



Product certificate K91487/05

Issued 2024-03-01

Replaces K91487/04

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Expansion valves

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

PenTec Snelrewaard B.V.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K630 "Expansion groups and expansion valve", dated 01-12-2018

Which covers the requirements of

NEN-EN 1491: 2000 "Building valves - Expansion valves - Tests and requirements"

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

CERTIFICATE

287180711

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Expansion valves

PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

	Artikelcode PenTec		druk	Omschrijving	Type
1	1060-0-16-11	6	bar	1/2"KEB DUCO (75kW)	6
2	1060-0-17-11	7	bar	1/2"KEB DUCO (75kW)	6
3	1060-0-18-11	8	bar	1/2"KEB DUCO (75kW)	6
4	1060-0-19-11	9	bar	1/2"KEB DUCO (75kW)	6
5	1060-0-20-11	10	bar	1/2"KEB DUCO (75kW)	6
6	1060-0-26-11	6	bar	1/2"KEB+PTFE DUCO (75kW)	6
7	1060-0-27-11	7	bar	1/2"KEB+PTFE DUCO (75kW)	6
8	1060-0-28-11	8	bar	1/2"KEB+PTFE DUCO (75kW)	6
9	1060-0-29-11	9	bar	1/2"KEB+PTFE DUCO (75kW)	6
10	1060-0-30-11	10	bar	1/2"KEB+PTFE DUCO (75kW)	6
11	1060-0-36-11	6	bar	1/2"KECB+PTFE DUCO (75kW)	6
12	1060-0-37-11	7	bar	1/2"KECB+PTFE DUCO (75kW)	6
13	1060-0-38-11	8	bar	1/2"KECB+PTFE DUCO (75kW)	6
14	1060-0-39-11	9	bar	1/2"KECB+PTFE DUCO (75kW)	6
15	1060-0-40-11	10	bar	1/2"KECB+PTFE DUCO (75kW)	6
16	1065-0-16-11	6	bar	1/2"KB DUCO (75kW)	6
17	1065-0-17-11	7	bar	1/2"KB DUCO (75kW)	6
18	1065-0-18-11	8	bar	1/2"KB DUCO (75kW)	6
19	1065-0-19-11	9	bar	1/2"KB DUCO (75kW)	6
20	1065-0-20-11	10	bar	1/2"KB DUCO (75kW)	6
21	1095-0-04-12	4	bar	1/2"x3/4"KB DUCO (75kW)	6
22	1095-0-06-12	6	bar	1/2"x3/4"KB DUCO (75kW)	6
23	1095-0-07-12	7	bar	1/2"x3/4"KB DUCO (75kW)	6
24	1095-0-08-12	8	bar	1/2"x3/4"KB DUCO (75kW)	6
25	1095-0-09-11	9	bar	1/2"x3/4"KB DUCO (75kW)	6
26	1095-0-10-12	10	bar	1/2"x3/4"KB DUCO (75kW)	6
27	1095-0-54-11	4	bar	1/2"x3/4"KEB DUCO (75kW)	6
28	1095-0-56-11	6	bar	1/2"x3/4"KEB DUCO (75kW)	6
29	1095-0-57-11	7	bar	1/2"x3/4"KEB DUCO (75kW)	6
30	1095-0-58-11	8	bar	1/2"x3/4"KEB DUCO (75kW)	6
31	1095-0-59-11	9	bar	1/2"x3/4"KEB DUCO (75kW)	6
32	1095-0-60-11	10	bar	1/2"x3/4"KEB DUCO (75kW)	6
33	1135-0-06-11	6	bar	3/4" KB DUCO (150kW)	6
34	1135-0-07-11	7	bar	3/4" KB DUCO (150kW)	6
35	1135-0-08-11	8	bar	3/4" KB DUCO (150kW)	6
36	1135-0-09-11	9	bar	3/4" KB DUCO (150kW)	6
37	1135-0-10-11	10	bar	3/4" KB DUCO (150kW)	6
38	1135-0-16-11	6	bar	3/4"x22 KCB DUCO (150kW)	6
39	1135-0-17-11	7	bar	3/4"x22 KCB DUCO (150kW)	6
40	1135-0-18-11	8	bar	3/4"x22 KCB DUCO (150kW)	6
41	1135-0-19-11	9	bar	3/4"x22 KCB DUCO (150kW)	6
42	1135-0-20-11	10	bar	3/4"x22 KCB DUCO (150kW)	6
43	1135-0-46-11	6	bar	3/4"x22 KECB DUCO (150kW)	6
44	1135-0-47-11	7	bar	3/4"x22 KECB DUCO (150kW)	6

