



Hale Products, Inc. Service Bulletins

Bulletin#: SB113

Revision#: B

Date: 5/19/2010

Product Type Covered: Hale Pump ☒ Class 1 ☐

Product Covered:

Exhaust After Treatment interference with Midship Pump Front Suction Connection

Problem Statement:

The exhaust requirements to comply with 2010 emission standards may interfere with pump plumbing requirements for front suction piping. A special suction extension option is available from Hale to solve this issue.

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Date: 7/26/2010

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Body of the Bulletin

The location of the required exhaust after treatment components on the right side of the chassis may interfere with piping for front suction connection on some chassis. Hale Qmid, QfloPlus, Qmax and Qtwo pumps equipped with the current suction extension with bottom connection (P/N 178-0063-01-0) there is often interference with the exhaust so the typical front suction piping cannot be run.

Hale has a suction extension with a six inch opening (P/N 178-0041-01-0) facing towards the front of the apparatus to solve this problem. When mounted on the right side of the pump as illustrated on the next page this opening faces to the front and eliminates the piping interference encountered with the exhaust after treatment components. This usually allows the suction piping to run from the bumper to the suction on the same side of the apparatus. The suction plumbing runs higher in the chassis and away from the typical exhaust system location.

NOTE: The MIV valve that is often pre-mounted by Hale on the bottom opening of the 178-0063-01-0 suction extension cannot be mounted on the front 6 inch flange of the 178-0041-01-0 suction extension. This MIV can be ordered loose and mounted between Victaulic groove couplings or flanges in the front suction plumbing. Use caution to make sure the valve disk clears the flange connections. Hale has 5 inch (P/N 007-3490-00-0) and 6 inch (P/N 007-3480-00-0) victaulic flange connections available.

Hale is updating our price sheets and installation information to add this suction extension. Until the new documentation is available, the suction extension can be ordered using part number 178-0041-01-0 to replace the right side suction extension selection. Additionally a 2D drawing file (DWG) and 3D model file (STP) of the suction extension are available for use in apparatus layout.

Unusual plumbing runs have been used to maintain the front suction connection before designers knew the 178-0041-01-0 was available. On the right side of the front bumper some truck builders have proposed running piping from the right side of the apparatus to the suction connection on the left side of the pump. This additional piping adds to friction losses causing adverse effects during drafting operations. This additional piping is not recommended.

Hale Products is aware of most of the problems the new emission standards are causing with the design of fire apparatus. We are working with our truck builders and chassis builders to overcome these obstacles and provide the best possible product to our customers in the fire service.

For additional information or assistance please contact Hale Products Customer Service at 800-220-HALE.

