

TEXA	TEST REPORT	
	PROJECT	DESCRIPTION
	TEST TYPE	CODE
	Konfort 700	
	Contamination test with Konfort 780R	

EXECUTING AGENCY	TEST PERFORMED BY	START DATE	END DATE
Product certification		27/06/2013	27/06/2013
PART CODE	PART DESCRIPTION	TEST NRL.	

TEST DETAILS COMPARED TO THE TEST PROCEDURE

Material and tools used:

- Konfort model 780R serial number AKFAM200164
- 500g sample weight AAT-163 calibration certificate 137 S207/11
- 30 kg scale AAT 096
- 150 kg scale AAT 403
- 25 kg R134a refrigerant gas cylinder
- 5 Kg R1234 yf refrigerant gas cylinder
- Gas cylinder for extracting pure R134a refrigerant (*Sample 1 R134a pure*)
- Gas cylinder for extracting pure R1234 yf refrigerant (*Sample 2 R1234 yf pure*)
- Gas cylinder for extracting R134a refrigerant to be analysed (*Sample 3*)
- Gas cylinder for extracting R1234 yf refrigerant to be analysed (*Sample 4*)

Operating reference procedure:

- IOP050.600 K780 contamination test procedure.
- Test assistance by a TÜV Rheinland Italia inspector.
- Sample shipment to the analysis laboratory pH srl (*ACCREDITIA accreditation number 0069 ISO 17025:2005*)


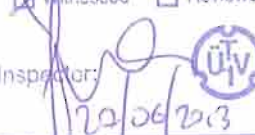
Refrigerant gas analysis based on the following parameters:

- Product identification and purity control through gas-chromatographic analysis
- Humidity level measurement
- Non-condensable gas analysis (air)
- Residual analysis
- Acidity

Method: AHRI Std 700-2006 App C Parts 1-2-3-5-6-7-8-9-10

Purpose of the test:

The purpose of the test is to evaluate the contamination level of the refrigerant in the two tanks of a Konfort 780R after a series of alternated recycles.

Witnessed Reviewed
 Inspector: 
22/06/2013
Engineer of TÜV Rheinland Industrie Service GmbH

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Test description:

- Scale measurement check 500g sample weight



- Extraction of pure gas samples and approval of the gas cylinders by the TÜV Rheinland Italia inspector:



Witnessed Reviewed
 Inspector: *[Signature]*
 27/06/2013
 TÜV Rheinland Industrie Service GmbH

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Withdrawn Reviewed
Inspector *[Signature]*
TUV
12/26/2013
TUV

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- Approval of the Konfort 780R tanks by the TÜV Rheinland Italia inspector:



- The Konfort K780R charging station was prepared by emptying the two tanks and creating vacuum throughout the entire system, tanks and compressor included, for 3 hours.



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> The test consists in carrying out, alternated:

- n° 10 recycles of 400 g of R134a refrigerant

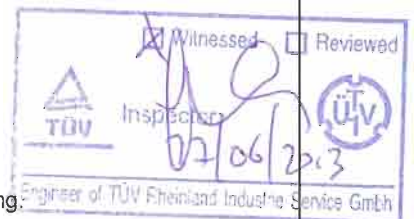


- n° 10 recycles of approximately 400 g of R1234yf refrigerant.



For a total of 20 recycles.

Before each recycle, the charging station automatically performs an internal cleaning.



