ISO 12213-3:2006-11 (E)

Natural gas - Calculation of compression factor - Part 3: Calculation using physical properties

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Method of calculation 2
4.1 Principle 2
4.2 The SGERG-88 equation 2
4.3 Input variables 3
4.4 Ranges of application 3
4.5 Uncertainty 5

5 Computer program 6

Annex A (normative) Symbols and units 7

Annex B (normative) Description of the SGERG-88 method 10

Annex C (normative) Example calculations 21

Annex D (normative) Conversion factors 22

Annex E (informative) Specification for pipeline quality natural gas 25

Annex F (informative) Performance over wider ranges of application 28

Annex G (informative) Subroutine SGERG.FOR in Fortran 33

Bibliography 38