Operation and Service Manual for HERMetic Sampler GTN Chem

Portable Closed Sampling Device With closed liquid transfer



Note: before using the instrument please read this book.



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1. Recommendation for safe use

According to TSB_7031_E , Issue 3 of October 3, 2019

- 1. This Operation and Service Manual is a guide in order to help the user to operate the device safely and correctly.
- 2. Nevertheless the maker disclaims all responsibility and liability for damage resulting from the use of the equipment regardless of the cause of the damage.
- 3. The device may not be operated when damaged.
- 4. Before using the device, ensure the tank is not empty and the sampler / bottle fits with the sampling conditions (tank pressure, product, temperature...). Refer to device specifications.
- 5. This device is certified to penetrate into a "Zone 0" (explosible area) when connected to a valve. The opening of the valve may generate risk of flammable gas release or flame entrance. Ensure safety conditions are met before use.
- 6. Attention is drawn to the possible hazard due to electrostatic charges which may be present in the tank. This may happen in particular with static accumulator liquids, i.e. liquids which have low conductivity of 50 picoSiemens/metre (pS/m) or less.
- 7. It is very important that the instrument is grounded to the tank before the probe is introduced into the tank and remains grounded until after complete withdrawal from the tank.
 - 7.1. If the instrument is installed with the quick connect coupler, grounding is effected through the quick connect coupler and the mating nipple of the valve provided that these parts are kept clean and free from corrosion in order to guarantee electrical conductivity. If a grease is used for this purpose, it must be one which contains graphite.
 - 7.2. If the instrument is not connected to the mating deck valve, the instrument has to be also earthed by means of the grounding cable and clamp.
- 8. It is anticipated that the user will have specific operating methods laid down to ensure safety when using this type of apparatus. In this case the user's instructions shall be strictly observed.
- 9. In the absence of such instructions the following should be noted:
 - 9.1. If a metal sounding pipe is fitted beneath the deck valve or tank is inerted, then ullaging, etc. is permissible at any time with no restriction.
 - 9.2. If there is no sounding tube or tank is not inerted, the following precautions shall be taken:
 - 9.2.1. If the cargo is not a static accumulator liquid, i.e. its conductivity is more than 50 pS/m, then ullaging is permitted provided that the instrument is properly grounded and earthed before the probe is inserted into the tank and remains earthed until the probe has been removed from the tank.

- 9.2.2. If the cargo is a static accumulator liquid, i.e. its conductivity is less than 50 pS/m, then ullaging is permitted provided that:
 - 9.2.2.1. The instrument is properly grounded and earthed before the probe is inserted into the tank and remains earthed until the probe has been removed from the tank.
 - 9.2.2.2. The apparatus is not introduced into a tank until at least 30 minutes have elapsed after completion of any loading operation or stopping the injection of inert gas.
- 9.3. For further guidance refer to the latest edition of International Safety Guide for Oil Tankers and Terminals (ISGOTT), or consult the appropriate Legislative Authority for the installation.

10.Warning:

- 10.1. **Substitution or modification of components may impair safety.** Only use the device for the intended purpose as described in this manual. For maintenance, use genuine spare-parts exclusively. Non genuine spare-parts may impair safety of the device.
- 10.2. To prevent ignition hazard, avoid impact or friction of the device aluminum parts (where applicable).
- 10.3. Before installing the sampler on the gauging point check the proper operating of the crank handle. Ensure the locking finger of the crank handle is operated freely by its spring and is placed in a locking position. Check the seals, if they are in the correct position and if they are in good shape.
- 11. This product and his use is / may be related to international, national, local or company regulations or standards. It is the customer / user responsibility to ensure that the way to use the device complies with such applicable regulations or standards.
- 12. When the device is not in use while installed on the tank, the ball valve shall be closed.

2. General information

2.1 Shipment note

The following parts should be included in the shipment:

- 1 instrument;
- 1 Allen key 1.3 mm:
- 1 or more bottles as ordered;
- 1 Operation and Service Manual.

2.2 Initial inspection

Check the contents of the shipment for completeness and note whether any damage has occurred during transport. Carry out the "Initial test before installing the instrument" to verify the good functioning. If the contents are incomplete, or if there is damage, not use the device. A claim should be filled with the carrier immediately, and Enraf Tanksystem SA Sales or Service organization should be notified in order to facilitate the repair or replacement of the instrument.

2.3 <u>Documentation discrepancies</u>

The design of the instrument is subject to continuous development and improvement. Consequently, the instrument may incorporate minor changes in detail from the information contained in the manual.

2.4 <u>Warranty</u>

12 months after installation but max. 18 months after delivery ex works.

The Vendor undertakes to remedy any defect resulting from faulty design materials or workmanship. The Vendor's obligation is limited to the repair or replacement of such defective parts by his own plant or one of his authorized service stations. The Purchaser shall bear the cost and risk of transportation of parts defective and repaired parts supplied in replacement of such defective parts.

When returned to Enraf Tanksystem SA or any of its agreed Service Stations equipment must be contamination-free. If it is determined that the Purchasers equipment is contaminated, it will be returned to the Purchaser at the Purchasers expense. Contaminated equipment will not be repaired, replaced, or covered under any warranty until such time that the said equipment is decontaminated by the Purchaser.

The Purchaser shall notify by fax, telex or in writing of any defect immediately upon discovery, specifying the nature of the defect and/or the extend of the damage caused thereby.

Where no other conditions have been negotiated between the Vendor and the Purchaser "General Conditions 188" of United Nations shall apply.

This equipment has been certified as nonelectrical equipment for potentially explosive atmospheres for only those classes or categories of hazardous areas stated on the instrument label, bearing the mark of the applicable approval authority. No other usage is authorized.

Unauthorized repair or component replacement by non original spare parts by the Purchaser will void this guarantee and may impair the good functioning of the instrument.

In no event shall Enraf Tanksystem SA be liable for indirect, incidental or consequential loss or damage or failure of any kind connected with the use if its products or failure of its products to function or operate properly.

Enraf Tanksystem SA do not assume the indemnification for any accident or damage caused by the operation of its product and the warranty is limited to the replacement of parts or complete goods.

2.5 <u>Certification</u>



Enraf Tanksystem SA is an ISO 9001 certified company by Intertek and MED-D by Det Norske Veritas Certification GmbH.



The equipment has been approved as nonelectrical equipment for potentially explosive atmospheres by the following authorities :

ATEX

KEMA 06ATEX 0027 II 1 G Ex h IIB T6 Ga (Ta: -20 °C to +80 °C Tp: -20 °C to +80 °C)

IECEx

NL/DEK/ExTR18.0009 Ex h IIB T6 Ga (Ta: -20 °C to +80 °C Tp: -20 °C to +80 °C)

If you need a copy of any of this certificate please contact:

Enraf Tanksystem SA Rue de l'industrie 2 1630 Bulle, SWITZERLAND

Telephone	: +41-26-91 91 500
Telefax	: +41-26-91 91 505
Web site	: <u>www.tanksystem.com</u>
E-mail	: <u>tanksystem@honeywell.com</u>

2.6 Spare parts

Substitution of components may impact safety. Use only original spare parts.

When ordering spares identify the spare part by TS number and description. Refer to section "Drawings".

Some spares might be repairable; in this case send part to any authorized service center or to the factory.

In case of urgency replacement units can be available while stocks last.

2.7 Service and Repair

The customer should take care of the freight and customs clearance charges. If units are sent on "freight collect " the charges will be invoiced to the customer.

When returning units or parts for repair to the factory please fill out a service request form (see next page).

Traceability information are engraved on a plate fixed to the sampler. The serial number of the unit is as follows: SN followed by a 4 digits number.

When returned to Enraf Tanksystem SA equipment must be contamination-free. If it is determined that the customers equipment is contaminated, it will be returned to the customer at the customers expense. Contaminated equipment will not be repaired until such time that the customer decontaminates the said equipment.

Service Request Form

<u>Goal of this document:</u> To give to the service team all information for a safe, fast and economical handling of your service request.

Please fill it out and join this document with the goods to repair.

RMA* n°:		QN n° (lf			
Return Material Authorization		any): Quality Notification			
	e requested for any return at Enraf Tanks		land.		
Overall information:					
Customer name:		Phone n°:			
Email address:		Address:			
After repair, the de	vice must be sent back to the	same address	🗌 Yes / 🔲 No		
	If not, specify	y the address:			
Site / Vessel name n°:		IMO n°(If any):			
Product(s) Description					
Unit Serial Number:		Sensor Serial Number:			
Las	Last Liquid / Chemicals gauged:				
Please tick the applicable	le danger rating				
Purchase Order n° to s	specify on our invoice (if any):				
Demand clarification:	on & Repair				
	bration certificate (Extra costs Factory certificate / fore repair is Yes 1.		trology Office Certificate		
Short descripti	ion of the problem 2. 3.				
Other useful information	<u>i:</u>				
Goods must be shipped	to: See Service Station list	Please	attach this document with the goods to repair.		
50447/SGTN/1912	7		IERMetic Sampler GTN Chem		

