

# Kitemark™ Certificate

This is to certify that:

Bryan Donkin Valves Limited  
Colliery Close  
Ireland Industrial Estate  
Staveley  
Chesterfield  
S43 3FH  
United Kingdom

Holds Certificate Number:

KM 518241

In respect of:

**GIS V7-1 and PP1547**  
**Distribution Valves Metal-bodied to 16 bar & construction valves to 7 bar**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2007-07-20

Latest Issue: 2023-12-06

Effective Date: 2023-12-06

Expiry Date: 2024-07-09



Page: 1 of 8

# Kitemark™ Certificate

No. KM 518241

## GIS V7-1:2007 Distribution valves Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar

| Product Description   | Size  | Pressure/Temperature Rating |
|---|---|-----------------------------|
| <b>Series 158/04 and 158/01</b><br>Construction Valve<br>PN16 flanged ends<br><br>Body: Cast Iron<br>Bonnet: Cast Iron<br>Door: Cast Iron | DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300 | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/100</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Cast Iron<br>Bonnet: Cast Iron<br>Wedge: Cast Iron                  | DN350<br>DN400<br>DN450<br>DN500<br>DN600         | 2 bar<br><br>-20°C to +60°C |
| <b>Series 555/101</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Cast Iron            | DN400<br>DN450<br>DN600                           | 2 bar<br><br>-20°C to +60°C |

First Issued: 2007-07-20  
Latest Issue: 2023-12-06

Effective Date: 2023-12-06  
Expiry Date: 2024-07-09

Page: 2 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.  
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A member of BSI Group of Companies.

# Kitemark™ Certificate

No. KM 518241

## GIS V7-1:2007 Distribution valves Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar

| Product Description  | Size  | Pressure/Temperature Rating |
|--|---|-----------------------------|
| <b>Series 555/200</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Cast Iron<br>Bonnet: Cast Iron<br>Wedge: Cast Iron   | DN50<br>DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300 | 7 bar<br>-20°C to +60°C     |
| <b>Series 555/103</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Cast Steel<br>Bonnet: Cast Steel<br>Wedge: Cast Iron | DN400<br>DN450<br>DN600                                   | 7 bar<br>-20°C to +60°C     |
| <b>Series 555/300</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Cast Iron<br>Bonnet: Cast Iron<br>Wedge: Cast Iron   | DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300         | 7 bar<br>-20°C to +60°C     |

First Issued: 2007-07-20  
Latest Issue: 2023-12-06

Effective Date: 2023-12-06  
Expiry Date: 2024-07-09

Page: 3 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.  
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

# Kitemark™ Certificate

No. KM 518241

## GIS V7-1:2007 Distribution valves Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar

| Product Description  | Size  | Pressure/Temperature Rating |
|--|---|-----------------------------|
| <b>Series 555/301 and 555/302</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron (555/301) / Cast Iron (555/302)<br>Wedge: Cast Iron | DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300         | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/411:</b><br>Gate Valve<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Cast Iron  | DN50<br>DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300 | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/401-001</b><br>Gate Valve<br>ASA 150 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Cast Iron                                      | DN50<br>DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300 | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/401-004</b><br>Gate Valve (high temperature resistant)<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Cast Iron            | DN50<br>DN80<br>DN100<br>DN150                            | 7 bar<br><br>-20°C to +60°C |

First Issued: 2007-07-20

Latest Issue: 2023-12-06

Effective Date: 2023-12-06

Expiry Date: 2024-07-09

Page: 4 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.

