

DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Safety valves DUCO ½" to 2"
(DN-15 to DN-50) |
| 2. Type | ½"K 0,5 - 10 bar
¾"K 0,5 - 10 bar
1" K 0,5 - 10 bar
1 ¼"K 0,5 - 10 bar
1 ½"K 0,5 - 10 bar
2"K 0,5 - 10 bar |
| 3. Intended use | For central heating only / max. 120°C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO EN-4126 TRD 721 |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

Signed for and on behalf of the manufacturer by:

Mr. A. A. (Ton) Katuin
Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Expansion valves DUCO 1/2" to 2"
(DN-15 to DN-50)
Expansion Flange valves 1 1/4" to 2 1/2"
(DN-32 to DN-65) |
| 2. Type | 1/2"KB 6 - 7 - 8 - 9 - 10 bar
3/4"KB 6 - 7 - 8 - 9 - 10 bar
1" KB 6 - 7 - 8 - 9 - 10 bar
1 1/4" KB 6 - 7 - 8 - 9 - 10 bar
1 1/2" KB 6 - 7 - 8 - 9 - 10 bar
2"KB 6 - 7 - 8 - 9 - 10 bar
KGFF-DN32 6 - 7 - 8 - 9 - 10 bar
KGFF-DN40 6 - 7 - 8 - 9 - 10 bar
KGFF-DN50 6 - 7 - 8 - 9 - 10 bar
KGFF-DN65 6 - 7 - 8 - 9 - 10 bar |
| 3. Intended use | For water expansion only / max. 95°C |
| 4. Name and address manufacturer | PenTec BV - Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO EN-1491 TRD 721 |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Safety valves DUCO 1/2" Solar
Safety valves DUCO 3/4" Solar |
| 2. Type | 1/2"K 3 - 4 - 6 - 8 and 10 bar
3/4"K 3 - 4 - 6 - 8 and 10 bar |
| 3. Intended use | For Solar systems only / max. 160°C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO EN-4126 TRD-721 |
10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4.

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|--|
| 1. Unique identification | Expansion valves DUCO 1/2" to 2"
(DN-15 to DN-50) |
| 2. Type | 1/2"KB 6 - 7 - 8 - 9 - 10 bar
3/4"KB 6 - 7 - 8 - 9 - 10 bar
1" KB 6 - 7 - 8 - 9 - 10 bar
1 1/4"KB 6 - 7 - 8 - 9 - 10 bar
1 1/2"KB 6 - 7 - 8 - 9 - 10 bar
2"K 6 - 7 - 8 - 9 - 10 bar |
| 3. Intended use | For domestic water only / max. 95 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO EN-1491 TRD 721 |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

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DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Safety Flanged valves DUCO
(DN-32 to DN-65) |
| 2. Type | DN-32 0,5 till 10 bar
DN-40 0,5 till 10 bar
DN-50 0,5 till 10 bar
DN-65 0,5 till 10 bar |
| 3. Intended use | For central heating only / max. 120 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO EN-4126 |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|--|
| 1. Unique identification | Expansion Flanged valves DUCO
(DN-32 to DN-65) |
| 2. Type | DN-32 6 - 7 - 8 - 9 - 10 bar
DN-40 6 - 7 - 8 - 9 - 10 bar
DN-50 6 - 7 - 8 - 9 - 10 bar
DN-65 6 - 7 - 8 - 9 - 10 bar |
| 3. Intended use | For domestic water only / max. 95 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO EN-1491 |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Expansion Groups (DN-15 + DN-20) |
| 2. Type | UBIC DN-15 6 - 7 - 8 - 9 - 10 bar
BFKR DN-15 6 - 7 - 8 - 9 - 10 bar
D-MIC 6 - 7 - 8 - 9 - 10 bar
UBIC DN-20 6 - 7 - 8 - 9 - 10 bar |
| 3. Intended use | For domestic water only / max. 95 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | NEN EN-1488
NEN EN-1491
TRD 721/100
EN-200:1989 (D-MIC)
Belgaqua |

10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4.