3. Worldwide Service Stations network

COUNTRY	updated list can be found on our website <u>v</u> ADDRESS	TELEPHONE/FAX/E-MAIL
SWITZERLAND	ENRAF TANKSYSTEM SA 2, rue de l'Industrie CH-1630 BULLE	Tel : +41-26-91 91 500 Fax : +41-26-91 91 505 <u>Tanksystem@honeywell.com</u>
BRAZIL	TRIDENTE BRASIL Rua Jeronimo de Mendonça, 186 Guaxindiba - São Gonçalo – RJ - 24722-040	Tel : +55 21 2233 1489 services@tridente.com.br
CANADA	PYLON ATLANTIC A Div. Of Pylon Electronics Inc. 31 Trider Crescent., DARTMOUTH, N.S. B3B 1V6	Tel : +1-902-4683344 Fax : +1-902-4681203 <u>halifax_csr@pylonelectronics.com</u>
CHINA	HUA HAI EQUIPMENT & ENG. CO LTD Factory 7, Lane 1365, East Kang Qiao Road Kang Qiao Industrial Zone, Pu Dong SHANGHAI, P.C. 201315	Tel : +86-21-6863 9018 Fax : +86-21-6863 9019 <u>huahaish@huahaiee.com</u>
GERMANY	CHRISTIAN BINDEMANN GROUP OF COMPANIES GmbH & Co KG Gärtnerstrasse 81G D-25469 HALSTENBEK BEI HAMBURG	Tel : +49-40-57148252 Mob : + 49-1724513678 Fax : +49-40-57148271 <u>service@mkecb.com</u>
GREECE	SPANMARIN 86, Filonos Street, 2 nd Floor GR-185 36 PIRAEUS	Tel : +30-210-4294498 Fax : +30-210-4294495 <u>spanmarin@ath.forthnet.gr</u>
JAPAN	DAIWA HANBAI CORPORATION LTD 2-10-31, Mitejima, Nishiyodogawa-ku OSAKA 555-0012	Tel : +81-6-64714701 Fax : +81-6-64729008 <u>m-sales@daiwa-hanbai.jp</u>
KOREA	WORLD OCEAN CO., LTD Room 1403 (Busan Trade Center B/D) 11, Chungjang-daero, Jung-gu, BUSAN, 48939 KOREA	Tel : +82-51-462-2554 Fax : +82-51-462-0468 info@worldocean.co.kr
MEXICO	URBAN DEL GOLFO SA DE CV Julian Carrillo No. 709 Nte. COL. LOS MANGOS 89440 Cd. MADERO, Tamps, MEXICO	Tel : +52-833-2170190 Fax : +52-833-2170190 <u>urbansa@prodigy.net.mx</u>
NETHERLANDS & BELGIUM	B.V. TECHNISCH BUREAU UITTENBOGAART Nikkelstraat 7 NL-2984 AM RIDDERKERK	Tel : +31-88-368 00 00 Fax : +31-88-368 00 01 <u>info@tbu.nl</u>

The updated list can be found on our website <u>www.tanksystem.com</u>

COUNTRY	updated list can be found on our website	TELEPHONE/FAX/E-MAIL
PORTUGAL	OCEANCONTROLS – MARINE INSTRUMENTATION & ENGINEERING, Lda. Alameda Santa Marta Do Pinhal, n°12A 2855-576 – Corroios	Tel : +351-21-2533973 Mob:+351-966047474 +351-937907935 <u>info@oceancontrols.pt</u>
RUSSIA	NPP "GERDA" Vilisa Latsisa str. 17 Building 1 125480 MOSCOW	Tel : +7-495-7558845 Fax : +7-495-7558846 <u>info@gerda.ru</u>
SINGAPORE	HUBBELL INT'L (1976) PTE LTD 322 Thomson Road SINGAPORE 307665	Tel : +65-6-2557281 Tel : +65-6-2550464 Fax : +65-6-2532098 <u>hubbell@mbox2.singnet.com.sg</u>
SPAIN	E.N.I. Electronica y Neumatica Industrial, S.A. C/Jon Arrospide, 20 (Int.) 48014 BILBAO	Tel : +34-94-4746263 Fax : +34-94-4745868 <u>tecnica@eni.es</u>
SPAIN (Gibraltar)	CJ SERVICES STRAIT OF GIBRALTAR S.L. C/ Oceano Atlantico IT 2.8 Poligono Empresarial Las Marismas De Palmones, Cádiz, 11379 Spain	Tel : +34 634 540 870 info@cjservices.es
SWEDEN	INSTRUMENTKONTROLL Lars Petersson AB Varholmsgatan 1 414 74 GÖTEBORG	Tel : +46-31-240510 Tel : +46-31-240525 Fax : +46-31-243710 <u>Info@instrumentkontroll.se</u>
TURKEY	YEDI DENIZ MALZEME VE GUVENLIK Setustu, Izzetpasa Yok.1 TR 34427 Kabatas ISTANBUL	Tel : +90.212.251 64 10 / 3 lines Fax : +90.212.251 05 75 <u>servicestation@yedideniz.net</u> <u>dmgistanbul@yahoo.com</u>
UNITED ARAB EMIRATES	MARITRONICS TRADING L.L.C. P.O. Box 6488 Shed # 72, Jadaf Ship Docking Yard DUBAI MARITRONICS TRADING L.L.C. AI Sharia - 1, B-36, Ground Floor, B.O. Box 9476	Tel : +971-4-3247500 Fax :+971-4-3242500 marineservice.dubai@centena.com Tel : +971 9 2234909 Fax : +971 9 2234898 Mob : +971 50 5570854
UNITED KINGDOM	P.O. Box 9476 FUJAIRAH ENERGY MARINE (INTERNATIONAL) LTD. 12 Clipstone Brook Industrial Estate Cherrycourt Way LEIGHTON BUZZARD, BEDS, LU7 4TX	marineservice.dubai@centena.con Tel : +44-1525-851234 Fax :+44-1525-852345 info@engmar.com
U.S.A / TEXAS	HONEYWELL HERMETIC 4522 Center Street DEER PARK, TX 77536	Tel : +1-281-930 1777 Fax : +1-281-930 1222 Toll free call in the USA:1-800-900 1778 <u>hermetic@honeywell.com</u>

4. Description

4.1 <u>General</u>

The **HERMetic Samplers** are designed for closed sampling of liquids or chemicals, which present a Fire-, Health- or Air pollution Hazard. The gas tight construction of these units avoids a pressure release from the tank and exposure to fumes during operation.

The equipment is designed and certified for use in potentially explosive atmospheres area.

4.2 Sampling types

Several kinds of samples can be realised with this sampler. To get different samples, 4 bottles are available: Zone bottle, Spot bottle, Running bottle and Bottom bottle.

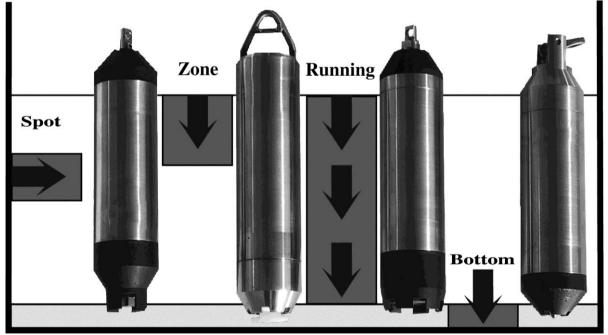
The Zone bottle allows sampling of the upper level inside the tank.

The Spot bottle allows sampling at a determinate hight.

The Running bottle allows sampling all along the displacement of the bottle inside the tank.

The Bottom bottle allows sampling of the tank bottom.

As far as the kinds of sampling are concerned, please refer to ISO 3170 "Petroleum liquids – Manual sampling".



Different kinds of samplings

All these bottle are interchangeable, please refer to § 6.1. For specific application, other bottles exist. For further information, please contact.

The sampler is delivered as standard with zone sampling bottle. All other sampling bottle are available as option.

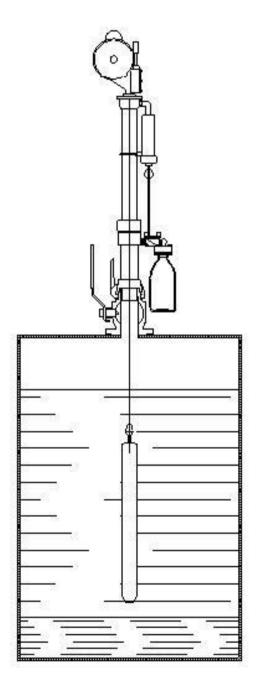
4.3 Sampling principle

4.3.1 Connection and grounding system

All HERMetic products are easy to connect. Indeed, all HERMetic devices are equipped with a quick coupler for connection on a HERMetic ball valve.

Place the unit on the appropriate valve and activate the locking system. Depending on the locking system, either rotate the collar and actuate the lever or pull on the sleeve.

If the instrument is connected to genuine HERMetic valve, grounding is effected through the quick connect coupler and the mating nipple of the valve. No additional grounding strap is necessary. For further information, please refer to §2 "Recommandation for safe use".



4.3.2 Sampling method

The sample is taken by a vertical move of the bottle inside the fluid.

The bottle is linked with a graduated tape. A reading window allows to monitor the bottle location.

For complete explanation of sampling procedures, please refer to §6 "Operation".

<u>Important note</u>: to avoid contamination of the sample taken by the sampler itself, check and clean the unit and the bottle prior to use. Clean the unit with an appropriate cleaner without impacting the unit or contamination risk of the next sample.

4.3.3 Liquid transfer

The transfer of the liquid from the sampling bottle to a laboratory bottle occurs by over pressuring the upper chamber of the sampler with a pump.

After sampling, the liquid can be transferred into a laboratory bottle by opening the transfer valve and actuating a circulation pump embedded with the sampler.

