

CERTIFICATE T&CPI

N° 170569

DATE: 16/11/2017

PACKAGING APPROVAL N°: **NL/ TCPI-Promens3-140531**

HOLDER UN-MARK: **Promens Deventer B.V.**
Zweedsestraat 10
7418 BG DEVENTER
The Netherlands

MANUFACTURER: **Promens Deventer B.V.**
Zweedsestraat 10
7418 BG DEVENTER
The Netherlands

T&CPI order number **T&CPI 17.063**

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J.A.G. van Crugten
Project manager



Maxence Wittebolle
General Manager

1. Description of the packaging

Composite IBC for liquids, with rigid plastics inner receptacle

UN packaging code:	31HH1
Method of construction:	Roto-moulding
Type identification:	VARIBOX 1000FC and 800FC, Full Containment
Material/grade	
- Inner receptacle	LLDPE Lupolen 3621 M RM or Total mPE M3581 UV
- Outer casing	LLDPE Lupolen 3621 M RM or Total mPE M3581 UV
- Lid	HDPE 160x7 S56x4
- Gasket in lid	EPDM or FKM
Method of construction:	Roto-moulding

	VARIBOX 1000FC	VARIBOX 800FC
Nominal capacity	1010 litres	835 litres
Nominal dimensions (l x d x h)	1200x1000x1325 mm	1200x1000x1160 mm
Nominal mass		
- complete	122 kg	113 kg
- inner receptacle	32 kg	29 kg

Openings at the top of the inner receptacle (optinal):
Extra features:

4 openings for extra features

- venting system Promens Combi-Vent
- aerating (airing) system Promens Vacuum-Relief-Vent
- suction tube with coupling: TriSure CDS, Colder DQPro, Micromatic (C)DV, Camlock or AS QC.
- level sensor electric switch on suction tube

2. Reference regulations

Sea transport:	IMDG Code, 2016
Road transport:	ADR,2017
Railway transport:	RID,2017

3. Reference reports

BVI report	T-14.013, dated May 8, 2014
TCPI assessment report:	T&CPI-14.028a, dated May 18, 2014 (selective test program)
BVI report	T-14.021, dated September 8, 2014
BVI report	T-14.030, dated November 4, 2014
TCPI assessment report:	T&CPI-15.030, dated June 16, 2015 (assessment 800L)
BVI report	IBC-15.059, dated April 20, 2016
BVI report	IBC-16.103, dated December 5, 2016
BVI report	T-16.022, dated December 21, 2016
TCPI assessment report:	T&CPI-17.063, dated July 26, 2017
TCPI assessment report:	T&CPI-17.064, dated July 26, 2017
BVI report	T-17.028, dated October 10, 2017

4. Contents to be transported

Packing group : II and III
Liquids :

To be assimilated to standard liquid (ADR/RID)	Maximum relative density Kg/l	Hydraulic test pressure kPa
water	1.9	110 kPa
Mixture of hydrocarbons	1.6	110 kPa
n-butyl acetate	1.6	110 kPa
Wetting agent	1.6	110 kPa
Acetic Acid 98%	1.6	110 kPa
Nitric Acid 55%	1.6	110 kPa
Original liquid	Maximum relative density	Hydraulic test pressure
Nitric Acid 62% ¹	1.4	110 kPa
Sopuroxid 15 ^{1,2}	1.2	100 kPa

¹The maximum period of use is restricted to 2 years for Sopuroxid 15.

²Only LLDPE Lupolen 3621 M RM is allowed for use for manufacturing for this content.

Stacking height during transport : 2 high (1 on 1)

5. UN-mark

T&C Packaging International as competent authority in The Netherlands has issued the following mark:

VARIBOX 1000FC**31HH1/Y/**--/NL/TCPI-PROMENS3-140531/3750/2028**

Capacity at 20°C : 1025 litres
Tare mass : 122 kg
Test pressure : 110 kPa
Date of the last leakproofness test : month and year
Date of the last inspection : month and year
Maximum permitted stacking load : 2080 kg

**--the month and the last two digits of the year in which the packaging was produced should be entered here.

The inner receptacle of the IBC must be marked as follows:

31HH1/Y/--/NL/TCPI-PROMENS3-140531**

**--the month and the last two digits of the year of production

or

31HH1/Y/NL/TCPI-PROMENS3-140531

in combination with a "month/year clock" adjacent to this mark

VARIBOX 800FC**31HH1/Y/**--/NL/TCPI-PROMENS3-140531/ 3060/1700**

Capacity at 20°C : 835 litres
Tare mass : 113 kg
Test pressure : 110 kPa
Date of the last leakproofness test : month and year
Date of the last inspection : month and year
Maximum permitted stacking load : 1700 kg

**--the month and the last two digits of the year in which the packaging was produced should be entered here.

The inner receptacle of the IBC must be marked as follows:

31HH1/Y/--/NL/TCPI-PROMENS3-140531 – 800L**

**--the month and the last two digits of the year of production

or

31HH1/Y/NL/TCPI-PROMENS3-140531 – 800L

in combination with a "month/year clock" adjacent to this mark

These marks can be used by the holder of the UN-mark, Promens Deventer B.V., Deventer, The Netherlands, to indicate that the packagings and inner receptacles produced meet the requirements.

6. Quality assurance

Manufacturing of packagings bearing this mark must be according to a quality assurance system as required by the competent authority in The Netherlands and laid down in the applicable Guideline.

7. Use of packagings

The use of packagings of the approved type for the transport of dangerous goods has been laid down in the regulations applicable in the mode of transport.

8. Validity

This approval replaces all approvals issued earlier.
The use of packagings, manufactured in a period in which a previous approval was valid, is allowed.



Ing. J.A.G. van Crugten
Project Manager



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