Technical Information:

Date:	June 03 2004	
Subject:	Part # For Special Diaphrag	ms
Product:	Pump Diaphragm	
Category:	GALA / BETA Pumps – G/4	G/5
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The regular Pump PTFE-faced diaphragms are only suited on a limited basis for the dosing of silicate-containing media e.g. Sodium Silicate. The problem is that microcrystals from the chemical penetrate the PTFE-face in the area of the flexing zone and tear it. A circular cut around the diaphragm core is generated and the PTFE-face removes, subsequently the Elastomer sheeting of the diaphragm ruptures.

A diaphragm has been developed specifically tailored for this application. Here the PTFE-face is protected by an additional Elastomer sheeting against the attack of the micro-crystals. These diaphragms are available for the product lines Beta / Gala G/4 G/5 There is a surcharge for these new diaphragms. See the following table with Part #'s

Part #	Description	Pump Series	Type
1024168	Diaphragm 30.0 x 7.5 PTFE / Viton	Beta / Gala	1601
1024169	Diaphragm 35.0 x 11.5 PTFE / Viton	Beta / Gala	1602
1024170	Diaphragm 46.0 x 16.5 PTFE / Viton	Beta / Gala	1605/1005
1024171	Diaphragm 46.0 x 21.5 PTFE / Viton	Beta / Gala	1008/0708
1024172	Diaphragm 55.0 x 26.0 PTFE / Viton	Beta / Gala	0713/0413
1024173	Diaphragm 77.0 x 33.5 PTFE/ Viton	Beta / Gala	0420/0220
1024166	Diaphragm 48.0 x 18.5 PTFE / Viton	G/4 – G/5	0703
1024164	Diaphragm 60.0 x 17.0 PTFE / Viton	G/4 – G/5	1002/1602
1024167	Diaphragm 60.0 x 28.0 PTFE / Viton	G/4 – G/5	0308/1006/1605
1024165	Diaphragm 76.0 x 37.0 PTFE / Viton	G/4 – G/5	0215/0613/1310