5. Operation

5.1 <u>Checking before use</u>

Before using the sampler :

- Check the good state of the device.
- Check the cleanliness of the unit (sampler and bottle) to prevent any contamination of the sample.
- Inspect the bottle tape end for breaks, kinks and wear. If there is some damage, replace the tape before use.
- Check of the attachment of the hook locking device on the tape.
- Check the closure of the hook locking device according to Fig. 1. The swivel hook has to be locked in use.

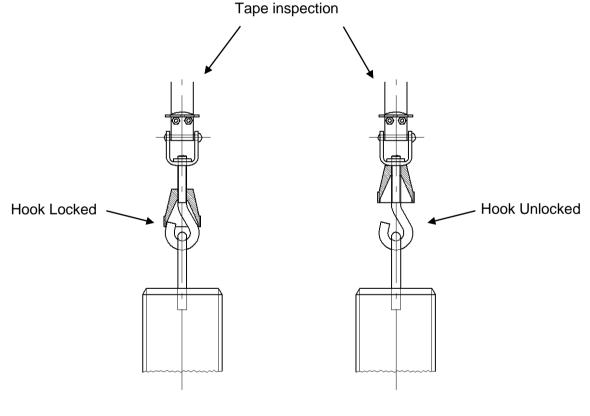


Fig. 1

Nota: Clean the instrument of any excess of liquid after use. Remove the carter winder and clean the storage tube. This cleaning must be done very properly, in particular when corrosive liquids are gauged, such as strong acids or caustic soda for instance.

Store the instrument in a dry location.

5.2 Operating the ZONE SAMPLING BOTTLE

	ND	TS	DESCRIPTION
	30293	10374	Zone bottle 0,43 I. FFKM assy

1. Install the HERMetic Sampler GTN Chem with the sampling bottle on top of the HERMetic 2" ball valve by means of the quick connect coupling.

In case the air which is inside the HERMetic Sampler housing can contaminate the sample it is recommended to purge the Sampler after it has been installed on the HERMetic 2" ball valve but <u>before</u> opening it.

- 1.1. Check that the HERMetic 2" ball valve is closed.
- 1.2. Open the transfer valve.
- 1.3. Install an external source of inert gas, using G 1/8" hole of carter winder. <u>The inert gas pressure</u> <u>shall not exceed 0.3 bar</u>.A "kit pump connector FFFM" TS 20611 ND 41021 can be ordered as an option, for this purpose.
- 1.4. Apply the inert gas to purge the HERMetic Sampler.
- 1.5. After purging close the transfer valve.
- Check that the capacity of the laboratory bottle is <u>at least 0.5 I</u>. Check that <u>the ptfe layer side of the</u> <u>septum looks inside the bottle</u>. Push up the laboratory bottle with its cap and a new septum in the bottle holder. <u>Do not rotate it during the installation</u>, <u>otherwise the needles and the septum could be damaged</u>.
- 3. Open the HERMetic 2" ball valve.
- 4. Lower the bottle at a speed of at least 0,5 m/sec. If the lowering speed is too low the liquid will not flow through the bottle as the resistance of the ball to flowing needs to be higher than the its weight to keep open the bottom of the container.
- 5. Stop the bottle at the level where the sample is to be taken.
- 6. Lift the bottle back into the HERMetic Sampler housing; turn the crank until getting a catch that keeps the tape fully tight.
- 7. Close the HERMetic 2" ball valve.
- 8. Lower the sampling bottle until sitting on the ball of the HERMetic 2" ball valve. This will open the valve of the sampling bottle.
- 9. Open the transfer valve.
- 10. Activate the pump to transfer the liquid from the sampling bottle to the laboratory bottle.
- 11. When the transfer is completed, close the transfer valve.
- 12. Open the HERMetic 2" ball valve **not more than 30**° to drain any residual liquid back into the tank.
- 13. After draining close the HERMetic 2" ball valve.
- 14. Lift the sampling bottle and lock the crank.
- 15. Pull down the laboratory bottle to disconnect it from the Sampler. <u>Do not rotate it during the removal,</u> <u>otherwise the needles and the septum could be damaged</u>.
- 16. Remove the HERMetic Sampler GTN Chem from the HERMetic 2" ball valve.

5.3 Operating the BOTTOM SAMPLING BOTTLE

	ND	TS	DESCRIPTION
0	20247	20132	Bottom bottle 0.40 I FFKM assy

1. Install the HERMetic Sampler GTN Chem with the sampling bottle on top of the HERMetic 2" ball valve by means of the quick connect coupling.

In case the air which is inside the HERMetic Sampler housing can contaminate the sample it is recommended to purge the Sampler after it has been installed on the HERMetic 2" ball valve but <u>before</u> opening it.

- 1.1. Check that the HERMetic 2" ball valve is closed.
- 1.2. Open the transfer valve.
- 1.3. Install an external source of inert gas, using G 1/8" hole of carter winder. <u>The inert gas pressure</u> <u>shall not exceed 0.3 bar</u>.A "kit pump connector FFFM" TS 20611 ND 41021 can be ordered as an option, for this purpose.
- 1.4. Apply the inert gas to purge the HERMetic Sampler.
- 1.5. After purging close the transfer valve.
- Check that the capacity of the laboratory bottle is <u>at least 0.5 I</u>. Check that <u>the ptfe layer side of the</u> <u>septum looks inside the bottle</u>. Push up the laboratory bottle with its cap and a new septum in the bottle holder. <u>Do not rotate it during the installation</u>, <u>otherwise the needles and the septum could be damaged</u>.
- 3. Open the HERMetic 2" ball valve.
- 4. Lower the bottom bottle to reach the tank bottom.
- 5. When the bottle bottom valve hits the tank bottom the bottle fills up automatically.
- 6. Lift the bottle back into the HERMetic Sampler housing; turn the crank until getting a catch that keeps the tape fully tight.
- 7. Close the HERMetic 2" ball valve.
- 8. Lower the sampling bottle until sitting on the ball of the HERMetic 2" ball valve. This will open the valve of the sampling bottle.
- 9. Open the transfer valve.
- 10. Activate the pump to transfer the liquid from the sampling bottle to the laboratory bottle.
- 11. When the transfer is completed, close the transfer valve.
- 12. Open the HERMetic 2" ball valve **not more than 30**° to drain any residual liquid back into the tank.
- 13. After draining close the HERMetic 2" ball valve.
- 14. Lift the sampling bottle and lock the crank.
- 15. Pull down the laboratory bottle to disconnect it from the Sampler. <u>Do not rotate it during the removal,</u> <u>otherwise the needles and the septum could be damaged</u>.
- 16. Remove the HERMetic Sampler GTN Chem from the HERMetic 2" ball valve.

5.4 Operating the SPOT SAMPLING BOTTLE

	ND	TS	DESCRIPTION
0	20253	20134	Spot bottle 0.40 I. FFKM

1. Install the HERMetic Sampler GTN Chem with the sampling bottle on top of the HERMetic 2" ball valve by means of the quick connect coupling.

In case the air which is inside the HERMetic Sampler housing can contaminate the sample it is recommended to purge the Sampler after it has been installed on the HERMetic 2" ball valve but <u>before</u> opening it.

- 1.1. Check that the HERMetic 2" ball valve is closed.
- 1.2. Open the transfer valve.
- 1.3. Install an external source of inert gas, using G 1/8" hole of carter winder. <u>The inert gas pressure</u> <u>shall not exceed 0.3 bar</u>.A "kit pump connector FFFM" TS 20611 ND 41021 can be ordered as an option, for this purpose.
- 1.4. Apply the inert gas to purge the HERMetic Sampler.
- 1.5. After purging close the transfer valve.
- Check that the capacity of the laboratory bottle is <u>at least 0.5 I</u>. Check that <u>the ptfe layer side of the</u> <u>septum looks inside the bottle</u>. Push up the laboratory bottle with its cap and a new septum in the bottle holder. <u>Do not rotate it during the installation</u>, otherwise the needles and the septum could be damaged.
- 3. Open the HERMetic 2" ball valve.
- 4. Lower the spot bottle to the level where the sample is to be taken.
- 5. Stop the bottle at this level and shake it rapidly up and down about 10 times on a 100 mm stroke. This movement has a pumping effect as the bottom ball of the container opens and closes quickly.
- 6. Lift the bottle back into the HERMetic Sampler housing; turn the crank until getting a catch that keeps the tape fully tight.
- 7. Close the HERMetic 2" ball valve.
- 8. Lower the sampling bottle until sitting on the ball of the HERMetic 2" ball valve. This will open the valve of the sampling bottle.
- 9. Open the transfer valve.
- 10. Activate the pump to transfer the liquid from the sampling bottle to the laboratory bottle.
- 11. When the transfer is completed, close the transfer valve.
- 12. Open the HERMetic 2" ball valve **not more than 30**° to drain any residual liquid back into the tank.
- 13. After draining close the HERMetic 2" ball valve.
- 14. Lift the sampling bottle and lock the crank.
- 15. Pull down the laboratory bottle to disconnect it from the Sampler. <u>Do not rotate it during the removal,</u> <u>otherwise the needles and the septum could be damaged</u>.
- 16. Remove the HERMetic Sampler GTN Chem from the HERMetic 2" ball valve.

