

Type approval Certificate

for transportable pressure equipment

Number: 0200 - TPED - 04901en

issued by FORCE Certification A/S, Denmark - notified body number 0200

In accordance with the Danish executive order No. 685/2013, which in Denmark implements the Transportable Pressure Equipment Directive 2010/35/EU (TPED), a type approval certificate is issued to:

Manufacturer	Thanner A/S, Randersvej 8-10, 6700 Esbjerg
Transportable pressure equipment	Adaptor for valves for rescue applications, etc.
Type	CV DK 99 S
Drawings	99-066 rev A with more, see below
Maksimum working pressure p_w	300 bar
Hydraulic test pressure p_{vt}	360 bar
Maximum permitted total package mass	95 kg

For the design the manufacturer has used the standard DS/EN 17871.

Examinations have been carried out as stated below, and the results have been found to meet the relevant requirements of the TPED and the ADR2017.

- Assessment of the documentation regarding design and manufacture as shown on the drawings:

99-066 rev A	99-154 rev B	90-045 rev L	90-230 rev H
99-104 rev D	99-178 rev A	90-119 rev G	90-041 rev I

The drawings are enclosed provided with the stamp



- Tests of representative items in accordance with the requirements of DS/EN 17871 are made, incl.
 - o Burst test, cf. DS/EN ISO 10297 section 6.9
 - o Excessive torque test, cf. DS/EN ISO 10297 section 6.11
 - o Internal leak test, cf. DS/EN ISO 10297 section 6.12
 - o Impact test, cf. DS/EN ISO 10297 annex A

The adaptors shall be manufactured in accordance with the requirements of DS/EN ISO 14246.
This certificate is valid for 10 years from the date of issue.

Date of issue: 2018-09-12

Signature:



Poul Holmegaard
Examiner

118-23355

Type approval Certificate

for transportable pressure equipment

Number: 0200 - TPED - 04902en

issued by FORCE Certification A/S, Denmark - notified body number 0200

In accordance with the Danish executive order No. 685/2013, which in Denmark implements the Transportable Pressure Equipment Directive 2010/35/EU (TPED), a type approval certificate is issued to:

Manufacturer	Thanner A/S, Randersvej 8-10, 6700 Esbjerg
Transportable pressure equipment	Adaptor for valves for rescue applications, etc.
Type	CV DK 99 S
Drawings	99-118 rev D with more, see below
Maksimum working pressure p_w	300 bar
Hydraulic test pressure p_{vt}	360 bar
Maximum permitted total package mass	60 kg

For the design the manufacturer has used the standard DS/EN 17871.

Examinations have been carried out as stated below, and the results have been found to meet the relevant requirements of the TPED and the ADR2017.

- Assessment of the documentation regarding design and manufacture as shown on the drawings:
99-118 rev D 99-136 rev C 99-035 rev A
99-129 rev A 99-141 rev D

The drawings are enclosed provided with the stamp



- Tests of representative items in accordance with the requirements of DS/EN 17871 are made, incl.
 - Burst test, cf. DS/EN ISO 10297 section 6.9
 - Excessive torque test, cf. DS/EN ISO 10297 section 6.11
 - Internal leak test, cf. DS/EN ISO 10297 section 6.12
 - Impact test, cf. DS/EN ISO 10297 annex A

The adaptors shall be manufactured in accordance with the requirements of DS/EN ISO 14246.
This certificate is valid for 10 years from the date of issue.

Date of issue: 2018-09-12

Signature:



Poul Holmegaard

Examiner

118-23355

Type approval Certificate

for transportable pressure equipment

Number: 0200 - TPED - 04903en

issued by FORCE Certification A/S, Denmark - notified body number 0200

In accordance with the Danish executive order No. 685/2013, which in Denmark implements the Transportable Pressure Equipment Directive 2010/35/EU (TPED), a type approval certificate is issued to:

Manufacturer	Thanner A/S, Randersvej 8-10, 6700 Esbjerg
Transportable pressure equipment	Adaptor for valves for rescue applications, etc.
Type	CV DK 99 S
Drawings	90-046 rev J and 90-047
Maksimum working pressure p_w	300 bar
Hydraulic test pressure p_{vt}	360 bar
Maximum permitted total package mass	12 kg

For the design the manufacturer has used the standard DS/EN 17871.

Examinations have been carried out as stated below, and the results have been found to meet the relevant requirements of the TPED and the ADR2017.

- Assessment of the documentation regarding design and manufacture as shown on the drawings:
90-046 rev J
90-047

The drawings are enclosed provided with the stamp



- Tests of representative items in accordance with the requirements of DS/EN 17871 are made, incl.
 - Burst test, cf. DS/EN ISO 10297 section 6.9
 - Excessive torque test, cf. DS/EN ISO 10297 section 6.11
 - Internal leak test, cf. DS/EN ISO 10297 section 6.12
 - Impact test, cf. DS/EN ISO 10297 annex A

The adaptors shall be manufactured in accordance with the requirements of DS/EN ISO 14246.
This certificate is valid for 10 years from the date of issue.

Date of issue: 2018-09-12

Signature:



Poul Holmegaard

Examiner

118-23355

Type approval Certificate

for transportable pressure equipment

Number: 0200 - TPED - 04904en

issued by FORCE Certification A/S, Denmark - notified body number 0200

In accordance with the Danish executive order No. 685/2013, which in Denmark implements the Transportable Pressure Equipment Directive 2010/35/EU (TPED), a type approval certificate is issued to:

Manufacturer	Thanner A/S, Randersvej 8-10, 6700 Esbjerg
Transportable pressure equipment	Adaptor for valves for rescue applications, etc.
Type	CV DK 99 S
Drawings	90-328 rev C with more, see below
Maksimum working pressure p_w	300 bar
Hydraulic test pressure p_{vt}	360 bar
Maximum permitted total package mass	20 kg

For the design the manufacturer has used the standard DS/EN 17871.

Examinations have been carried out as stated below, and the results have been found to meet the relevant requirements of the TPED and the ADR2017.

- Assessment of the documentation regarding design and manufacture as shown on the drawings:

90-328 rev C	99-182 rev B	90-279 rev A
99-059 rev E	90-271 rev G	99-086 rev A



FORCE
Certification
Poul Holmegaard
-04904

The drawings are enclosed provided with the stamp

- Tests of representative items in accordance with the requirements of DS/EN 17871 are made, incl.
 - Burst test, cf. DS/EN ISO 10297 section 6.9
 - Excessive torque test, cf. DS/EN ISO 10297 section 6.11
 - Internal leak test, cf. DS/EN ISO 10297 section 6.12
 - Impact test, cf. DS/EN ISO 10297 annex A

The adaptors shall be manufactured in accordance with the requirements of DS/EN ISO 14246.
This certificate is valid for 10 years from the date of issue.

Date of issue: 2018-09-12

Signature:



Poul Holmegaard

Examiner

118-23355