To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

# Kitemark™ Certificate

No. KM 518241

## GIS V7-1:2007 Distribution valves Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar

| Product Description   | Size   | Pressure/Temperature Rating  |
|---|--|--|
| <p><b>Series 555/370</b><br/>Gate Valve<br/>PE ends</p> <p>Body: Cast Iron<br/>Bonnet: Cast Iron<br/>Wedge: Cast Iron</p> <p>(GIS V7-1 and GIS PL3)</p>       | <p>PE90 SDR11 (DN80)<br/>PE125 SDR11 (DN100)<br/>PE180 SDR11/17 (DN150)<br/>PE250 SDR11/17/21 (DN200)<br/>PE315 SDR11/17/21 (DN300)</p>                            | <p>PE80 90-125mm: 4 bar<br/>PE80 180-315mm: 2 or 4 bar<br/>PE100 90-180mm: 7 bar<br/>PE100 250-315mm: 2, 4 or 7 bar</p> <p>-20°C to +40°C</p> <p>SDR21: PE100 only</p> |
| <p><b>Series 555/371</b><br/>Gate Valve<br/>PE ends</p> <p>Body: Ductile Iron<br/>Bonnet: Ductile Iron<br/>Wedge: Cast Iron</p> <p>(GIS V7-1 and GIS PL3)</p> | <p>PE90 SDR11 (DN80)<br/>PE125 SDR11 (DN100)<br/>PE180 SDR11/17 (DN150)<br/>PE250 SDR11/17/21 (DN200)<br/>PE315 SDR11/17/21 (DN300)<br/>PE400 SDR11/17 (DN300)</p> | <p>PE80 90-125mm: 4 bar<br/>PE80 180-315mm: 2 or 4 bar<br/>PE100 90-180mm: 7 bar<br/>PE100 250-400mm: 2, 4 or 7bar</p> <p>-20°C to +40°C</p> <p>SDR21: PE100 only</p>  |
| <p><b>Series 555/173</b><br/>Gate Valve<br/>PE ends</p> <p>Body: Cast Steel<br/>Bonnet: Cast Steel<br/>Wedge: Cast Iron</p> <p>(GIS V7-1 and GIS PL3)</p>     | <p>PE400 SDR11 (DN400)</p> <p>Pipe tail lengths:<br/>Min 250mm / Max 1300mm<br/>Electrofusion only &lt;500mm</p>   | <p>PE100: 7bar</p> <p>-20°C to +40°C</p>   |

First Issued: 2007-07-20

Latest Issue: 2023-12-06

Effective Date: 2023-12-06

Expiry Date: 2024-07-09

Page: 5 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.

To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

# Kitemark™ Certificate

No. KM 518241

**GIS V7-1:2007 Distribution valves Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar**

**PP1547:2022 Controls and ancillaries for use with Hydrogen**

| Product Description   | Size  | Pressure/Temperature Rating |
|---|---|-----------------------------|
| <b>Series 555/305</b><br>Gate Valve (hydrogen compatible)<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Ductile Iron<br><br>(GIS V7-1 and PP1547)                                    | DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300         | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/415</b><br>Gate Valve (hydrogen compatible)<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Ductile Iron<br><br>(GIS V7-1 and PP1547)                                    | DN50<br>DN80<br>DN100<br>DN150<br>DN200                   | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/405-001</b><br>Gate Valve (hydrogen compatible)<br>ASA 150 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Ductile Iron<br><br>(GIS V7-1 and PP1547)                             | DN50<br>DN80<br>DN100<br>DN150<br>DN200<br>DN250<br>DN300 | 7 bar<br><br>-20°C to +60°C |
| <b>Series 555/405-004</b><br>Gate Valve (hydrogen compatible and high temperature resistant)<br>PN16 flanged ends<br><br>Body: Ductile Iron<br>Bonnet: Ductile Iron<br>Wedge: Ductile Iron<br><br>(GIS V7-1 and PP1547) | DN50<br>DN80<br>DN100<br>DN150                            | 7 bar<br><br>-20°C to +60°C |

First Issued: 2007-07-20

Latest Issue: 2023-12-06

Effective Date: 2023-12-06

Expiry Date: 2024-07-09

Page: 6 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.