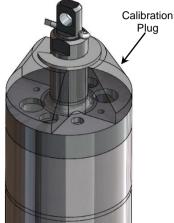
5.5 Operating the RUNNING SAMPLING BOTTLE

	ND	TS	DESCRIPTION
0	20216	20117	Running bottle 0.40 I. FFKM

- 1. The calibration plug on top of the running bottle has to be adjusted according to the liquid to be sampled. The plug is properly set up when the transferred quantity of liquid falls between 70 and 85% of the capacity of the sampling bottle, i.e. between 0.3 and 0.35 I (API MPMS Chapter 8.1, § 8.3.3.3).
- 2. Install the HERMetic Sampler GTN Chem with the sampling bottle on top of the HERMetic 2" ball valve by means of the quick connect coupling.

In case the air which is inside the HERMetic Sampler housing can contaminate the sample it is recommended to purge the Sampler after it has been installed on the HERMetic 2" ball valve but **before** opening it.

- 2.1. Check that the HERMetic 2" ball valve is closed.
- 2.2. Open the transfer valve.
- 2.3. Install an external source of inert gas, using G 1/8" hole of carter winder. <u>The inert gas pressure shall not exceed 0.3 bar</u>.A "kit pump connector FFFM" TS 20611 ND 41021 can be ordered as an option, for this purpose.
- 2.4. Apply the inert gas to purge the HERMetic Sampler.
- 2.5. After purging close the transfer valve.
- 3. Check that the capacity of the laboratory bottle is <u>at least 0.5 l</u>. Check that <u>the ptfe layer side of the septum looks inside the bottle</u>. Push up the laboratory bottle with its cap and a new septum in the bottle holder. <u>Do not rotate it during the installation, otherwise the needles and the septum could be damaged</u>.
- 4. Open the HERMetic 2" ball valve.
- 5. Lower the running bottle regularly to the appropriate depth but do not hit the tank bottom in order to keep the bottom plug closed all the time.
- 6. When the appropriate depth has been reached lift the running bottle back into the HERMetic Sampler GTN at the same regular speed. Turn the crank until getting a catch that keeps the tape fully tight.
- 7. Close the HERMetic 2" ball valve.
- 8. Lower the sampling bottle until sitting on the ball of the HERMetic 2" ball valve. This will open the valve of the sampling bottle.
- 9. Open the transfer valve.
- 10. Activate the pump to transfer the liquid from the sampling bottle to the laboratory bottle.
- 11. When the transfer is completed, check that the transferred liquid falls between the two marks 0.3 and 0.35 I in order to comply with API MPMS Chapter 8.1 requirements. Close the transfer valve.
- 12. Open the HERMetic 2" ball valve not more than 30° to drain any residual liquid back into the tank.
- 13. After draining close the HERMetic 2" ball valve.
- 14. Lift the sampling bottle and lock the crank.
- 15. Pull down the laboratory bottle to disconnect it from the Sampler. <u>Do not rotate it during the removal,</u> <u>otherwise the needles and the septum could be damaged</u>.
- 16. Remove the HERMetic Sampler GTN Chem from the HERMetic 2" ball valve.



6. Care & Maintenance

6.1 <u>Safety warning</u>

As this equipment has been certified as non-electrical equipment for potentially explosive atmospheres. Specific precautions have to be taken regarding maintenance of the device. The user can exchange parts and modules if following points are observed :

- 1. Never carry out any repair or trouble shooting in an hazardous area.
- 2. Substitution of components may impact safety. Use only original spare parts.
- 3. Work shall be done only by maintenance personel who has experience with equipment certified for use in potentially explosive atmosphere.

The design of the equipment is modular, i.e. in case of damage, check which modules or spare parts have to be replaced. Order new parts according to enclosed drawings and specific item number TS -----. The instrument consists of the following modules:

- Mechanical parts
- Tape assembly
- Tape cleaner

6.2 General Care & Considerations

Clean the instrument of any excess of liquid after use. Remove the carter winder and clean the storage tube. <u>This cleaning must be done very properly, in particular when corrosive liquids are sampled, such as strong acids or caustic soda for instance</u>.

Store the instrument in a dry location.

Check periodically whether the general state of the device is still OK.

Check periodically whether all the sealings are still OK. Check periodically the gas-tightness of the unit up to 0.3 bars with an appropriate leak detector.

Check the tape wiper for wear. If necessary tighten it with the hexagonal key 1.3 mm.

Clean periodically the sampling bottle. Check the valves of sampling bottles for liquid leakage.

Check periodically the tape for kinks.

Check periodically the bearings state. Bearings have limited life span.

Check periodically (at least every 6 months) the continuity of grounding by measuring the electrical resistance between the hook lock (or the sampling bottle) and the quick connect coupler. Resistance should not exceed 100 Ω .

6.3 Sampler cleaning

It is required to fit the cleanliness level with the sample goals.

Having friction between parts, metallic dust may be generated. Assess its potential impact on the sample taken. To limit it and ensure an easy winding/unwinding of the tape, consider the periodical maintenance operation of section 6.5 Winding action becoming stiff.

Where appropriate, dismantle the sampler and clean the parts with an appropriate cleaner to prevent any contamination of the sample by the sampler itself.

6.3.1 Carter winder

To clean the HERMetic Sampler GTN Chem, carter winder can be easily removed as well and sampling bottle detached from tape.

6.3.2 Tape cleaning

If tape requires cleaning it has to be unwound, preferably on another reel.

6.4 <u>Tape wiper adjustment or replacement</u>

Check the wear of the wiper. If necessary, adjust it or replace it.

- Unscrew the 2 wing screws to remove the carter winder.
- Dismantle the wiper holder by unscrewing the 2 screws.
- Remove the wiper of its box.
- Use the Allen key 1.3 mm to set the 2 wipers screws properly or exchange it.
- Put back the wiper holder and tighten the 2 screws.
- Reassemble the carter winder on the storage tube and tighten the 2 wing screws.

6.5 <u>Winding action becoming stiff</u>

If after repeated use the winding action is becoming slightly stiff apply the following simple process:

- The sampler hold horizontal, slacken the tape a few turns, typically 6 for a 30m tape,
- Gently shake the instrument to free up the tape within the tape housing,
- Wind the tape again.

6.6 <u>Tape replacement</u>

- Remove the carter winder from the sampler (2 screws M5x20);
- Remove the tape wiper;
- Unwind totally the old tape;
- Remove the cover for winder (5 screws M4x10 side opposite to crank);
- Unscrew the screw M4x30 tightening to the core and remove the tape;
- Pass the extremity of the new tape through the wiper;
- Fasten the tape to the core with screw M4x30;
- Wind the new tape;
- Put back the cover for winder and tighten the 5 screws M4x10;
- Put back and adjust the tape wiper;
- Put back the carter winder and tighten the 2 screws M5x20;
- Check the tape winder for gas tightness (0.3 bar, 4.4 psi) before using again.

6.7 <u>Bearings</u>

Bearings are involved in the electrical safety of this device. In case of exchange, use only original spare parts.

6.8 <u>Storage of HERMetic devices</u>

For a proper storage of HERMetic products (UTImeter, Sampler, Thermometer and related spare-parts...), we recommend:

- Clean the devices after use,
- Remove batteries for prolonged storage (electronic devices),
- Store batteries in a dry and cold location,
- Store the goods in a safe, dry and dust free location with an ambient temperature between +5°C to +45°C.

6.9 Transportation of HERMetic devices

For transportation of the device, always stretch out the tape to avoid any move of the bottle inside its storage tube.

6.10 <u>Recycling of HERMetic devices</u>

Equipment does not contain any dangerous materials inside which can harm the environment and people health during normal use or disposal. However the utilization and recycling of the equipment after the end of its life must be implemented by an authorized organization in accordance to local legislation.

Do not throw in rubbish but recycle wastes in accordance to environmental / local rules.



6.11 Installation & General care of HERMetic Valve

Refer to Recommendation for safe use, paragraph 2:

... grounding is effected through the quick connect coupler and the mating nipple of the valve provided that these parts are kept clean and free from corrosion in order to guarantee electrical conductivity. If a grease is used for this purpose, it must be one which contains graphite.

For a proper installation, please refer to the chosen sealing component manufacturer installation guide. In any case, tightening torque of valve fixing screws must not overtake 160 Nm (120 lbf.ft).

Inspect valves in regards to damage / marks / pollution preventing a proper connection and gastightness when connected with the HERMetic devices.

Ensure no damage impact the PTFE sealing of the ball valve.

Where appropriate, complete a leak test with a leak detector spray to confirm the valve tightness

7. Specifications

General Specifications

Tape length Tape graduation Tape resolution Tape accuracy	up to 35 m/115 ft Metric/English 1 mm / 1/16" ±6.3mm/35 m (±1/4"/115 ft approx.)	
Maximum tank pressure	Atmospheric pressure ±0.3 bar (4.4 psi)	
Liquid density	up to 8kg/dm ³	
Ambient temperature range Maximum liquid temperature	-20°C to 80 °C (-4°F to 176°F) 80°C (176°F)	
Mechanical coupling	Q2 (2")	
Weight	5.6 kg approx.	
Dimensions	801 x 118 mm approx.	
Meets ISO 3170 "Petroleum liquids – Manual sam	pling"	
Hazardous environments approvals		
ATEX	KEMA 06ATEX0027 II 1 G Ex h IIB T6 Ga (Ta: -20°C to +80°C Tp: -20°C to +80°C)	
IECEx	NL/DEK/ExTR18.0009 Ex h IIB T6 Ga (Ta: -20°C to +80°C Tp: -20°C to +80°C)	
Tape cleaning device	Adjustable tape cleaner	
Available bottles	Zone, bottom, spot, running sampling bottles	
	Zone, bottom, spot, running sampling bottles	

Specifications subject to change without notice.

