



February 2010

Replacement Cylinders for UEH humidifiers: Using the new snap-on connectors

CAREL has recently developed a new kind of power connector for the humiSteam (UEH) cylinder electrodes. The new connectors are snap-on (they simply slide onto the electrode studs, without threading) and ensure **greater safety and reliability** and much **quicker maintenance**.

The new snap-on connectors have been designed to:

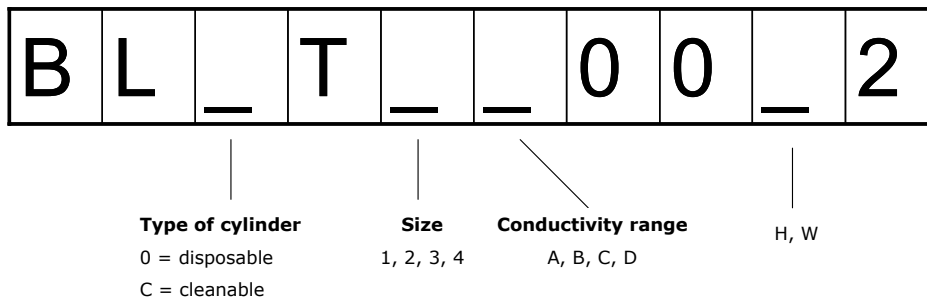
- ✓ Avoid the burning sometimes caused by improper tightening of the power nuts when replacing the cylinders, as the correct tightening force is ensured and kept constant by a harmonic-steel spring design.
- ✓ Reduce the service time required to replace the cylinder, as snap fitting the connectors just takes a matter of seconds and no tools are required.



The studs on the electrodes have a new shape to accept the new snap-on connectors. The studs will not be threaded as in the past. Naturally, rigorous duty tests have been performed to ensure the high reliability of our snap-on connectors during service and after a considerable number of snap fit installation / removal cycles.



The new snap-on connectors will be used on most* UEH replacement cylinders and the new UEX series of humidifiers. The new cylinders will have the same code as the old ones, with "2" being used in place of the "0" or "1" as the final digit of the part number.



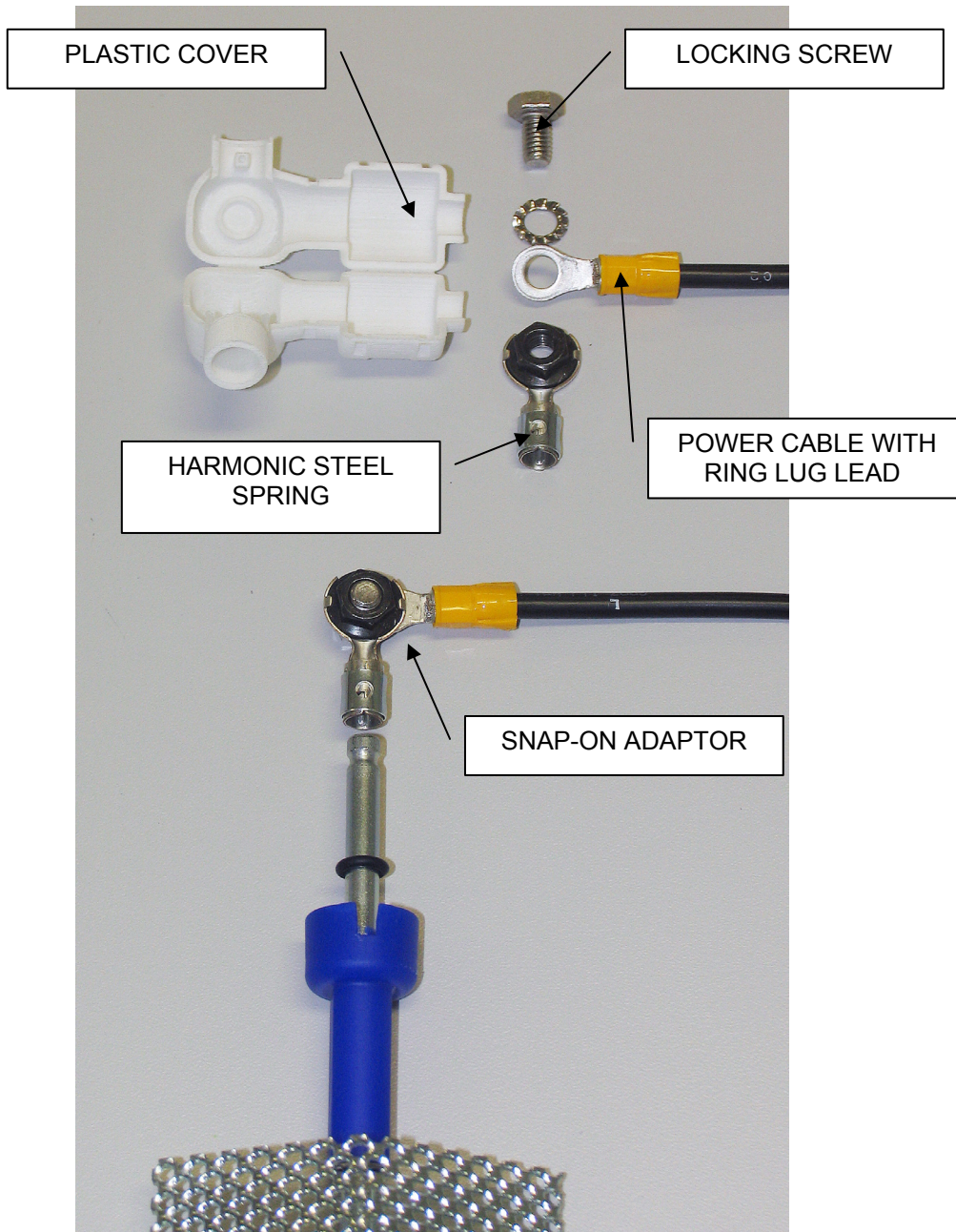
To allow the new design cylinders to be used on humidifiers that are already installed, CAREL has created an adaptor conversion kit for power cables with existing ring lug leads.

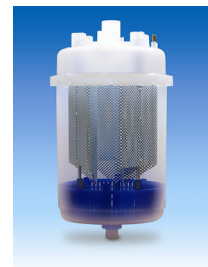
**IMPORTANT NOTE: There are a few UEH replacement cylinders and a few UEX series humidifier cylinders that will continue to use cylinders having threaded stud connections. These cylinders are the ones that have inter-connecting jumpers between the electrode posts.*



Backward compatibility with humidifiers already installed in the field

The connection between the power cables with the ring lug leads and the new cylinder studs will be made using the following snap-on adaptor kits (snap-on connector + protective cover + locking screw):





In addition, two new part number codes have been created for the snap-on adaptor kits (each containing 3 pieces) and, for the foreseeable future, will be supplied together with the replacement spare cylinders:

98C615P004 snap-on adaptor for power cables with O-shaped leads, 5 mm stud

98C615P005 snap-on adaptor for power cables with O-shaped leads, 6 mm stud

The adaptor kits will also be available for separate purchase.

Please do not hesitate to contact Carel USA if you require any further information.