

Process Gas Chromatographs M2CP Valve Sliders

ABB Analytical – Lewisburg WV

Service Bulletin – M2CP Valve Sliders (P/N 764M005/006/007/008-XXXX)

ABB Lewisburg has experienced difficulties in supplier quality on sliders for the M2CP Valve – P/N 754A003D-XXXXXX. The primary vendor for the injected molded sliders was acquired and the plant relocated to another location. With the move, the vendor lost the ability to consistent and reliable manufacture the slider using the injection molded process.



The factory has reviewed the dimensional and stacking requirements for the CP valve, along with the manufacturing process, dimension requirements and stability of the injection molding process for the Slider.

The factory's conclusion was that machining the sliders from the same bulk stock gave tighter tolerances and seating characteristic for the CP valve. Elimination of the fiber filling that was required for the injection molding process improved finish, wear characteristics and reduced port-to-port leakage possibilities.

The design objective of the slider is to have the longest wear characteristic while meeting the sealing requirements for the application. The factory objectives are to match slider materials and applications to maximize application performance.

All sliders supplied by the factory from September 2008 have been machined. These sliders will fit looser in a CP valve at room temperature but fit correctly at oven temperatures.

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Below is a table of sliders and materials available:

<u>Item</u>	<u>Description</u>	<u>Item</u>	<u>Description</u>
764M005-21	SLIDER 10 PT SAMPLE BACKFLUSH DYNEON-GRAPHITE	764M006-21	SLIDER 6 PT SELECTOR/DC DYNEON-GRAPHITE
764M005-31	SLIDER 10 PT SAMPLE BACKFLUSH PTFE	764M006-31	SLIDER 6 PT SELECTOR/DC PTFE
764M005-41	SLIDER 10 PT SAMPLE BACKFLUSH DYNEON-POLYAMIDE	764M006-41	SLIDER 6 PT SELECTOR/DC DYNEON-POLYAMIDE
764M005-51	SLIDER 10 PT SAMPLE BACKFLUSH RYTON FIBER FREE	764M006-51	SLIDER 6 PT SELECTOR/DC RYTON FIBER FREE
764M005-61	SLIDER 10 PT SAMPLE BACKFLUSH FLUROSINT	764M006-61	SLIDER 6 PT SELECTOR/DC FLUROSINT
764M007-2XX1	SLIDER 8 PT LOW VOL DYNEON- GRAPHITE	764M008-21	SLIDER 8 PT BF TO VENT DYNEON-GRAPHITE
764M007-3XX1	SLIDER 8 PT LOW VOLUME PTFE	764M008-31	SLIDER 8 PT BF TO VENT PTFE
764M007-4XX1	SLIDER 8 PT LOW VOLUME DYNEON-POLYAMIDE	764M008-41	SLIDER 8 PT BF TO VENT DYNEON-POLYAMIDE
764M007-5XX1	SLIDER 8 PT LOW VOLUME RYTON	764M008-51	SLIDER 8 PT BF TO VENT RYTON
764M007-6XX1	SLIDER 8 PT LOW VOLUME FLUROSINT	764M008-61	SLIDER 8 PT BF TO VENT FLUROSINT
	XX IN ITEM NUMBER DEFINE SAMPLE SIZE IN MICROLITERS		

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