8. Drawings & Declaration of Conformity

These documents are enclosed in following pages.

8.1 <u>Sampler</u>

O = Option.	according to	o specific order.
• - • • • • • • • • • • • • • • • • • •		

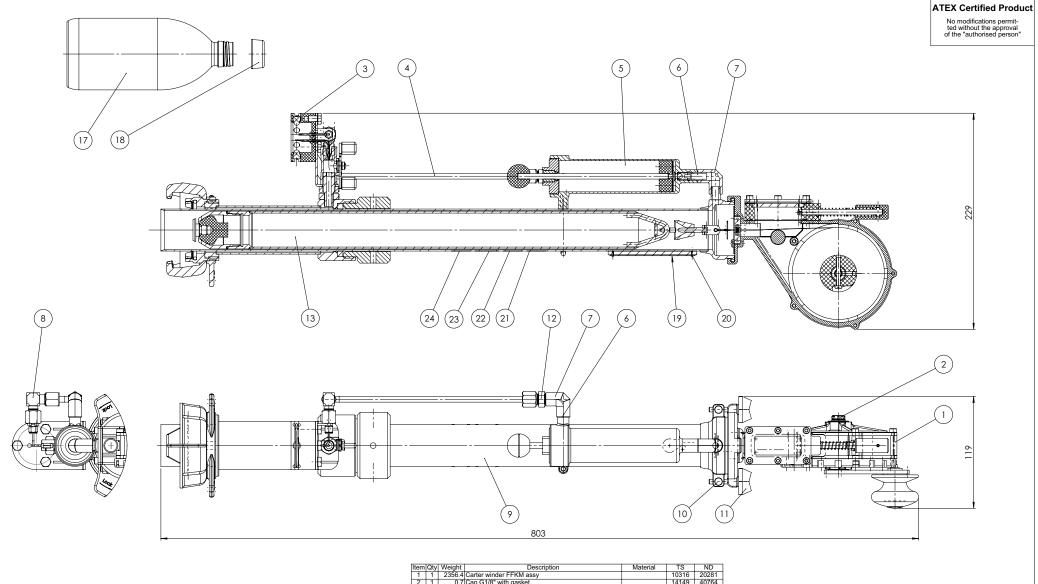
	ND	TS	DESCRIPTION
	20334	10087	Sampler GTN Chem assembly
0	* * * * *	* * * * *	Sampler GTN Chem 35 m assembly
	20281	10316	Carter winder FFKM assy
0	20330	98112A	Carter winder FFKM assy 35 m
	41021	20611	Kit pump connector FFKM
	30545	10314	Crank assy FFKM
	30237	10535	Wiper PTFE
	40796	10369	Tape assy w/o winder 30m
0	40803	10389	Tape assy w/o winder 35m
	30648	20175	Pump assy
	30630	10417	Valve & Bottle holder
	30293	10374	Zone bottle 0,43 I. FFKM assy
	41737	20193	Kit seat valve Zone bottle 0,43 I. FFKM assy
0	20247	20132	Bottom bottle 0.40 I FFKM assy
0	20253	20134	Spot bottle 0.40 I. FFKM
0	20216	20117	Running bottle 0.40 I. FKKM

8.2 <u>Valves</u>

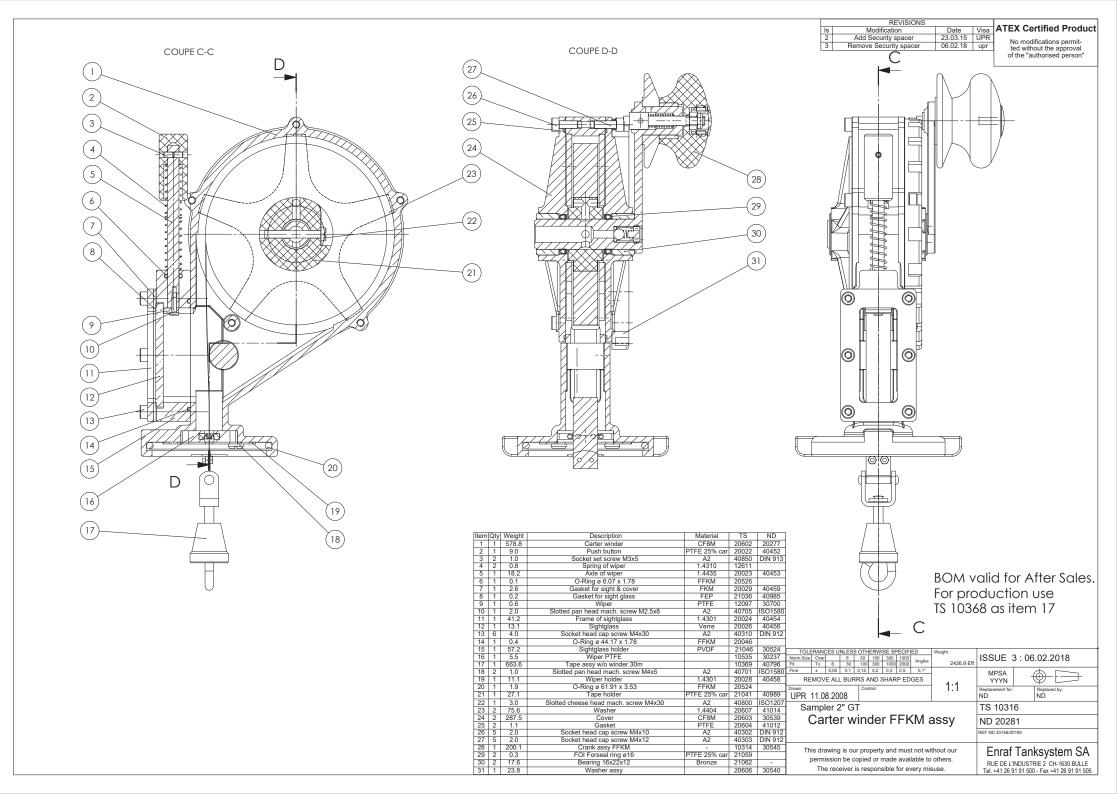
<u>Important</u>: Valves are supplied separately from Samplers. There are not included in Sampler scope of supply.

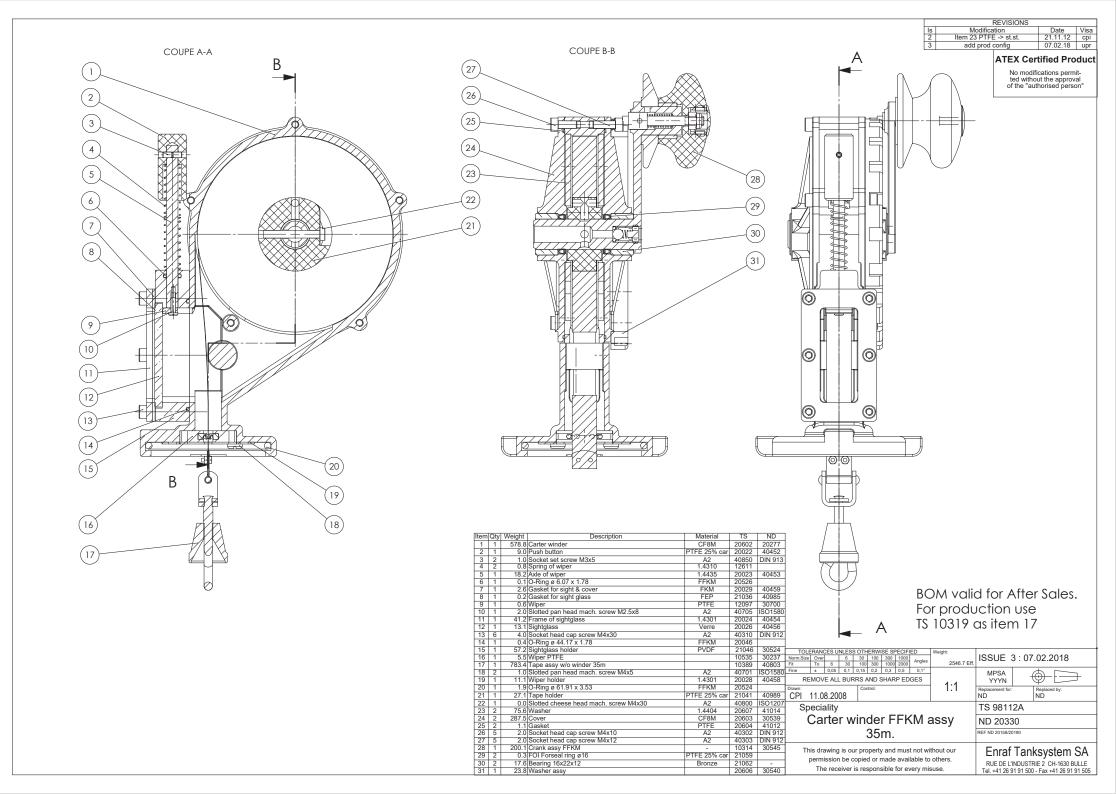
ND	TS	DESCRIPTION
20291	10083	Valve C2-SS-W, 2" flange DUJ, weather cap
20287	10082	Valve C2-SS-SEC, 2" flange DUJ, security cover
20288	10081	Valve C2-SS-BL, 2" flange DUJ, blind cover
30391	10076	Valve C2-SS-W, 2" female, weather cap
30374	10078	Valve C2-SS-SEC, 2" female, security cover
30596	10085	Valve C2-SS-BL G2" Female, blind cover

