



# South Coast Air Quality Management District

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September 18, 2018

Mr. Marvin Burns  
R & D Manager  
Carlisle Fluid Technologies  
320 Phillips Avenue  
Toledo, Ohio 43612

Dear Mr. Burns:

**Subject:** Rule 1151 Transfer Efficiency Approval of the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency Spray Guns with the TE 20 Air Cap with the Addition of a New Digital Pressure Gauge with Model No. DGIPRO-504-PSI and Changing of Company Name from DeVilbiss Automotive Refinishing to Carlisle Fluid Technologies (Application No. 599448)

Reference is made to the above application which you submitted requesting the inclusion of the digital pressure gauge Model No. DGIPRO-504-PSI as an approved gauge for use with the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap as covered by our September 8, 2011 letter, and to change the company name from DeVilbiss Automotive Refinishing to Carlisle Fluid Technologies as requested in your March 5, 2018 e-mail.

The tests data presented in your letter dated November 20, 2017 showed that the air pressure readings at the center and at the air horns of the air caps of spray guns using the Model No. DGIPRO-504-PSI gauge to monitor the air inlet pressure are consistently lower than the air pressure readings of spray guns using one of the currently approved gauges. It is therefore concluded that DeVilbiss Tekna High Efficiency spray guns equipped with the digital pressure gauge Model No. DGIPRO-504-PSI will have equivalent or better transfer efficiency with spray guns equipped with currently approved gauges at the same maximum air inlet pressure.

As reported in your document entitled "Evaluation of the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency (HE) spray guns for use in the South Coast Air Quality Management District (SCAQMD)" dated June 2011, the results of the transfer efficiency testing performed indicate that the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap are capable of achieving equivalent or better transfer efficiency than high-volume, low-pressure spray equipment. As a result, the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20

air cap are approved for operations subject to Rule 1151, Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, under Rule 1151(d)(7)(A)(iii). This approval is an alternative to the approval letter dated September 8, 2011 and is subject to the following conditions:

1. Carlisle Fluid Technologies shall supply written notification with each DeVilbiss TEKNA Pro or TEKNA Pro Lite High Efficiency spray gun with the TE 20 air cap sold or distributed for use within the jurisdiction of the South Coast Air Quality Management District that the spray gun is only approved for the application of color coatings and clear coatings subject to Rule 1151.
2. This approval is only valid if the air pressure supplied to the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap is equal to or less than 35 psig. Carlisle Fluid Technologies shall supply written notification with each DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap sold or distributed for use within the jurisdiction of the South Coast Air Quality Management District that the maximum air pressure supplied to the spray guns shall not exceed 35 psig.
3. Carlisle Fluid Technologies shall supply a 100-psig (full scale) mechanical pressure gauge (Model No. HAV-512) with markings every 2 psig, or a 160-psig (fullscale) digital pressure gauge (Model No. HAV-555) that measures in 1-psig increments, or a 100-psig (full scale) digital pressure gauge (Model No. DGIPRO-504-PSI) that measures in 1-psig increments with each DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray gun with the TE 20 air cap sold or distributed for use within the jurisdiction of the South Coast Air Quality Management District. Carlisle Fluid Technologies shall supply written notification with each DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray gun with the TE 20 air cap sold or distributed for use within the jurisdiction of the South Coast Air Quality Management District that the pressure gauge shall be attached to the spray guns and be in good working condition whenever the spray guns are in operation.
4. This approval is only valid if during actual operation the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap are equipped with a properly operating pressure gauge that meets the criteria specified in condition no. 3.
5. Carlisle Fluid Technologies shall add a clearly visible permanent label on the spray gun air cap specifying the air cap designation TE 20 and that the inlet air pressure shall not exceed 35 psig to all DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns sold or distributed for use within the South Coast Air Quality Management District.

6. Carlisle Fluid Technologies shall add a clearly visible permanent label on the spray gun body identifying that the gun body is a DeVilbiss TEKNA Pro or TEKNA Pro Lite on all DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns sold or distributed for use within the South Coast Air Quality Management District.
7. This approval is only valid if during actual operation the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap are labeled as described in condition numbers 5 and 6.
8. This approval is only valid for the DeVilbiss TEKNA Pro and TEKNA Pro Lite High Efficiency spray guns with the TE 20 air cap model tested. Any modification of the spray gun or pressure gauge design shall invalidate this approval unless the modification is approved by the South Coast Air Quality Management District.

If you have any questions regarding this approval, please call me at (909) 396-3129 or send me an e-mail at [equizon@aqmd.gov](mailto:equizon@aqmd.gov).

Sincerely,



Mitch Haimov, M.S.  
Senior Air Quality Engineering Manager  
Coating, Printing, Plating,  
Military & Entertainment Operations

MH:EVQ