To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

# Kitemark™ Certificate

No. KM 518241

**GIS V7-1:2007 Distribution valves Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar**

**PP1547:2022 Controls and ancillaries for use with Hydrogen**

| Product Description  | Size   | Pressure/Temperature Rating  |
|--|--|--|
| <p><b>Series 555/103 and 555/303</b><br/>Gate Valve (hydrogen compatible)<br/>PN16 or ASA 150 flanged ends</p> <p>Body: Cast Steel<br/>Bonnet: Cast Steel<br/>Wedge: Ductile iron</p> <p>(GIS V7-1 and PP1547)</p> | <p>DN50<br/>DN80<br/>DN100<br/>DN150<br/>DN200<br/>DN250<br/>DN300</p>   | <p>PN16: 16 bar<br/>ASA 150: 19 bar<br/>Double block and bleed: 7 bar<br/>-20°C to +60°C</p>   |
| <p><b>Series 555/375</b><br/>Gate Valve (hydrogen compatible)<br/>PE ends</p> <p>Body: Ductile Iron<br/>Bonnet: Ductile Iron<br/>Wedge: Ductile Iron</p> <p>(GIS V7-1, PP1547 and GIS PL3)</p>                     | <p>PE90 SDR11 (DN80)<br/>PE125 SDR11 (DN100)<br/>PE180 SDR11/17 (DN150)<br/>PE250 SDR11/17/21 (DN200)<br/>PE315 SDR11/17/21 (DN300)<br/>PE400 SDR11/17 (DN300)</p> | <p>PE80 90-125mm: 4 bar<br/>PE80 180-315mm: 2 or 4 bar<br/>PE100 90-180mm: 7 bar<br/>PE100 250-400mm: 2, 4 or 7bar<br/>-20°C to +40°C</p> <p>SDR21: PE100 only</p> |
| <p><b>Series 555/373</b><br/>Gate Valve (hydrogen compatible)<br/>PE ends</p> <p>Body: Cast Steel<br/>Bonnet: Cast Steel<br/>Wedge: Ductile iron</p> <p>(GIS V7-1, PP1547 and GIS PL3)</p>                         | <p>PE250 SDR11 (DN200)<br/>PE315 SDR11 (DN250)</p> <p>Pipe tail lengths:<br/>Min 250mm / Max 1300mm<br/>Electrofusion only &lt;500mm</p>                           | <p>PE100: 7bar<br/>-20°C to +40°C</p>  |

First Issued: 2007-07-20

Latest Issue: 2023-12-06

Effective Date: 2023-12-06

Expiry Date: 2024-07-09

Page: 7 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.

To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

# Kitemark™ Certificate

No. KM 518241

## GIS PL3:2014 Self-anchoring mechanical fittings for natural gas and suitable manufactured gas

| Product Description   | Size   | Pressure/Temperature Rating   |
|---|--|---|
| <b>Series 451/70</b><br>Ductile Iron Ball Valve<br>Screwed or PE ends | 3/4" x 25mm PE SDR11<br>3/4" x 25mm PE SDR11<br>1" x 32mm PE SDR11<br>1" x 32mm PE SDR11<br>2" x 63mm PE SDR11<br>2" x 63mm PE SDR11 | PE80: 4 bar<br>PE100: 7 bar<br>PE80: 4 bar<br>PE100: 7 bar<br>PE80: 4 bar<br>PE100: 7 bar<br>-20°C to +40°C |
| <b>Series 451/73</b><br>Ductile Iron Ball Valve<br>PE ends            | 25mm PE SDR11<br>25mm PE SDR11<br>32mm PE SDR11<br>32mm PE SDR11<br>63mm PE SDR11<br>63mm PE SDR11                                   | PE80: 4 bar<br>PE100: 7 bar<br>PE80: 4 bar<br>PE100: 7 bar<br>PE80: 4 bar<br>PE100: 7 bar<br>-20°C to +40°C |
| <b>Series 455/74</b><br>Ductile Iron Ball Valve<br>Screwed or PE ends | 1" x 32mm PE SDR11<br>1" x 32mm PE SDR11<br>2" x 63mm PE SDR11<br>2" x 63mm PE SDR11   | PE80: 4 bar<br>PE100: 7 bar<br>PE80: 4 bar<br>PE100: 7 bar<br>-20°C to +40°C                                |
| <b>Series 219/31</b><br>Steel House Entry Tee<br>Screwed or PE ends   | 3/4" x 20mm PE SDR11<br>3/4" x 25mm PE SDR11<br>1" x 32mm PE SDR11<br>2" x 63mm PE SDR11   | PE80: 4 bar<br>-20°C to +40°C   |

Notes: For all flanged valves, EN 1092 PN16 flanges are standard. Some valves are available with optional ASA 150 flanges that are outside the scope of GIS V7-1 and are supplied to meet specific customer requirements.

This certificate supersedes that dated 12<sup>th</sup> May 2023 and covers new Series 555/405-001 and 555/405-004 high temperature resistant ranges.

First Issued: 2007-07-20  
Latest Issue: 2023-12-06

Effective Date: 2023-12-06  
Expiry Date: 2024-07-09

Page: 8 of 8

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.  
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A member of BSI Group of Companies.