8.3 Declaration of conformity



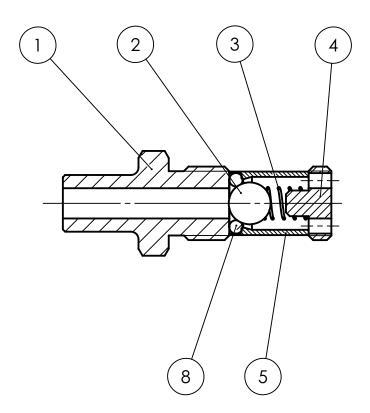
- xuy		Description	wateria	10		
1				10316		
1				14149		
1	1580.1	Valve & Bottle holder		10417	30630	
1			1.4404	20161	10250	
1						
2	3.5	Parallel nippel G1/8"		20150	41207	
2			1.4408	98111H		
1			1.4404	20166		TOLERANCES UNLESS OTHERWISE SPECIFIED Weight:
1	1949.0	Tube assy		20044		Norm.Size Over 6 30 100 300 1000 ISSUE 2 27 08 2008
2			A1	20605		Fit To 6 30 100 300 1000 2000 14503.3 Eff.
2				20609	41019	Fine ± 0,05 0,1 0,15 0,2 0,3 0,5 0,1° MPSA
1			1.4404	98111E		REMOVE ALL BURRS AND SHARP EDGES
1					30293	Drawn: Control: 1:2 Replacement for: Replaced by:
1						UPR 10.02.2009 ND ND
1						Sampler 2" GTN Chem TS 10087
1	6640.0	Carrying case S2GT	Wood	50338	30338	Sampler 2" GTN Chem TS 10087
1			Glass	20550	40849	Sampler GTN Chem ND 20334
1						•
1						Assembly
2			A2			
1						This drawing is our property and must not without our Enraf Tanksystem SA
1				50055		
1						RUE DE L'INDUS IRIE 2 CH-1630 BULLE
1	0.1	Sticker " Earth strap"	-	50072	41143	The receiver is responsible for every misuse. Tel. +41 26 91 91 500 - Fax +41 26 91 91 505
	1 1 1 1 1 2 2 1 1 1 2 2 1 1 1 1 1 1 1 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 2356.4 (Carter winder FFKM assy 1 0.7 (Cap G1/8* winh gasket 1 1580.1 (Valve & Bottle holder 1 1580.1 (Valve & Bottle holder 1 31.8 (Tube 66/4 1 504.8 (Pump assy 2 2.8 (Ebow 1/8*) 2 2.8 (Ebow 1/8*) 1 348.4 Male connector 6 elbow 1 1949.0 (Tube assy) 2 5.5 (Pivot 2 8.4 Wing screw 3 983.4 (Zone bottle 0.43). FFKM assy 1 983.4 (Zone bottle 0.43). FFKM assy 1 0.0 (Bacther PEBD 90x75 1 0.0 (Pacuping case S2G37) 1 6840.0 (Carrying case S2G37) 1 3.9 (Cap and septa 28mm. 1 14.4 (Identification plate TS 10087 SN-mnn	1 2356.4 Carter winder FFKM assy 1 0.7 Cap G1/8" wind pasket 1 1580.1 Valve & Bottle holder 1 1580.1 Valve & Bottle holder 1 31.8 Tube e6/4 1 504.8 Pump assy 2 3.5 Parallel nippel G1/8" 2 3.5 Parallel nippel G1/8" 2 3.5 Parallel nippel G1/8" 1 1949.0 Tube assy 2 5.5 Pivot 2 5.4 Rev Wing screw 1 28.3 Male connector 6 1 9.8 4 Wing screw 1 28.3 Male connector 6 1 0.0 Sachet PEBD 90x75 1 0.0 Hexagon key 1.3mm 1 0.0 Jachet PEBD 90x75 1 0.0 Hexagon key 1.3mm 1 29.2 cap and septa 28mm. 1 29.2 cap and septa 28mm. 1 3.9 Cap and septa 28mm. 1 0.1 Round head grooved pin 1.4x4 2 0.1 Round head grooved pin 1.4x4 2 0.1 Round head grooved pin 1.4x4 1 0.1 Label "Sampler"	1 2356.4 Carter winder FFKM assy 10316 1 0.7 Cap G1/8" wind pasket 14149 1 1580.1 Valve & Bottle holder 10416 1 1580.1 Valve & Bottle holder 10417 1 31.8 Tube e6/4 10417 1 504.8 Pump assy 20175 2 3.5 Parallel nippel G1/8" 20175 2 2.8 2 Elbow 1/8" 1.4404 98111H 1 38.8 Male connector 6 elbow 1.4404 20160 2 2.5 Pivot A1 20660 2 8.4 Wing screw 20604 20660 1 983.4 Zone bottle 0.431. FFKM assy 10374 10374 1 0.0 Sachet PEBD 90x75 50335 50335 1 0.0 Hexagon key 1.3mm Steel 50350 1 3.9 Cap and septa 28mm. 20560 20542 1 4.4 Identification plate TS 10087 SN-nnnn 1.4301 50990 2 0.1 Round head grooved pin 1.4x4 A2 40760 1 0.1 Label "Sampler"	1 2365.4 (Carter winder FFKM assy 10316 20281 1 0.7 (Zap G1/8" wind pasket 14149 40764 1 1580.1 [Vaive & Bottle holder 10417 30630 1 31.8 [Tube e6/4 10417 30630 504.8 [Pump assy 20175 30648 2 3.5 [Parallel nippel G1/8" 20150 41207 2.8.2 [Ebow 1/8" 1.4404 20160 20175 2.8.2 [Ebow 1/8" 1.4404 20166 20050 1 1949.0 [Tube assy 20050 41013 2.8.3 [Male connector 6 elbow 1.4404 20166 20050 1 943.3 [Male connector 6 1.4404 98111E 30233 1 0.0 [Acarying case S2GT 20060 41013 30233 1 0.0 [Hexagon key 1.3mm Steel 50350 IS02936 1 3.9 (Zap and septa 28mm. 20550 40045 40384 1.9 (2.9 and septa 28mm. 20550 40849 40760 D111476 2.9 (Zap and septa 28mm.



