

DIN EN 12042:2011-06 (E)

Food processing machinery - Automatic dividers - Safety and hygiene requirements (includes Amendment A1:2010)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms, definitions and description	7
3.1	Terms and definitions	7
3.2	Description	7
4	List of significant hazards	8
4.1	General	8
4.2	Mechanical hazards	8
4.3	Electrical hazards	9
4.4	Hazards generated by noise	9
4.5	Hazards resulting from dust inhalation	9
4.6	Hygiene	10
4.7	Hazards generated by neglecting ergonomic principles	10
4.8	Hazards specific to divider oil	10
4.9	Pneumatic and hydraulic equipment	10
5	!!!!Safety and hygiene requirements and/or protective measures!!!!!!	10
5.1	General	10
5.2	Mechanical hazards	10
5.3	Electrical hazards	17
5.4	Noise reduction	18
5.5	Protection against dust emission	18
5.6	Protection against spilling oil	18
5.7	Hygiene requirements	19
5.8	Hazards generated by neglecting ergonomic principles	19
5.9	Pneumatic and hydraulic equipment	20
6	!!!!Verification of safety and hygiene requirements and/or protective measures!!!!!!	20
7	Information for use	21
7.1	Signals and warning	21
7.2	Instruction handbook	22
7.3	Marking	23
Annex A (normative)	Noise test code for automatic dividers - Grade 2 of accuracy	24
A.1	Definitions	24
A.2	Installation and mounting conditions	24
A.3	Operating conditions	24
A.4	Measurements	24
A.5	Emission sound pressure level determination	24
A.6	Sound power level determination	25
A.7	Measurement uncertainties	25
A.8	Information to be recorded	25

A.9	Information to be reported	25
A.10	Declaration and verification of noise emission values	26
Annex B (normative) Principles of design to ensure the cleanability of automatic dividers		27
B.1	Definitions	27
B.2	Materials of construction	27
B.3	Design	28
Annex ZA (informative) !!!!Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC""""		46
Bibliography		47