



In 2012, Graco's E-Flo DC, dual control circulation pump, was tested at Plastal in Gothenburg, Sweden. Plastal is a leading supplier of engineered plastics to the automotive industry; they manufacture and surface-treat interior and exterior plastic components.

Their office in Gothenburg has a production time of 16 hours a day/ 5 days a week, provided by 215 employees. Injection molding, painting and assembly are carried out for car bumpers, as well as spoilers and trim moldings. With a product quantity of 200K front and 200K back bumpers a year, they are highly sufficient and a good production line is essential. A 1K solvent-borne base coat (in 22 colours) and 2K is used on 22Paint Circulation lines. The installed pumps are 33 Graco President 3:1 pumps and 7 Graco Viscount 1 pumps.

Running time of 24/7

For the test, the local Graco distributor, Trilack Finishing ab, used the new E-Flo DC dual control circulation pump (2HP, 1000cc lower) to circulate the base coat, replacing the President 3:1. The running mode was a continuous flow mode with BPR, using Beckers-Acroma base-coated paint, a 1K solvent-borne metallic paint. The running time of the E-Flo DC was 24 hours a day for 7 days a week with one shift in sleep mode. The flow rate was 6 l/min (10 sec/cycle = 6 cycles/min x 1000cc) and a fluid pressure of 6.5 bar at the pump, 6 bar at the BPR. The duration of the test was over 8 months, with running pumps of 2.070.000 cycles (24hrs/day, 7 days/week) without any issues.

Expected decrease of 50 to 60% of maintenance costs

In conclusion, the first energy calculations showed energy savings of minimum 4000 euros a year per pump! We are expecting a decrease of 50% to 60% of maintenance costs vs. the use of pneumatic motors.

Graco's E-Flo DC circulation pump is easy to install and operate, very reliable, with an excellent and quiet performance. Read more about Graco's E-Flo DC.

END USER

Plastal AB
Gothenburg Sweden
www.plastal.com

Industry market sector

Supplier of products to Cars and Trucks

CONFIGURATION

APPLICATION

Sub supplier of products used for Car and Trucks.

Material specifications

Car lacquers solvent based

GRACO Equipment
E-Flo DC



GRACO Distributor

Trilack Finishing AB
www.trilack.com

Contact Graco

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