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