



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

A Teledyne Technologies Company
9480 Carroll Park Drive, San Diego, CA 92121-5201
Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190
E-mail: api-customerservice@teledyne.com <http://www.teledyne-api.com>

Service Note

**98-001 Rev B
2 May, 2007**

NOTIFICATION OF CHANGE IN MOLYBDENUM CONVERTERS

I. SCOPE:

To notify customers of a change in the construction of molybdenum converters.

II. INFORMATION:

In our continuing quest to improve production, reduce costs and improve quality, API has completed a change in the design of the moly converter. Externally, the new moly will look the same as the old. It will work on the same principle. There will be no apparent change, as the change is to the internal structure of the converter.

Formerly, we took a cartridge and placed the chips inside, then screwed a pair of fittings to the cartridge to complete the assembly. The cartridge also had a thermocouple and heater installed inside.

The new style moly is called a "welded" moly as opposed to the "cartridge" moly of old. It is produced by taking a cylinder and sealing one end, then filling it with moly chips. The other end is sealed and tubing is welded to holes in the ends of the cylinder. A band heater is wrapped around the cylinder, with a thermocouple welded to the heater. This change produces a lighter moly with a higher capacity. This new moly contains about 3 times as many chips, so the life expectancy should be more than doubled. The replacement cost is slightly higher for this moly, but the longer life should make the long term cost equal to or less than the current design. In the previous moly, it was possible to "refresh" the converter by the addition of new chips; however, this was fraught with hazards. Damage to the cartridge in trying to remove the heat-welded fittings, as well poisoning of the new chips because of an inadequately cleaned cartridge could result. In the new moly if the chips are expended, you must replace the entire cartridge assembly. It is not possible to open it and replace only the chips.

We offer replacement cartridges. The part number is 010150001 and the price is \$330 U.S.

The original units are still available for \$276 U.S. with a part number of 00260. These new style molys will be phased in beginning the last quarter of 1997.

As always, if you have questions or concerns about this or any API product, contact API's Customer Service Department.