

ChemLogic® CL1 Legacy Pump Conversion

DOD Technologies routinely evaluates our gas detection systems, providing updates and improvements with the latest technological advancements. As of Fall 2024, we have tested and approved a new diaphragm pump to replace a discontinued model.

The following notice provides details on the discontinued pump, conversion kits available for existing CL1's and ordering information for replacement pumps after a CL1 has been converted.

Discontinued Pump

CL1 monitors have been manufactured with the same (Brailsford) model pump since the product's inception. This part is no longer in production and out of inventory.

DOD P/N: 870328

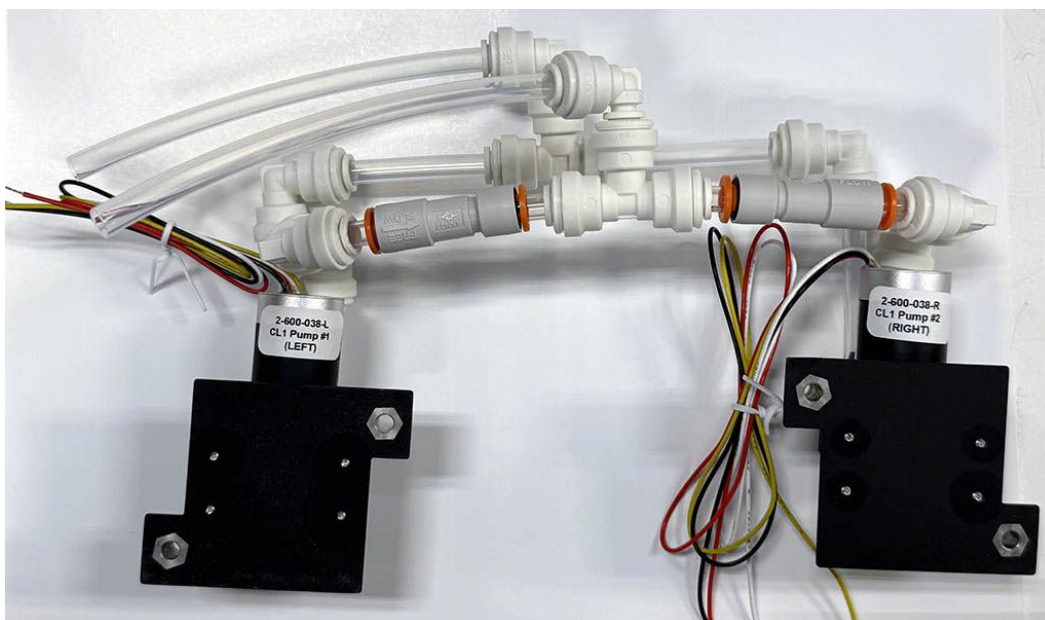
Description: Pump for CL1



Upgrade Conversion Kit

NOTE: When ordering an upgrade conversion kit, note your HMI model number, firmware version and requested gas files. Firmware may only be updated by a DOD Technical Services representative. Software updates can be performed on-site once firmware requirements are met.

If a CL1 is set up to accept the discontinued pumps, it will need to be converted to accept the new replacement pumps. The first step to converting involves evaluation and updates to the system's firmware and software. See the requirements on the chart below. Once updated and converted, the newer style pumps (Pump 1-Left and Pump 2-Right) can be replaced as needed moving forward. Conversion kit ordering information is as follows:



DOD P/N: [2-600-037](#)

Description: Assembly Field Upgrade CL1 Pump SET (Left and Right) – 2025 Version

Requirements:

Minimum firmware and software requirements must be met to operate the CL1 with the new pumps. See the following chart for requirements by HMI model. A MicroSD card will be provided for loading the required software. Hardware modifications may be needed to overcome differences in pump geometry. Contact DOD Technical Services with questions or if you require assistance.

HMI Model #	Required Firmware Ver.	Required Software Ver.	Software
HE-XE1E5	15.23 or higher	25.01081 or higher	CL1_E
HE-XC1E5	15.39 or higher	25.01081 or higher	CL1_C
HE-XE105 [“TU” and after] *	15.18	25.01081 or higher	CL1_AT
HE-XE105 [“TU” and after] * with XEC Ethernet module	15.18	25.01081 or higher	CL1_ATX
HE-XE105 [Before “TU”] *	14.18	25.01081 or higher	CL1_BT
HE-XE105 [Before “TU”] * with XEC Ethernet module	14.18	25.01081 or higher	CL1_BTX

* For HE-XE105 HMI models, the letter following “HE-XE105” determines the hardware revision.

