

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: 2024-04-10

Effective Date: 2024-04-10

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Page: 1 of 8

Kitemark™ Certificate

No. KM 518241

GIS V7-1:2022 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
Series 158/04 and 158/01 Construction Valve PN16 flanged ends Body: Cast Iron Bonnet: Cast Iron Door: Cast Iron	DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/100 Gate Valve PN16 flanged ends Body: Cast Iron Bonnet: Cast Iron Wedge: Cast Iron	DN350 DN400 DN450 DN500 DN600 DN800	2 bar -20°C to +60°C
Series 555/101 Gate Valve PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Cast Iron	DN400 DN450 DN600	2 bar -20°C to +60°C

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Page: 2 of 8

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BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
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No. KM 518241

GIS V7-1:2022 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
Series 555/200 Gate Valve PN16 flanged ends Body: Cast Iron Bonnet: Cast Iron Wedge: Cast Iron	DN50 DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/103 Gate Valve PN16 flanged ends Body: Cast Steel Bonnet: Cast Steel Wedge: Cast Iron	DN400 DN450 DN600	7 bar -20°C to +60°C
Series 555/300 Gate Valve PN16 flanged ends Body: Cast Iron Bonnet: Cast Iron Wedge: Cast Iron	DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C

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Page: 3 of 8

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GIS V7-1:2022 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
Series 555/301 and 555/302 Gate Valve PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron (555/301) / Cast Iron (555/302) Wedge: Cast Iron	DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/411: Gate Valve PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Cast Iron	DN50 DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/401-001 Gate Valve ASA 150 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Cast Iron	DN50 DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/401-002/3/5 Gate Valve PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Cast Iron	DN50 DN80 DN100 DN150	7 bar -20°C to +60°C 555/401-002: PUR coating 555/401-003: Standard Black coating 555/401-004: Primer (customer to coat)
Series 555/401-004 Gate Valve (high temperature resistant) PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Cast Iron	DN50 DN80 DN100 DN150	7 bar -20°C to +60°C

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Page: 4 of 8

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GIS V7-1:2022 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>Series 555/370 Gate Valve PE ends Body: Cast Iron Bonnet: Cast Iron Wedge: Cast Iron (GIS V7-1 and GIS PL3)</p>	<p>PE90 SDR11 (DN80) PE125 SDR11 (DN100) PE180 SDR11/17 (DN150) PE250 SDR11/17/21 (DN200) PE315 SDR11/17/21 (DN300)</p>	<p>PE80 90-125mm: 4 bar PE80 180-315mm: 2 or 4 bar PE100 90-180mm: 7 bar PE100 250-315mm: 2, 4 or 7 bar -20°C to +40°C SDR21: PE100 only</p>
<p>Series 555/371 Gate Valve PE ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Cast Iron (GIS V7-1 and GIS PL3)</p>	<p>PE90 SDR11 (DN80) PE125 SDR11 (DN100) PE180 SDR11/17 (DN150) PE250 SDR11/17/21 (DN200) PE315 SDR11/17/21 (DN300) PE400 SDR11/17 (DN300)</p>	<p>PE80 90-125mm: 4 bar PE80 180-315mm: 2 or 4 bar PE100 90-180mm: 7 bar PE100 250-400mm: 2, 4 or 7bar -20°C to +40°C SDR21: PE100 only</p>
<p>Series 555/173 Gate Valve PE ends Body: Cast Steel Bonnet: Cast Steel Wedge: Cast Iron (GIS V7-1 and GIS PL3)</p>	<p>PE400 SDR11 (DN400) Pipe tail lengths: Min 250mm / Max 1300mm Electrofusion only <500mm</p>	<p>PE100: 7bar -20°C to +40°C</p>

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Page: 5 of 8

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GIS V7-1:2022 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
Series 555/305 Gate Valve (hydrogen compatible) PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Ductile Iron (GIS V7-1 and PP1547)	DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/415 Gate Valve (hydrogen compatible) PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Ductile Iron (GIS V7-1 and PP1547)	DN50 DN80 DN100 DN150 DN200	7 bar -20°C to +60°C
Series 555/405-001 Gate Valve (hydrogen compatible) ASA 150 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Ductile Iron (GIS V7-1 and PP1547)	DN50 DN80 DN100 DN150 DN200 DN250 DN300	7 bar -20°C to +60°C
Series 555/405-002/3/5 Gate Valve (hydrogen compatible) PN16 flanged ends Body: Ductile Iron Bonnet: Ductile Iron Wedge: Ductile Iron (GIS V7-1 and PP1547)	DN50 DN80 DN100 DN150	7 bar -20°C to +60°C 555/405-002: PUR coating 555/405-003: Standard Black coating 555/405-005: Primer (customer to coat)