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45	1135-0-48-11	8	bar	3/4"x22 KECEB DUCO (150kW)	6
46	1135-0-49-11	9	bar	3/4"x22 KECEB DUCO (150kW)	6
47	1135-0-50-11	10	bar	3/4"x22 KECEB DUCO (150kW)	6
48	1135-0-56-11	6	bar	3/4x1" KB DUCO (150kW)	6
49	1135-0-57-01	7	bar	3/4x1" KB DUCO (150kW)	6
50	1135-0-58-11	8	bar	3/4x1" KB DUCO (150kW)	6
51	1135-0-59-11	9	bar	3/4x1" KB DUCO (150kW)	6
52	1135-0-60-11	10	bar	3/4x1" KB DUCO (150kW)	6
	PenTec Code	Artikelcode	Tekening	Omschrijving	Type
1	1141-0-06-11	117.0060.301	11.100.412	1" X 1 1/4" KB 6 bar (250kW)	4
2	1141-0-07-11	117.0060.311	11.100.441	1" X 1 1/4" KB 7 bar (250kW)	4
3	1141-0-08-11	117.0060.321	11.100.422	1" X 1 1/4" KB 8 bar (250kW)	4
4	1141-0-09-11	117.0060.331	11.100.451	1" X 1 1/4" KB 9 bar (250kW)	4
5	1141-0-10-11	117.0060.341	11.100.432	1" X 1 1/4" KB 10 bar (250kW)	4
	PenTec Code	Artikelcode	Tekening	Omschrijving	Type
1	1146-0-06-11	117.0065.301	11.100.605	1 1/4" x 1 1/2" KB 6 bar DUCO (350kW)	5
2	1146-0-07-11	117.0065.311	11.100.635	1 1/4" x 1 1/2" KB 7 bar DUCO (350kW)	5
3	1146-0-08-11	117.0065.321	11.100.615	1 1/4" x 1 1/2" KB 8 bar DUCO (350kW)	5
4	1146-0-09-11	117.0065.331	11.100.645	1 1/4" x 1 1/2" KB 9 bar DUCO (350kW)	5
5	1146-0-10-11	117.0065.341	11.100.625	1 1/4" x 1 1/2" KB 10 bar DUCO(350kW)	5
6	1151-0-06-11	117.0070.001	11.030.603	1 1/2" x 2" KB 6 bar DUCO (600kW)	5
7	1151-0-07-11	117.0070.011	11.030.613	1 1/2" x 2" KB 7 bar DUCO (600kW)	5
8	1151-0-08-11	117.0070.021	11.030.624	1 1/2" x 2" KB 8 bar DUCO (600kW)	5
9	1151-0-09-11	117.0070.031	11.030.634	1 1/2" x 2" KB 9 bar DUCO (600kW)	5
10	1151-0-10-11	117.0070.041	11.030.644	1 1/2" x 2" KB 10 bar DUCO (600kW)	5
11	1156-0-06-11	117.0075.001	11.031.303	2" x 2 1/2" KB 6 bar DUCO (900kW)	5
12	1156-0-07-11	117.0075.011	11.031.313	2" x 2 1/2" KB 7 bar DUCO (900kW)	5
13	1156-0-08-11	117.0075.021	11.031.324	2" x 2 1/2" KB 8 bar DUCO (900kW)	5
14	1156-0-09-11	117.0075.031	11.031.333	2" x 2 1/2" KB 9 bar DUCO (900kW)	5
15	1156-0-10-11	117.0075.041	11.031.344	2" x 2 1/2" KB 10 bar DUCO (900kW)	5

Expansion valves

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The Kiwa®-mark products are marked with the word mark "KIWA .

Place of the mark: On the body.

Compulsory specifications:

- manufacturer's name or mark;
- nominal size DN;
- nominal set pressure P_{nr} ;
- arrow showing the direction of flow of the supply;
- markings for the various operating positions of the control elements;
- manufacture date (month and year) or code;
- model reference.

Method of marking:

- Non-erasable;
- visible after assembly.

APPLICATION AND USE

Expansion groups in nominal sizes DN 8 up to and including DN 100 are to be applied in drinking water installations with a upstream pressure of 1.000 kPa and a maximum water temperature of 90 °C (for hot water applications).

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- PenTec Snelrewaard B.V.
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.