Example:



CL1 units can also be sent to the DOD Technologies’ Technical Service Center for conversion. Simply request a quote by clicking [here](#) and completing [the return authorization \(RA\) form](#). The service labor to install the conversion kit is billed on top of routine inspection services, and any other repairs deemed necessary after initial findings are performed. Service labor (DOD part #1000) will be added to quotes/estimates for conversion kit installation.

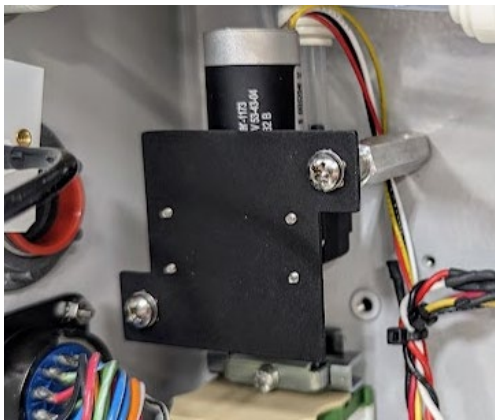
Separate conversion kits are available for units that include the Self-Cleaning/Backflush feature or for converting a CL2 system. Please contact the DOD Technical Service Department for assistance.

Replacement Pump Ordering Information – After Conversion

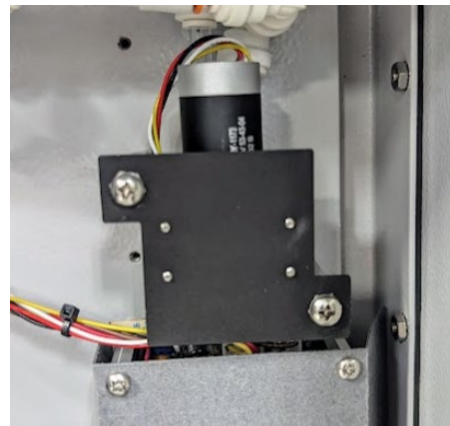
Existing CL1 units must complete the one-time conversion before utilizing the newer replacement pumps on an ongoing basis. The conversion process will allow the units to accept the Left and Right side replacement pumps, as shown below. When ordering future replacements, the assembly noted below will include both Left and Right pumps. The pumps are only available as an assembly.

DOD P/N: [2-600-038-A](#)

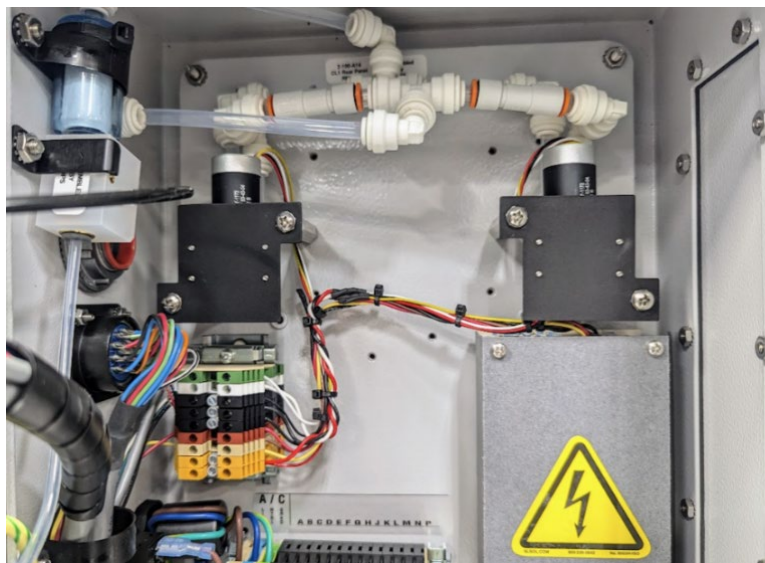
Description: Replacement Pump Assembly – 2025 Version (For New or Converted CL1 Units), Includes Left and Right Side Pumps



Pump 1 / Left Pump



Pump 2 / Right Pump



Converted System