

PPS

PRECISE POSITIONING SYSTEM

AIRCRAFT SERVICE TRUCKS



NEW!
PPS 2.0

COMPANY
VESTERGAARD

OPTIMIZE SPRAY DISTANCE WITH PPS - PRECISE POSITIONING SYSTEM



It is a fact of nature that the shorter distance heated fluid has to travel from nozzle to surface the less of a temperature drop. Vestergaard has developed a system which optimizes the distance from the nozzle to the aircraft surface, the patented Precise Positioning System – PPS.

The Vestergaard Elephant Beta® de-icers can now be supplied with the innovative PPS - Precise Positioning System. The newest version 2.0 constantly helps ensure the correct, optimal distance between nozzle and aircraft, hence improving safety and reducing workload for the operator.

The underlying motivation for the PPS - Precise Positioning System is simple thermo-dynamics: With shorter spray distance, the highest possible ADF temperature can be kept, thereby maximizing energy transfer from fluid to aircraft.

The new version of our PPS now sports radar sensors in three dimensions. This allows the operator to let the nozzle follow wings, winglets and fuselage with same fixed distance. Another new function locks the nozzle to either the

leading edge or the trailing edge of the wing, so the operator only has to move the telescope left or right. The PPS maintains the nozzle at the edge. The operator now only has to concentrate on removing contaminants from the wing.

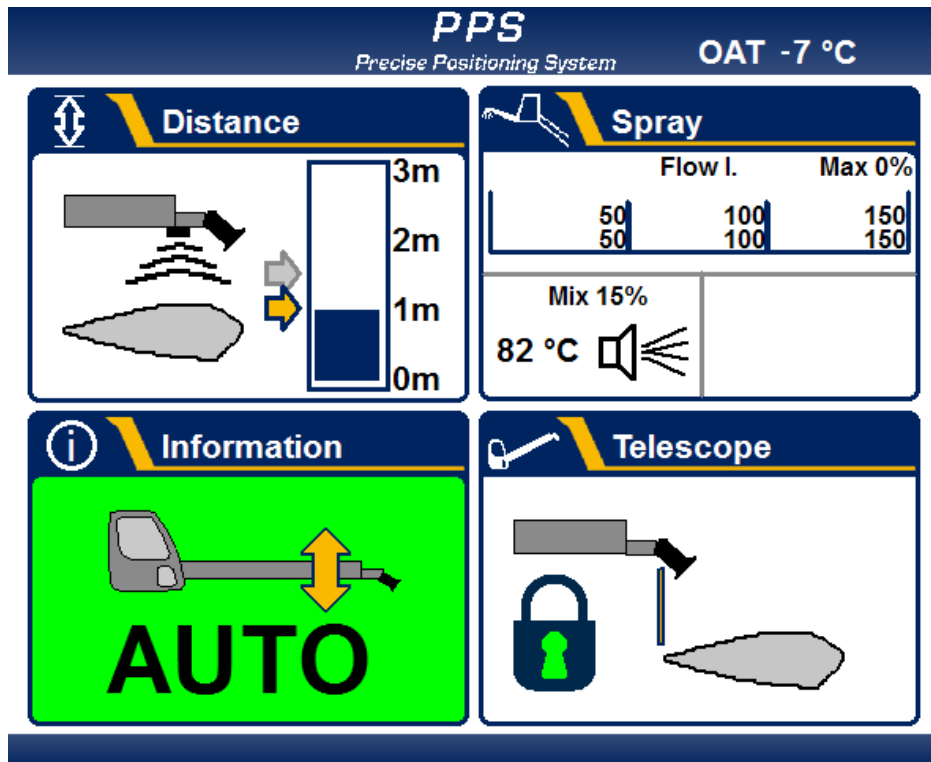
Use of the PPS - Precise Positioning System technology can help you increase your savings - typically up to 20-30%.

