

## Declaration of Compliance

### ECON butterfly valves series 67 and 68



Eriks Flow Control herewith declares that the above mentioned butterfly valves meet the requirements as defined in:

- European Regulation (EC) No. 1935/2004 (Food Contact Materials)
- European Regulation (EC) No. 2023/2006 (Good Manufacturing Practice)
- FDA 21 CFR 177.1550 (Perfluorocarbon resins)

**Product:** Nodular cast iron butterfly valve with stainless steel disc and EPDM-TFM1600 lined seat, series 67 & 68.  
The disc and seat are the only valve parts intended to come into contact with food.

### Migration test results stainless steel disc (ASTM A351-CF8M)

Migration test protocol according to CM/Res(2013)9, Specific release of Metals

Method	Parameter	Analysis principle	Migration conditions for the 3 successive migration steps	Result
EPA 3052 mod	Preparation for migration (metals)	Exposure to 0,5% citric acid by article immersion ICP-MS	1 hour / 100°C	Pass

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### Migration test results PTFE-lined seats - 3M Dyneon TFM 1600

Migration test protocol according to EU 10/2011 (EN1186), Overall Migration (repeated use)

Food simulant	Contact foods	Migration conditions	Technique	OML-value (mg/dm <sup>2</sup> )	Result
A - Ethanol 10%	Aqueous food	3 x 4 hours / 100° C	Immersion	< 10	Pass
B - Acetic acid 3%	Acidic food	3 x 4 hours / 90° C	Immersion	< 10	Pass
D2 - Olive oil	Fatty food	4 hours / 100° C 8 hours / 100° C 12 hours / 100° C	Immersion	< 10	Pass

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Migration test protocol according to EU 10/2011 (EN1186), Specific Migration (based on cube assumption - 6 dm<sup>2</sup> per kg food)

Parameter		SML-value (mg/kg)	Result
Tetrafluoroethylene (TFE)	Worst case calculation of migration	< 0,05	Pass
Perfluoropropoxethylene	Worst case calculation of migration	< 0,05	Pass

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Extraction test method according to FDA 21 CFR 177.1550, overall extraction

Test	Migration conditions	Requirements (mg/inch <sup>2</sup> ) *	Result
Extraction in Heptane 2 hours	2 hours / 100° C	Max. 0,2	Pass
Extraction in Water 2 hours	Reflux temp. for 2 hours	Max. 0,2	Pass
Extraction in 50% Ethanol 2 hours	2 hours / 100° C	Max. 0,2	Pass
Extraction in ETAC 2 hour supplementary	Reflux temp. for 2 hours	Max. 0,2	Pass

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\* as mentioned in FDA 21 CFR 177.1550



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