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Page: 6 of 8

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GIS V7-1:2022 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>Series 555/405-004 Gate Valve (hydrogen compatible and high temperature resistant) PN16 flanged ends</p> <p>Body: Ductile Iron Bonnet: Ductile Iron Wedge: Ductile Iron</p> <p>(GIS V7-1 and PP1547)</p>	<p>DN50 DN80 DN100 DN150</p>	<p>7 bar -20°C to +60°C</p>
<p>Series 555/103 and 555/303 Gate Valve (hydrogen compatible) PN16 or ASA 150 flanged ends</p> <p>Body: Cast Steel Bonnet: Cast Steel Wedge: Ductile iron</p> <p>(GIS V7-1 and PP1547)</p>	<p>DN50 DN80 DN100 DN150 DN200 DN250 DN300</p>	<p>PN16: 16 bar ASA 150: 19 bar Double block and bleed: 7 bar -20°C to +60°C</p>
<p>Series 555/375 Gate Valve (hydrogen compatible) PE ends</p> <p>Body: Ductile Iron Bonnet: Ductile Iron Wedge: Ductile Iron</p> <p>(GIS V7-1, PP1547 and GIS PL3)</p>	<p>PE90 SDR11 (DN80) PE125 SDR11 (DN100) PE180 SDR11/17 (DN150) PE250 SDR11/17/21 (DN200) PE315 SDR11/17/21 (DN300) PE400 SDR11/17 (DN300)</p>	<p>PE80 90-125mm: 4 bar PE80 180-315mm: 2 or 4 bar PE100 90-180mm: 7 bar PE100 250-400mm: 2, 4 or 7bar -20°C to +40°C</p> <p>SDR21: PE100 only</p>
<p>Series 555/373 Gate Valve (hydrogen compatible) PE ends</p> <p>Body: Cast Steel Bonnet: Cast Steel Wedge: Ductile iron</p> <p>(GIS V7-1, PP1547 and GIS PL3)</p>	<p>PE250 SDR11 (DN200) PE315 SDR11 (DN250)</p> <p>Pipe tail lengths: Min 250mm / Max 1300mm Electrofusion only <500mm</p>	<p>PE100: 7bar -20°C to +40°C</p>

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Page: 7 of 8

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

Product Description	Size	Pressure/Temperature Rating
Series 451/70 Ductile Iron Ball Valve Screwed or PE ends	3/4" x 25mm PE SDR11 3/4" x 25mm PE SDR11 1" x 32mm PE SDR11 1" x 32mm PE SDR11 2" x 63mm PE SDR11 2" x 63mm PE SDR11	PE80: 4 bar PE100: 7 bar PE80: 4 bar PE100: 7 bar PE80: 4 bar PE100: 7 bar -20°C to +40°C
Series 451/73 Ductile Iron Ball Valve PE ends	25mm PE SDR11 25mm PE SDR11 32mm PE SDR11 32mm PE SDR11 63mm PE SDR11 63mm PE SDR11	PE80: 4 bar PE100: 7 bar PE80: 4 bar PE100: 7 bar PE80: 4 bar PE100: 7 bar -20°C to +40°C
Series 455/74 Ductile Iron Ball Valve Screwed or PE ends	1" x 32mm PE SDR11 1" x 32mm PE SDR11 2" x 63mm PE SDR11 2" x 63mm PE SDR11	PE80: 4 bar PE100: 7 bar PE80: 4 bar PE100: 7 bar -20°C to +40°C
Series 219/31 Steel House Entry Tee Screwed or PE ends	3/4" x 20mm PE SDR11 3/4" x 25mm PE SDR11 1" x 32mm PE SDR11 2" x 63mm PE SDR11	PE80: 4 bar -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 6th December 2023 and covers an update to the latest 2022 edition of GIS V7-1, the addition of a larger DN800 size in the Series 555/100, and alternative PN16 flanged variant of the existing Series 555/401-001 and 555/405-001 (DN50 to DN150).

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