

DIN EN ISO 13971:2025-11 (E)

Refrigeration systems and heat pumps - Flexible pipe elements, vibration isolators, expansion joints and non-metallic tubes - Requirements and classification (ISO 13971:2012)

| Contents | | Page |
|--------------------|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Applications | 3 |
| 4.1 | General | 3 |
| 4.2 | Flexible pipe elements for significant movements, flexible pipe elements for intermittent movement and fixed installed flexible pipe elements | 3 |
| 4.3 | Vibration isolators | 4 |
| 4.4 | Expansion joints | 4 |
| 4.5 | Metallic flexible pipes | 5 |
| 5 | Materials | 5 |
| 6 | Pressure, pulsation and distortion requirements | 5 |
| 7 | Permeability of non-metallic flexible tubes | 5 |
| 7.1 | General | 5 |
| 7.2 | Test procedure | 6 |
| 8 | Internal cleanliness, internal humidity and permeability of water vapour | 7 |
| 9 | End connections | 7 |
| 10 | Pre-charged flexible pipe elements | 8 |
| 11 | Marking | 8 |
| 12 | Documentation | 8 |
| Bibliography | | 9 |