

Stainless Steel

in the

Beverage Industry

Market Volumes – Applications - Outlook



Source: Kronos



Source: GEA TDS



Table of Contents

ABBREVIATIONS	4
1 Introduction	5
2 Market Volumes & Structures	8
2.1 Share of Beverage from Total Stainless	8
2.2 Market by Application	9
2.3 Market by Product Form	11
2.4 Market by Application and Product Form.....	12
2.5 Market by Grade	15
2.6 Market by Region.....	17
3 Applications	19
3.1 Tanks and Tank Equipment	19
3.1.1 Introduction	19
3.1.2 Types of Tanks	21
3.1.3 Case Study from Outokumpu.....	30
3.1.4 Tank Equipment.....	31
3.1.5 Product Forms	37
3.1.6 Grades	38
3.1.7 Manufacturers of Tanks and Tank Equipment	40
3.2 Filtration Technologies	44
3.2.1 Introduction	44
3.2.2 Types of Filtration Technologies	45
3.2.3 Product Forms	52
3.2.4 Grades	53
3.2.5 Manufacturers of Filtration Technologies	54
3.3 Packaging Equipment	55
3.3.1 Introduction	55
3.3.2 Product Forms	64
3.3.3 Grades	66
3.3.4 Manufacturers of Packaging Equipment	67

3.4 Hygienic Tubes & Fittings	70
3.4.1 Introduction	70
3.4.2 Product Forms	71
3.4.3 Grades	72
3.4.4 Manufacturers of Hygienic Tubes	72
3.5 Heat Exchangers	73
3.5.1 Introduction	73
3.5.2 Types of Heat Exchangers.....	75
3.5.3 Product Forms	81
3.5.4 Grades	83
3.5.5 Manufacturers of Heat Exchangers.....	84
3.6 Valves	85
3.6.1 Introduction	85
3.6.2 Types of Valves	86
3.6.3 Product Forms	91
3.6.4 Grades	92
3.6.5 Manufacturers of Valves	93
3.7 Hygienic Pumps	94
3.7.1 Introduction	94
3.7.2 Main Types of Hygienic Pumps.....	95
3.7.3 Product Forms	98
3.7.4 Grades	99
3.7.5 Producers of Pumps	100
3.8 Kegs and Casks	101
3.8.1 Introduction	101
3.8.2 Product Forms	103
3.8.3 Grades	105
3.8.4 Manufacturers of Kegs and Keg Equipment	106
3.9 Dispensing Equipment	107
3.9.1 Introduction	107
3.9.2 Product Forms	110
3.9.3 Grades	111
3.9.4 Manufacturers of Dispensing Equipment	112
3.9.5 Manufacturers of Coiled Tubes	112
4 Surface Finishes	113
5 Outlook	116