

ISO/TS 16976-1:2015-12 (E)

Respiratory protective devices - Human factors - Part 1: Metabolic rates and respiratory flow rates

| Contents | Page |
|--|------|
| Foreword | iv |
| Introduction | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Activity and metabolic rate | 2 |
| 5 Metabolic rate and oxygen consumption | 4 |
| 6 Oxygen consumption and minute volume | 5 |
| 7 Minute volume and peak inspiratory flow rates | 7 |
| 7.1 Normal breathing | 7 |
| 7.2 Speech and breathing | 8 |
| 7.3 Sneezing and coughing | 10 |
| 8 Individual variation and gender aspects | 12 |
| Annex A (informative) Examples for the use of data | 15 |
| Bibliography | 18 |