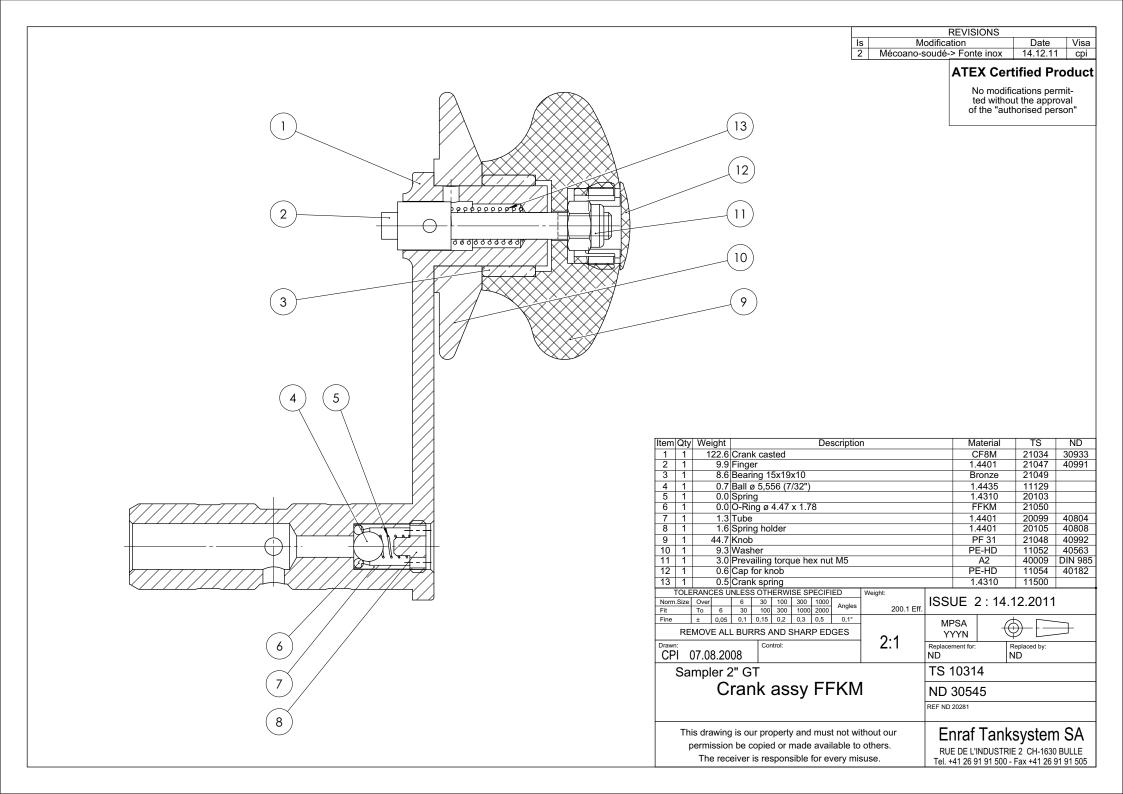


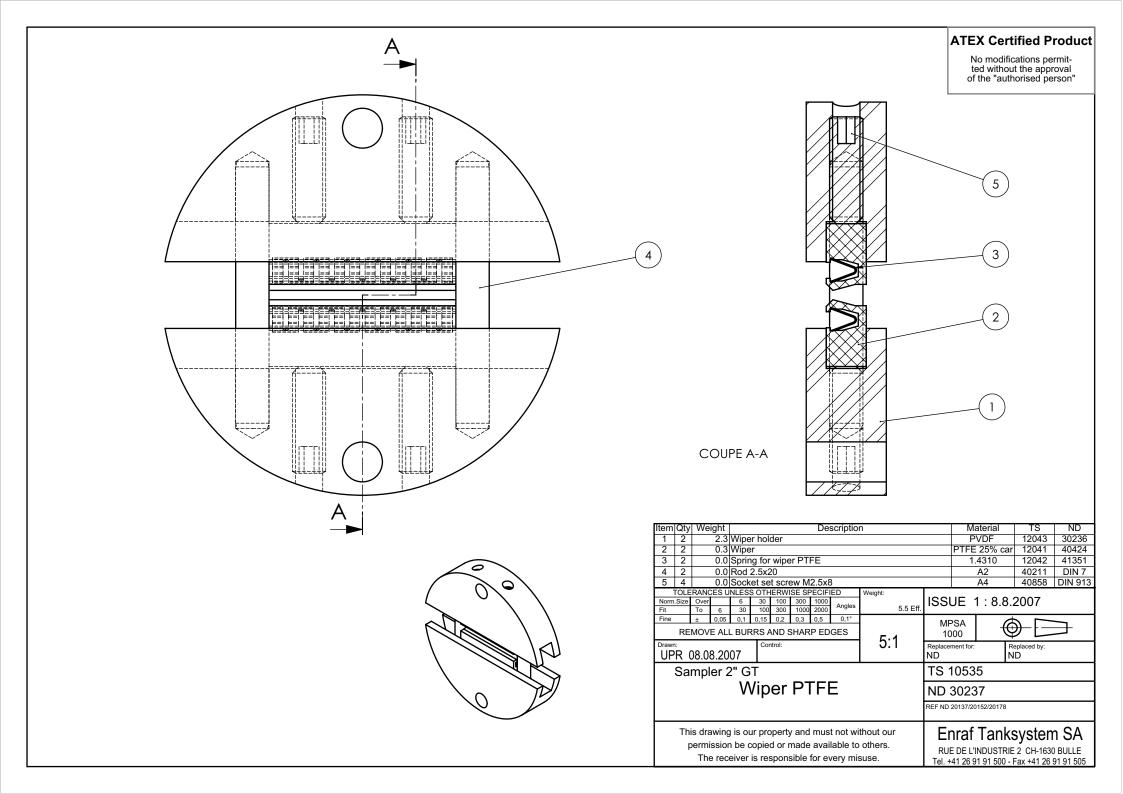
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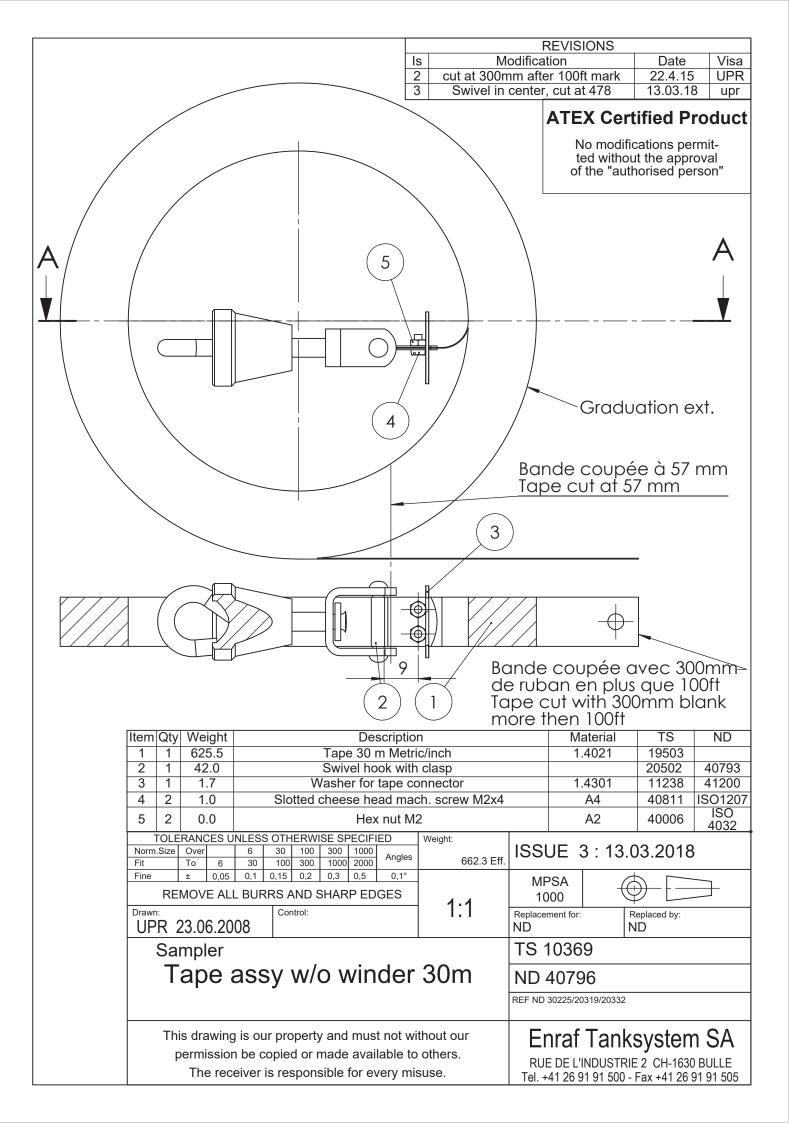
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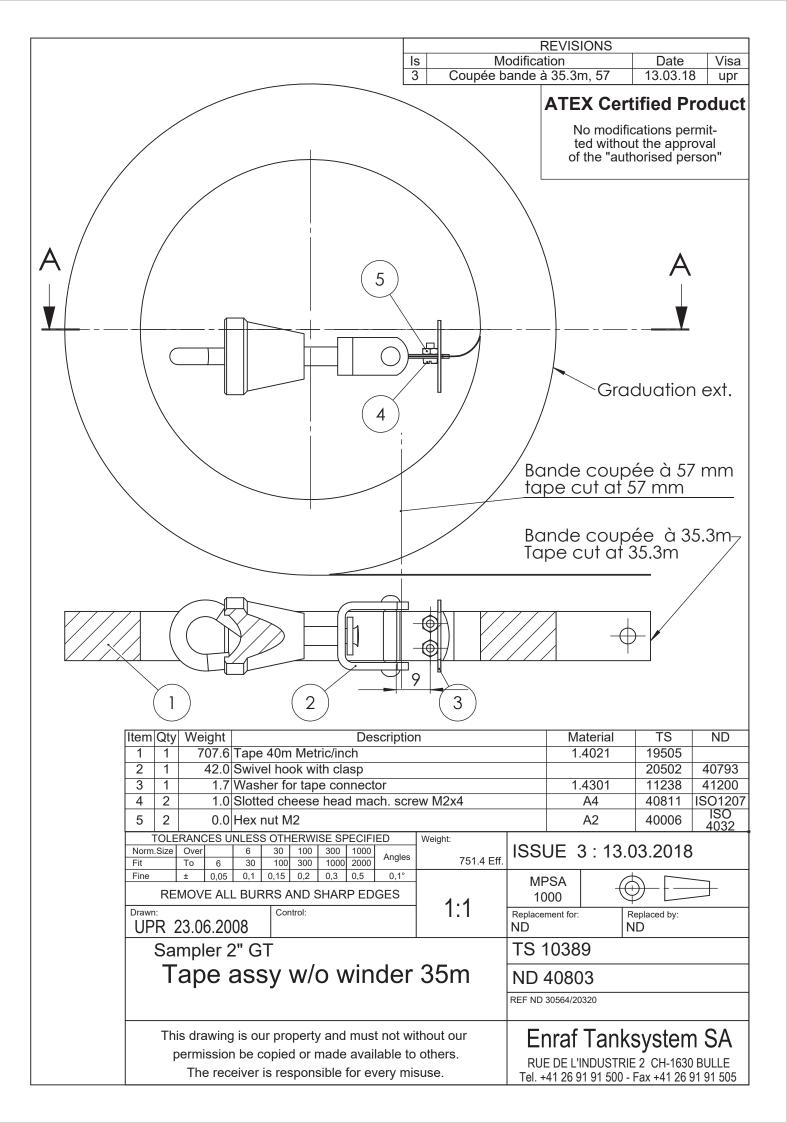