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Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Expansion vessel console
Red, gray, white and zinc plated |
| 2. Type | $\frac{1}{2} \times \frac{1}{2} - \frac{3}{4}$ "
$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} - \frac{3}{4}$ "
tested: Air-tight at 7 bar |
| 3. Intended use | For central heating water only, till 6 bar |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Pipe threads ISO EN-10226-1 (ISO 7/1) |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|--|
| 1. Unique identification | Mixing valves
(DN-15 and DN-20) |
| 2. Type | Mix 15C Mix 15C + check valve
T-Mix 15C + check valve
T-Mix 22C
T-Mix G 3/4"
Diverter 15C |
| 3. Intended use | For domestic water only / max. 95 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | - |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Central heating manifold
Steel zinc plated |
| 2. Type | M22
M24
¾" euro conus |
| 3. Intended use | For central heating water only, till 6 bar |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Pipe threads ISO EN-10226-1 (ISO 7/1)
tested: Air-tight at 7 bar |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Cascade manifold (steel zinc plated) |
| 2. Type | DN-25 G 1" 44 kW
DN-32 G 1½" 64 kW
DN-40 G 2 130 kW
DN-50 G 2½" 200 kW
DN-65 G 3 300 kW |
| 3. Intended use | For central heating water only, till 6 bar |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Pipe threads ISO EN-10226-1 (ISO 7/1)
tested: Air-tight at 7 bar |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|--|
| 1. Unique identification | Close-in-boiler sets |
| 2. Type | Close-in-boiler sets PenTec 6 - 8 - 10 bar
Close-in-boiler sets DUCO 6 - 8 - 10 bar |
| 3. Intended use | For domestic water only / max. 95 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.pentecbv.nl / www.duco.nl |
| 9. Declared performance | Expansion groups according to EN-1488
Pipe threads ISO EN-10226-1 (ISO 7/1)
ISO 228/1 (for connections)
tested: Air-tight at 6 - 10 bar |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Scandic expansion groups |
| 2. Type | VR - 15 6 - 7 - 8 - 9 - 10 bar
VR - 22 6 - 7 - 8 - 9 - 10 bar
VR - ¾" 6 - 7 - 8 - 9 - 10 bar
VR - 22 x ¾" 6 - 7 - 8 - 9 - 10 bar |
| 3. Intended use | For domestic water only / max. 95 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Pipe threads ISO EN-10226-1 (ISO 7/1)
ISO 228/1 (for connections)
tested: Air-tight at 6 - 10 bar |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|--|
| 1. Unique identification | Fittings - couplings - compression sets |
| 2. Type | R 1/2"
M22
M24
R 3/4"
3/4" Euroconus
15 mm compression sets
22 mm compression sets |
| 3. Intended use | For domestic water (max. 95 °C) and for central heating water |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Long temperatur; 100°C at 4 bar
Short temperatur; 120°C at 4 bar
Pipe threads ISO EN-10226-1 (ISO 7/1)
ISO 228/1 (for connections)
tested: Air-tight at 6 - 10 bar |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|--|
| 1. Unique identification | Radiator connectors |
| 2. Type | ½" 1 en 2-pijps inregel- en afsluitbaar
M22 1 en 2-pijps inregel- en afsluitbaar
M24 1 en 2-pijps inregel- en afsluitbaar
H-model 2-pijps inregel- en afsluitbaar |
| 3. Intended use | For central heating only |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Long temperatur; 100°C at 4 bar
Short temperatur; 120°C at 4 bar
ISO 228/1 (for connections)
tested: Air-tight at 6 - 10 bar |

10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4.

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Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | SU (service unit)
Expansion vessel connector |
| 2. Type | SU 3/4" PenTec
SU 3/4" DUCO + drain
SU 1" DUCO + fill and drain valve |
| 3. Intended use | For central heating water only, till 4 bar
max. 120 °C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | Pipe threads ISO EN-10226-1 (ISO 7/1)
ISO 228/1 (for connections)
air-tight at 10 bar at 20°C |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

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DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Pressure differential valve |
| 2. Type | DUV (2x 22C) 0,2 - 0,5 bar
DUV (22C x 22 pijp) 0,2 - 0,5 bar
¾" DPV 0,2 - 0,5 bar |
| 3. Intended use | For central heating water only, till 4 bar max. 120°C |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0620 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO 228/1 (for connections)
air-tight at 10 bar at 20°C |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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Director

Woerden 01-10-2015



DECLARATION OF PERFORMANCE



- | | |
|--|---|
| 1. Unique identification | Central heating manifillers |
| 2. Type | WIVAK
WIVAKO
WIVAKOM
UKAM |
| 3. Intended use | For central heating water only, till 4 bar |
| 4. Name and address manufacturer | PenTec BV
Edisonweg 7 - 3442 AC Woerden
The Netherlands |
| 5. Name and address representative | - |
| 6. System of assessment and verification of constancy of performance | ISO 9001/2008 |
| 7. Activity NOBO. + Identification nr. | KIWA 0476 |
| 8. European technical assessment | www.duco.nl / www.pentecbv.nl |
| 9. Declared performance | ISO 228/1 (for connections)
air-tight at 10 bar at 20°C |
| 10. The performance of these products is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified at point 4. | |

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