



PosiVent® Pressure Equalization System

For Aggressive Food Processing Environments



Keep water and washdown solutions out

Washdown solution and water do a number of useful things in your plant...until they get inside your gearboxes. There, they breakdown lubricant, cause premature wear, and ultimately lead to unpredictable failure.

That is why Boston Gear developed the PosiVent, an entirely unique pressure compensation system that eliminates the need for breather vents and leaves the traditional "bladders" offered by some other gearbox companies in its dust.

The patented PosiVent has a single seam, unlike competitive versions whose multiple seams are often the source of leakage or failure. It was designed for easy assembly. Most importantly, the PosiVent has gone through extensive reliability testing, ensuring long life and effective performance.

In an independent study commissioned by Boston Gear, 36% of gearbox users cited water or washdown fluid getting into their gearboxes as "a major concern." It is alone the number one cause of gearbox failure.

The PosiVent is available on all configurations of the 700 Series line of speed reducers from Boston Gear.



700 Series Worm Gear Speed Reducers are available with PosiVent®

For Aggressive Food Processing Environments

The PosiVent System is a specially designed internal pressure equalization system that allows the gearbox to operate in all environments without the use of conventional air vents.

The PosiVent System is ideal for applications where fine particles such as bakery dust are present and can get absorbed into a gearbox using conventional pressure vents.

Caustic as well as mild solutions can cause pre-mature failure if they are allowed to enter your speed reducer. Washdown solutions break down lubrication and can lead to bearing and gear failures. The PosiVent System eliminates this failure mode with a completely sealed internal pressure compensation system.

Unlike competitive units, the unique single seam design allows for easy installation and extended life. This means longer trouble-free operation and virtually no maintenance.

All PosiVent equipped 700 Series reducers are factory filled with H1 rated food grade lubricant KluberSYNTH UH1 6-460 and can be mounted in any orientation. Right from the box the PosiVent reducer is ready for installation on your equipment.

700 Series speed reducers with PosiVent are available in USDA approved washdown finishes —Bost-Kleen and Stainless Bost-Kleen.

For additional product information, refer to catalog P-1485-BG

