

Declaration of Compliance

ECON butterfly valves series 63 and 64



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 177.2600 (Rubber articles intended for repeated use)

Product: Series 63 & 64 nodular cast iron butterfly valve with stainless steel disc and EPDM seat.
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 EPDM seats

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

Food simulant	Contact foods	Black seat Compound 55985	White seat Compound EP80271PF	Result
		Time / Temperature	Time / Temperature	
A - Ethanol 10%	Aqueous food	24 hours / 90° C	4 hours / 100° C	Pass
B - Acetic acid 3%	Acidic food	24 hours / 100° C	4 hours / 100° C	Pass
C - Ethanol 20%	Alcoholic food	1 hour / 88° C	4 hours / 100° C	Pass
D1 - Ethanol 50%	Semi-fatty food	1 hour / 88° C	4 hours / 100° C	Pass
F - Distilled water	Aqueous food	24 hours / 100° C	4 hours / 100° C	Pass

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Extraction test results EPDM black seat, compound 55985

Extraction test method according to FDA 21 CFR 177.2600, overall extraction in Hexane and boiling water as described in subparagraphs (e) and (f).

Test	Requirements (mg/inch ²)	Result
Extraction Hexane 7 hours	Max. 175	Pass
Extraction Hexane 2 hours	Max. 4	Pass
Extraction in boiling water 7 hours	Max. 20	Pass
Extraction in boiling water 2 hour supplementary	Max. 1	Pass

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