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Konfort 780R display screenshots that represent the cycles that were carried out:



Witnessed Reviewed

 Inspector: *[Signature]*
 07/26/2015
 Engineer of TÜV Rheinland Industrie Service GmbH

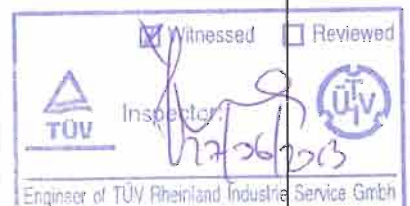
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➤ Detailed chart of the sequence of the recycles and of the actual amounts:

recycle	Quantity [g]	
	R134a	R1234yf
1	413	-
2	-	409
3	416	-
4	-	493
5	401	-
6	-	418
7	424	-
8	-	407
9	425	-
10	-	403
11	440	-
12	-	456
13	411	-
14	-	398
15	412	-
16	-	390
17	419	-
18	-	403
19	408	-
20	-	416

➤ Scale reset, R134a gas extraction from the Konfort K780R tanks



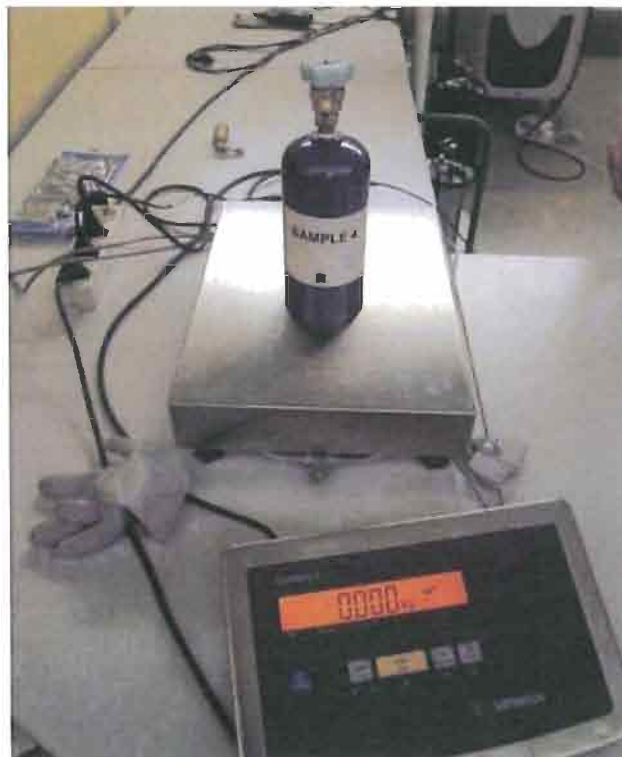
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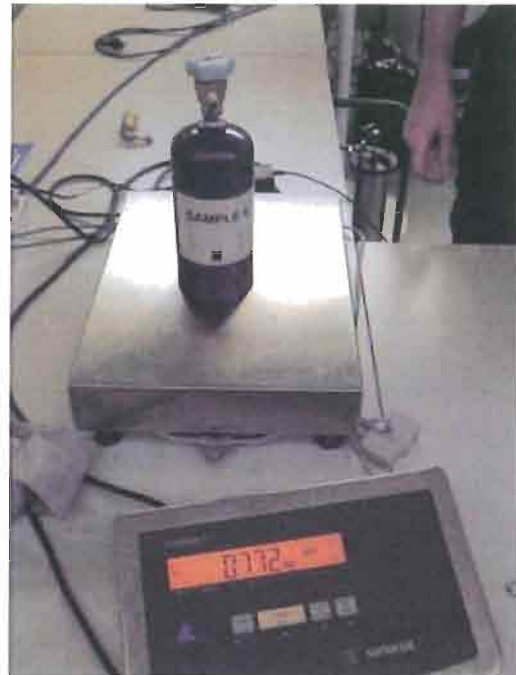
515 kg of R134a was extracted from Sample 3.

- Scale reset, R134 yf gas extraction from the Konfort K780R tanks



Witnessed Reviewed
 Inspector: *[Signature]* 
 17/06/2013
 Engineer of TÜV Rheinland Industrie Service GmbH

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772 kg of R1234 yf was extracted from Sample 3.

- Shipment of the samples to the pH srl laboratory for the contamination analysis



TEST RESULT:

- POSITIVE
- ACCEPTED BY CONCESSION
- NEGATIVE



BEFORE REVIEWED PH S.r.l.

SIGNATURE	DATE
Mirko Magoga	23/07/2013

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