Trigger recyclability and SP 05 Status:

- compliance with German packaging law VerpackG § 21 / Design for recycling (to be elevated to EU directive by 2025)
- no metal components
- All polyolefin materials (no POM)

**SP 05 Solution:** on existing SP 05 sprayer, substitute existing POM spring with a new PP spring. The sprayer will then be fully recyclable, manufactured in 100% polyolefin materials.

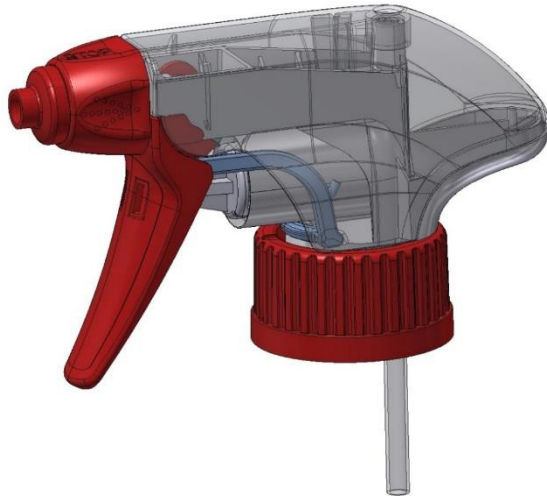
## Technical aspects:

- PP Spring material validated at Silgan
- Output: 1.20 ml + 0.15 - 0.3ml
- Durability: 5,000 operations with water = 6 litres output

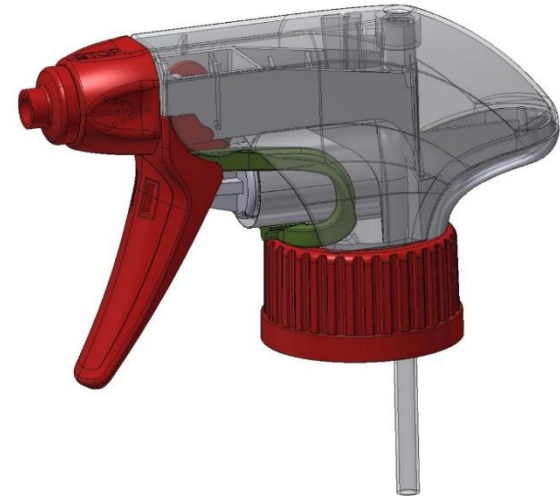
## Timeline:

There will be a transition period, all SP 05 assembly lines scheduled to be converted to PP spring by end 2022.

# SP 05 RECYCLABLE

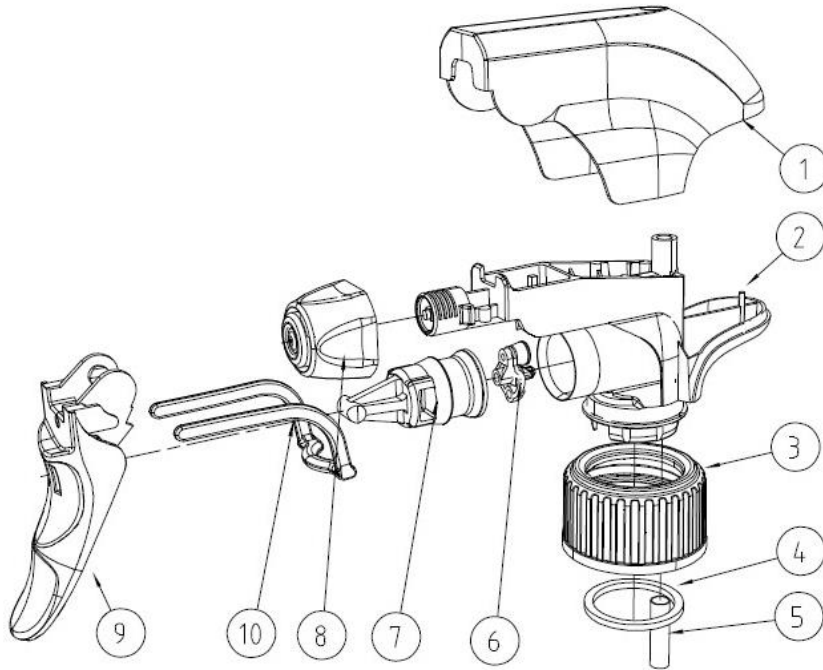


**SP 05  
POM Spring**



**SP 05 Recyclable  
PP Spring**

# SP 05 RECYCLABLE



N° Component	Material	Weight g	
1 Shroud	PP	4,03	
2 Body	PP	7,06	
3 Closure 28mm/410	PP	3,60	
4 Gasket	PE/EPE	0,15	
5 Tube	PP	1,22	
6 Valve	EBA	0,16	
7 Piston	PE	1,26	
8 Nozzle	PE	1,30	
9 Trigger	PP	2,40	
10 Spring	PP	0,79	
PP components		19,10	87%
PE components		2,71	12%
EBA components		0,16	1%
<b>Total weight</b>		<b>21,97</b>	<b>100%</b>

# SP 05 RECYCLABLE



SP 05 Recyclable was awarded «very good» 19 out of 20 points for recyclability by Interseroh.

# SP 05 PCR

SP 05 PCR integrates post-consumer-recycled resin in the current SP 05 sprayer.

## Capability :

- Broad range of non-transparent colors
- Consistent, validated source of supply

## Benefits :

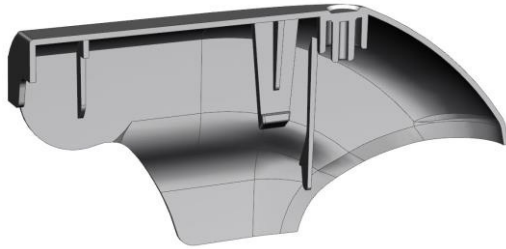
- Improved sustainability
- No performance change
- Invisible to supply chain

## Timeline :

Available now in black and basalt dark grey; other colour options being tested.



# SP 05 PCR



100% PCR  
Shroud



100% PCR  
Trigger



100% PCR  
Closure

SP 05 trigger with PCR spray			
N°	Component	Material	Weight g
1	Shroud	PP	4,03
2	Body	PP	7,06
3	Closure 28mm/410	PP	3,60
4	Gasket	PE/EPE	0,15
5	Tube	PP	1,22
6	Valve	EBA	0,16
7	Piston	PE	1,26
8	Nozzle	PE	1,30
9	Trigger	PP	2,40
10	Spring	PP	0,79
<b>Total</b>			<b>21,97 100%</b>
<b>PCR Components</b>			<b>10,03 46%</b>



# Thank you!