

Fully customisable sweepout assembly

Wesley Weaver details the capabilities of Dura Temp's fourth-generation sweepout assembly, which can be made in single, double, triple, and quadruple gob configurations.

Since 1983, Dura Temp Corporation has been providing innovative and successful customised ware handling solutions for the glass industry's everyday issues. The company's clients across the globe specialise in offering a wide variety of containers produced in varying conditions, which is challenging for classic ware handling parts and assemblies.

New design

Dura Temp's Generation IV Vortex Sweepout Assembly is designed to improve handling and user experience on servo pusher systems that may incorporate vertical pocket air. The

universal backplate allows for flexibility and reduces storeroom inventory.

The Vortex' sweepout assembly can be disassembled from the front, and all contact material and nozzles can be replaced. The one-bolt mounting allows for easy removal of the entire assembly from the machine. This allows for quicker replacement and less downtime on machines using Vortex assemblies.

The overall design of the Vortex Sweepout Assembly allows for it to be lightweight and simplistic, while still maintaining strength to withstand the harsh conditions of glass factories. The sweepout assembly can be made in single, double, triple, and quadruple

gob configurations. Each configuration can be made for left, right, or convertible left/right hand operations. Steel reinforced fingers over-moulded with Dura Temp's proprietary silicone composite material helps to prevent thermal checks. High strength steel brackets resist bending even in the roughest conditions. When using the Vortex Sweepout Assembly, containers are likely to see less denting and checks due to the large contact pads that protect the glass from damage.

Customisation options

Since Dura Temp Corporation often has customers that manufacture containers that are non-round, the Vortex Sweepout Assembly can be customised for container shape and size. The assembly can also be customised when it comes to the contact material. In addition to its silicone moulded material, Dura Temp offers stainless steel braid and carbon-fibre-carbon contact materials based on clients' preferences or operating conditions. Owing to the assembly's robust design, there is a significantly increased wear life, ranging from six months to one year. Vortex Sweepout Assemblies are fully customisable from their mounting types to the contact pad locations. This enables the assembly to adapt to some of the most challenging containers.

Client feedback

The Generation IV Vortex Sweepout Assembly has been installed and is currently in operation at glass manufacturers worldwide. Users of the VSOA have remarked on "flask handling improvement; handles all containers smoothly, and success with all shapes and sizes" to express their experiences using the assembly. Dura Temp's engineering team can customise each Vortex Sweepout Assembly to achieve the correct combination of adaptability and rigidity necessary for any job. Current users have reportedly commented on the ability of the Dura Temp VSOA to handle new machine start-ups with ease (start-ups typically plague standard sweepouts with broken contact materials). Customers have also seen notable improvements versus their original equipment, noting increased material wear life and overall structural life.

Vortex Sweepout Assemblies are currently used in the production of bottles for wine, beer and spirits. ●



Double gob Vortex Sweepout Assembly.



Triple gob Vortex Sweepout Assembly with stainless steel braid.



Quadruple gob Vortex Sweepout Assembly.

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