

DIN EN 17110:2018-10 (E)

Tanks for transport of dangerous goods - Service equipment for tanks - Vapour manifold vent valve

| Contents | | Page |
|-------------------------|--|-------------|
| European foreword | | 3 |
| Introduction | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms and definitions | 6 |
| 4 | Functions | 6 |
| 5 | Design characteristics | 7 |
| 5.1 | General | 7 |
| 5.2 | 5.2. Pressure and vacuum breathing | 7 |
| 5.3 | Ingress protection | 7 |
| 5.4 | Flow capacity | 7 |
| 5.5 | Temperature range | 7 |
| 5.6 | Materials of construction | 7 |
| 5.7 | Dimensional characteristics | 7 |
| 5.7.1 | Maximum dimensions | 7 |
| 5.7.2 | Flange connection | 8 |
| 5.8 | Electrical resistance | 8 |
| 6 | Tests | 8 |
| 6.1 | General | 8 |
| 6.2 | Production tests | 8 |
| 6.2.1 | General | 8 |
| 6.2.2 | Internal seat tightness test | 9 |
| 6.2.3 | Operability test | 9 |
| 6.3 | Type test | 9 |
| 6.3.1 | General | 9 |
| 6.3.2 | Shell strength test | 10 |
| 6.3.3 | Shell tightness test | 10 |
| 6.3.4 | Internal seat tightness test | 10 |
| 6.3.5 | Mechanical endurance test | 10 |
| 7 | Marking | 11 |
| 8 | Installation, operating and maintenance instructions | 11 |
| Bibliography | | 12 |