THE NIAGARA-CM™ RAPID RINSE ACCESSORY SAVES TIME & MONEY

The Niagara-CM begins the rinsing of the nebulizer and spray chamber the instant the sample measurement is completed and continues to rinse until the next sample is ready. Thus the rinse is carried out in the time that is usually wasted waiting for the sample and the rinse solutions to flow from the autosampler to the nebulizer. The NEW CM platform combines versatility with ease of installation and operation, along with an easy avenue to upgrade the system and features.

- Faster sample turn around
- Reduced operating costs
- Inert sample path, minimum carryover
- Easily interfaces to most ICP and autosampler models
- Faster washout
- Ability to handle complex samples

The introduction of the Control Module (CM) has removed the controlling software from the instrument PC to a dedicated central command unit. This means that The Niagara-CM has the option of running unattended without any connection to the instrument PC once the method has been loaded.

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GLASS EXPANSION
Quality By Design

The Niagara-CM incorporates an electronically controlled switching valve made entirely of Teflon and PEEK (where sample contact is made) for maximum chemical resistance and reduced carryover.

Figure 1. Sample to Nebulizer, Rinse to Waste

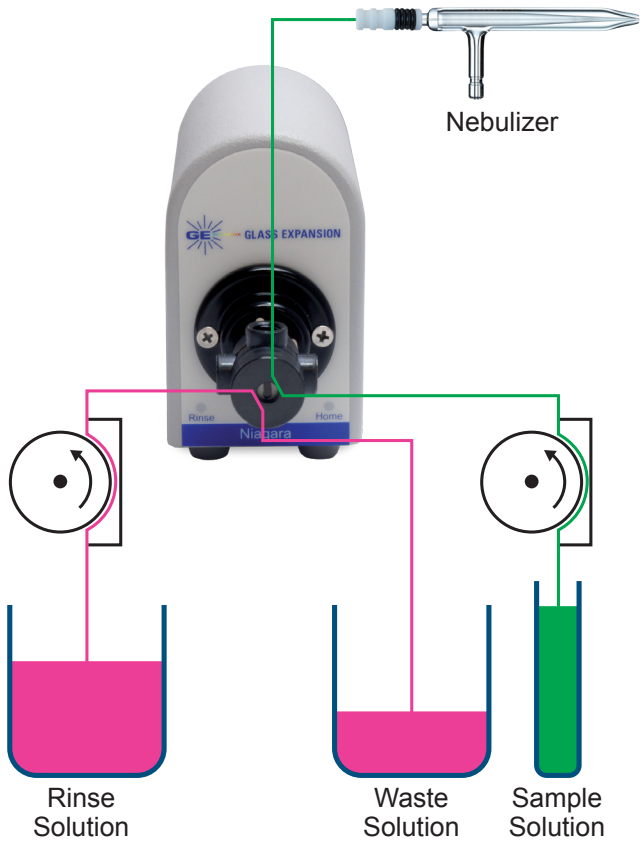
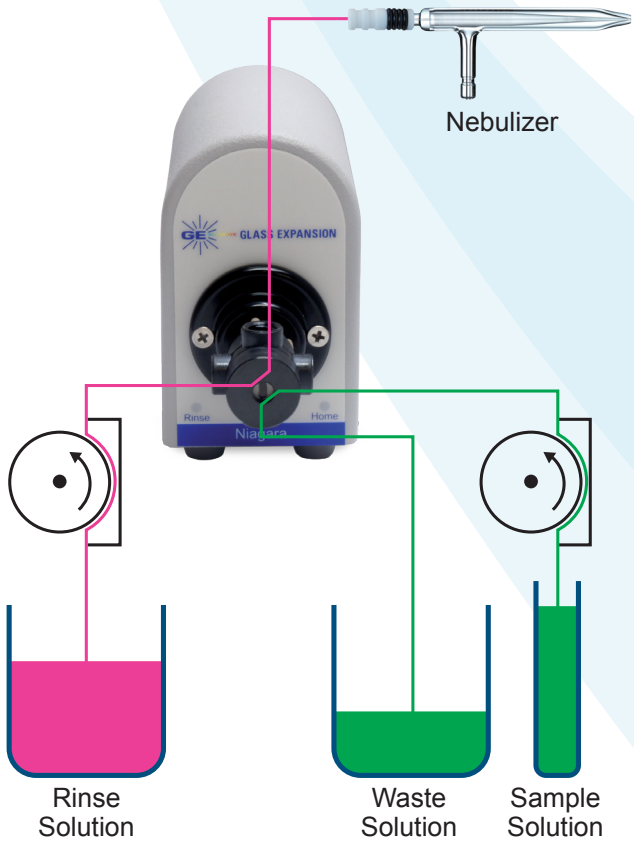


Figure 2. Rinse to Nebulizer, Sample to Waste



During the read time (**Figure 1**) the rinse solution is pumped through the valve to waste.

At the completion of the measurement, the valve switches instantly and the rinse solution is directed to the nebulizer (**Figure 2**).

Comparison of ICP lab with and without the Niagara II Rapid Rinse.

	Standard ICP	With Niagara-CM
Uptake Delay (sec)	30	30
Stabilization (sec)	10	10
Total Read (sec)	60	60
Rinse (sec)	30	0
Total (sec)	130	100
Sample per Hour	27	36