MAJOR ADVANTAGES

- » Consistently optimized spray distance
- » More efficient spray operation
- » Reduced operator workload
- » Maintain optimal safety
- » Increased saving
- » Lower training costs

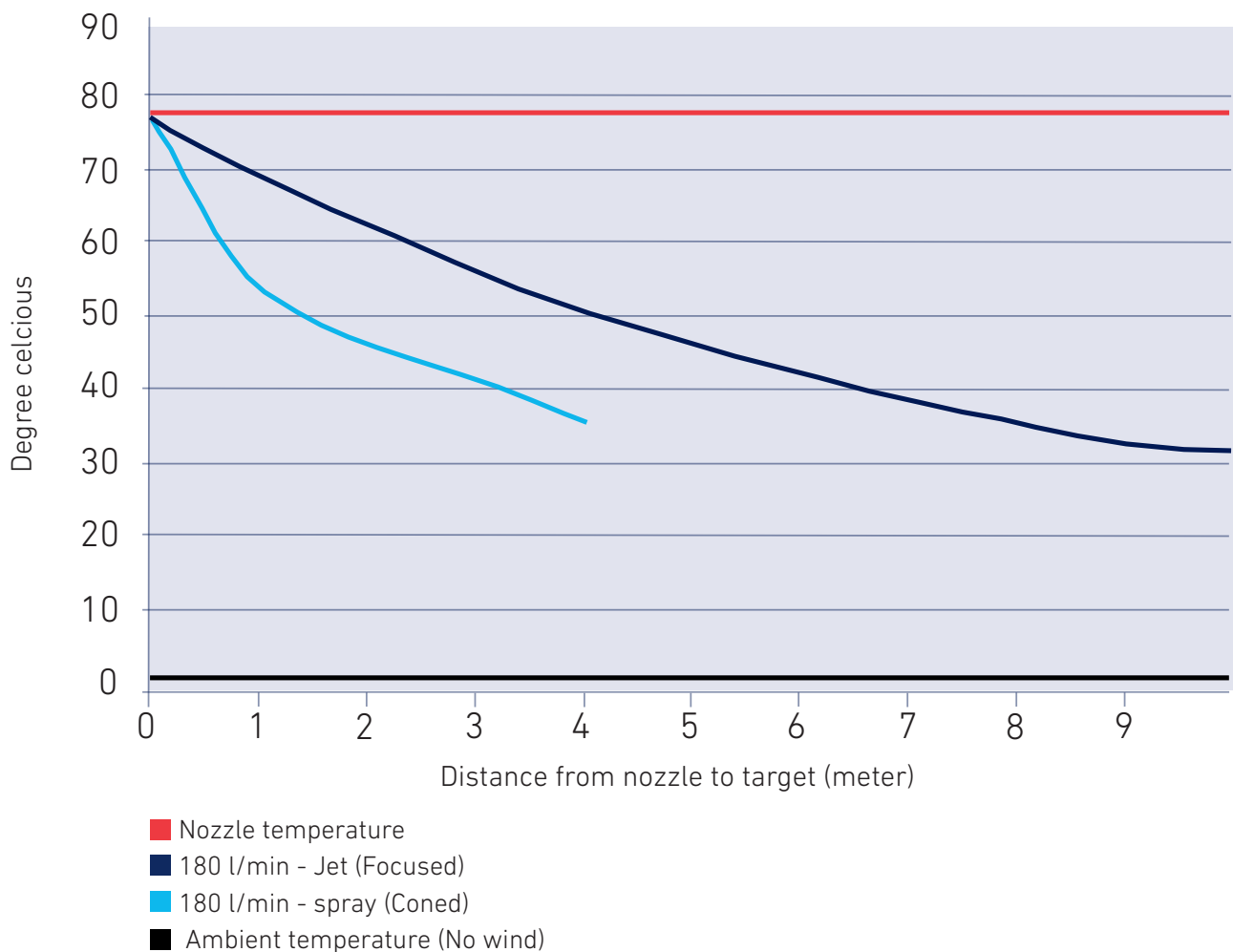


When the operator's cabin is moved up or down the PPS system sensors ensure that the spray distance to the aircraft surface remains the same.



Why PPS - Precise Positioning System?

Heat loss vs distance in degree C





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