



M 06-23 3000-24-ENG V2

Product datasheet

gMAX[®] Cyclone Vessel for automotive applications

KREBS[®] gMAX[®] vessel systems effectively remove weld balls, urethane sealer, steel particles, sand, glass and any other debris from cleaning tanks in automotive paint systems.

High Efficiencies

In automotive paint applications, the more efficient your cleaning process is, the better your paint adhesion, finish quality and corrosion resistance will be for your products.

As the foundation for your separation equipment, our gMAX[®] hydrocyclones deliver proven, durable and reliable operation with maximum uptime. Utilising a compact close-packed desander vessel,

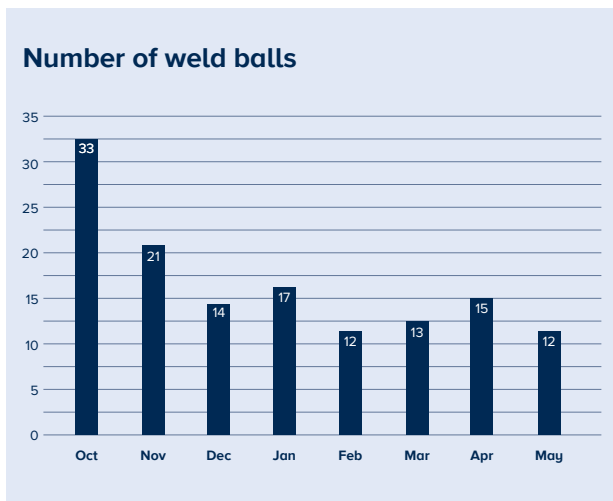
our hydrocyclones have achieved high efficiencies, with removal of up to 98% or more of solid particles that are 10 microns in diameter or larger.

Benefits

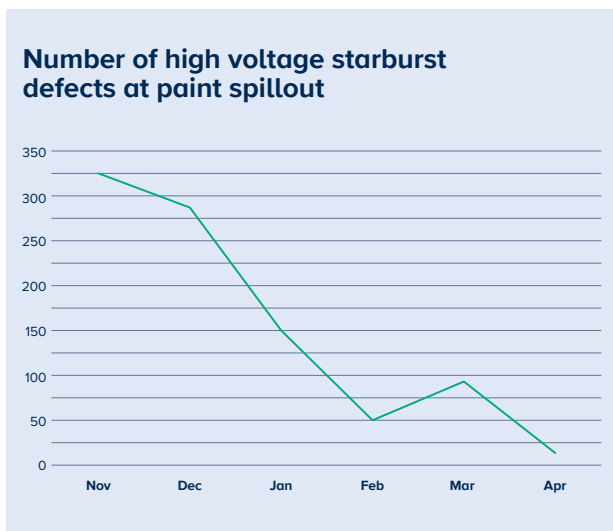
- High efficiencies with small footprint.
- Excellent separation performance.
- Extreme reduction of weld ball inclusions in e-coat layer.
- Low maintenance costs.

Performance speaks volumes

Typical performance of our hydrocyclone system in the spray cleaner stage at automotive plants has resulted in a remarkable reduction of weld ball content and starburst defects. One major North American manufacturer reduced the number of weld balls in its e-coat process by 63.3% in the first six months of operation alone. At another automotive facility, our hydrocyclones installed for the topcoat application resulted in an almost 90% reduction in high voltage starburst defects (a result of weld ball inclusions in the e-coat layer) at spillout.



KREBS® hydrocyclone effect on the e-coat weld ball content



KREBS® hydrocyclone effect on the high voltage starburst defects at spillout

Using patented technology designed for superior separation performance, our hydrocyclones vessels are your best option for removal of fine particle. We can build non-code and code vessels to fit your requirements.

- Top cover pivots for ease of access to cyclones.
- Options for solids collection, including solids bins and bags.
- Systems come in a variety of configurations and may be sized to treat from 7 m³/hr to 1,135 m³/hr (30 gpm to 5,000 gpm) based on your specific needs.
- Carbon steel, 316L stainless steel or other alloys used in vessel construction.
- We can provide hydrocyclones in silicon carbide ceramic
- We can build to ASME code specifications, Section VIII, Division I vessels.
- Our KREBS® Slurry Knife Gate Valves can also be used for solids collection and timed purging of the removed solids.
- KREBS® millMAX-e pumps are ideal for applications like this due to their efficient, low power consumption and long wear life wet end components.



The KREBS® gMAX® hydrocyclone vessel is shown above with a glass body for illustration purpose only

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