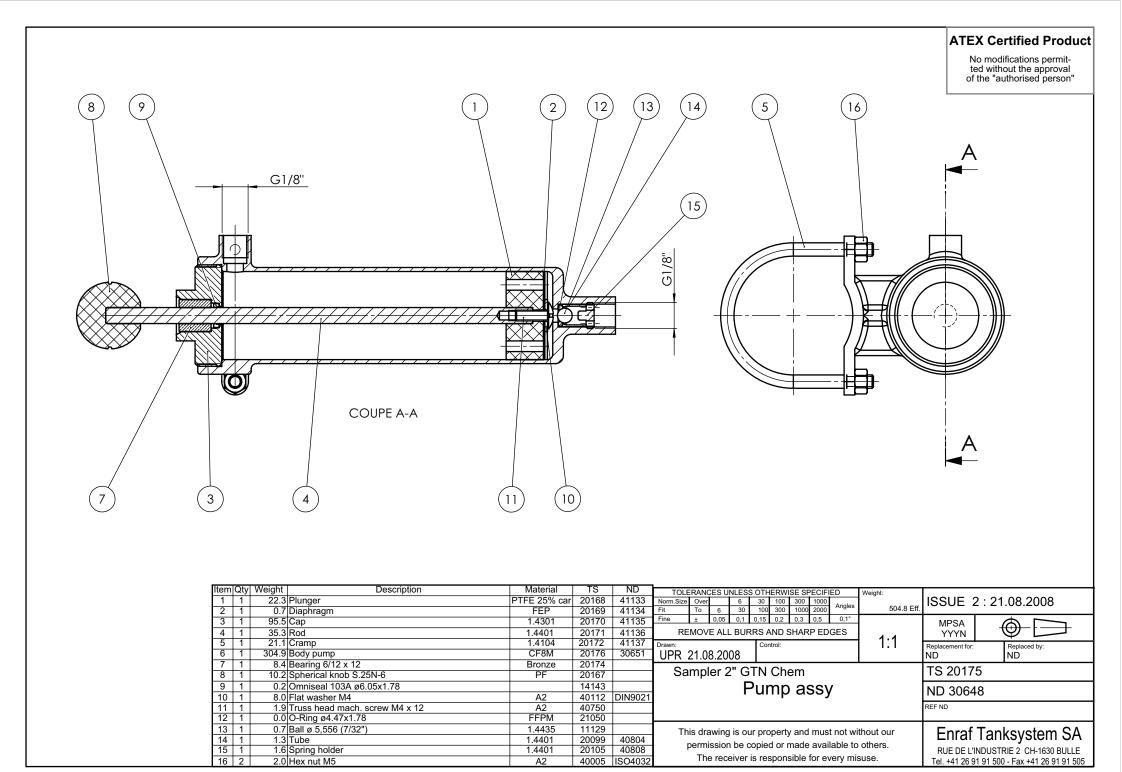
Item	Item Qty Weight Description							M	aterial	TS	ND				
1	1	g).7 Ch	Check valve seat							1.	4401	20100	40805	
2	1).7 Ba			56 (7	/32")						.4435	11129	
3	1).0 Sp									1.	.4310	20103	
4	1		.6 Sp		hole	der						1.	4401	20105	40808
5	1		.3 Tu										4401	20099	40804
8	1	0	0.0 0-	Ring	ן ø4	.47x	1.78					F	FPM	21050	
7	1	6	5.0 Sa	che	t PE	BD	90x7	5						50335	
		RANCE			-				IED	Weight:			4 40		
Norm Fit	.Size	Over To	6 3	6 80	30 100	100 300	300 1000	1000 2000	Angles	13.4 Eff.	ISSI	JE	1:12.	8.2008	
Fine		± 0,	05 0	,1 (0,15	0,2	0,3	0,5	0,1°		ME	PSA			_
	RE	MOVE	ALL B	URF	۲S A	ND S	SHAF	RP ED	GES	0.1		YYN)	チヒ	
Drawr UP		12.08.	2008		Cont	trol:				2:1	Replace ND	ment for:		Replaced by: ND	
		mple									TS 20611				
	K	(it p	um	р	C	on	ne	cto	or F	FKM	ND 41021				
								REF ND	20158						
	This drawing is our property and must not without our permission be copied or made available to others. The receiver is responsible for every misuse.							RUE	E DE L'	INDUSTRI	E 2 CH-1630	BULLE			

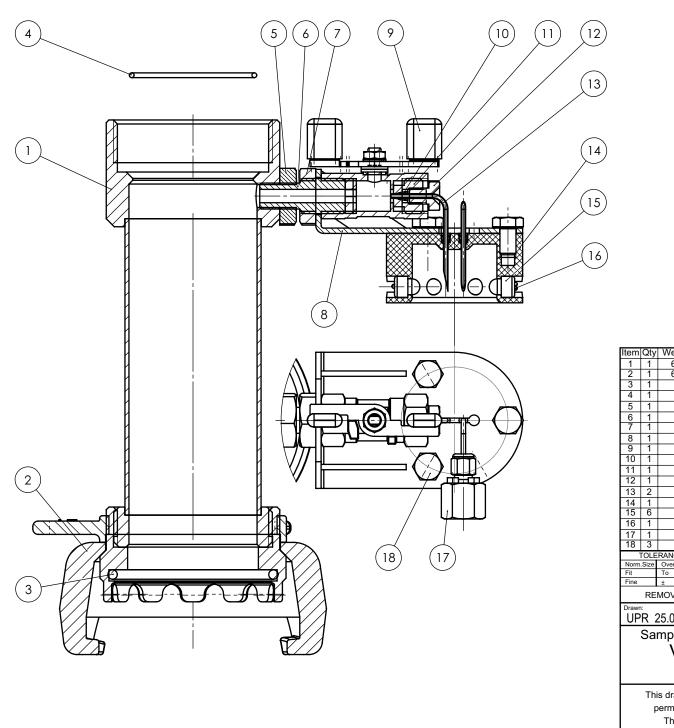








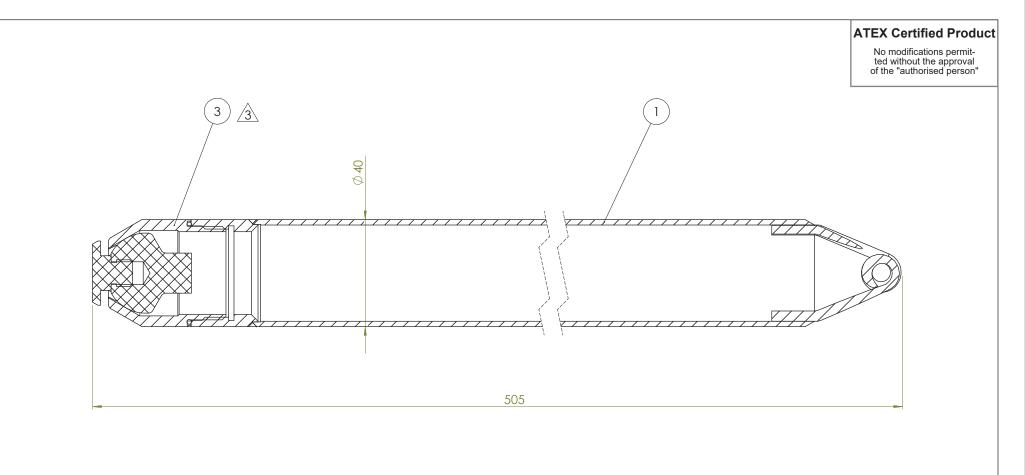




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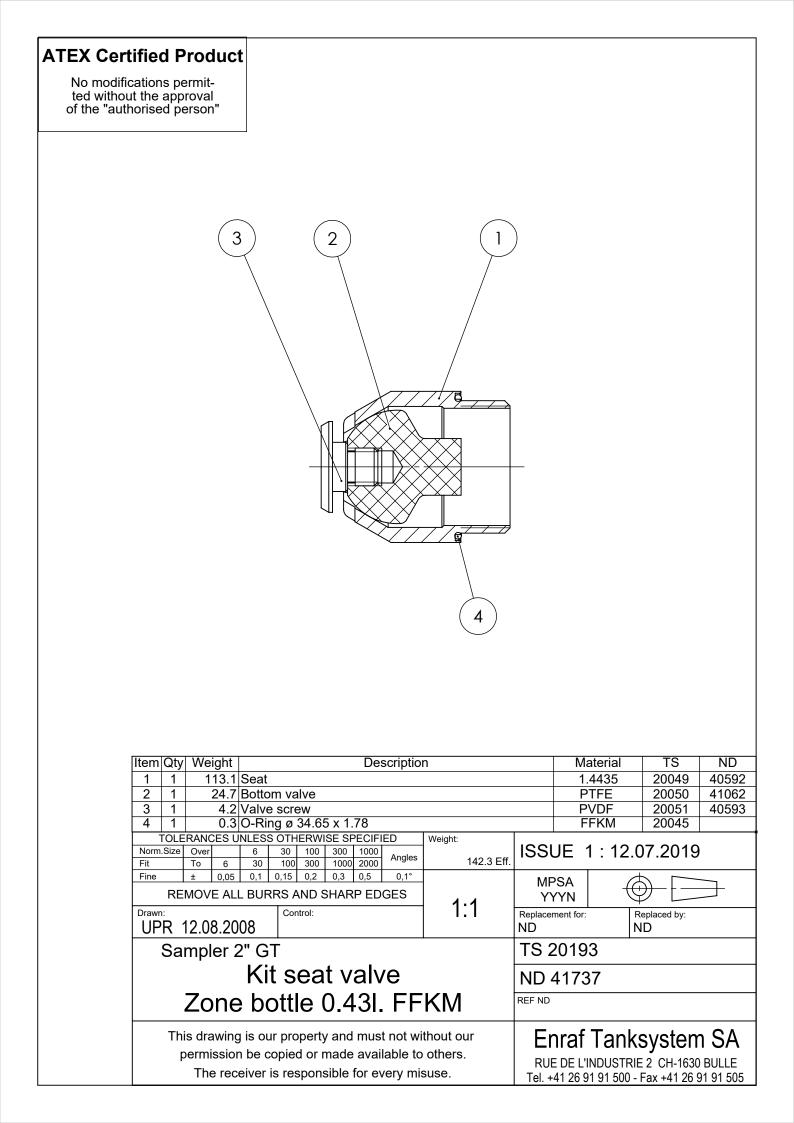
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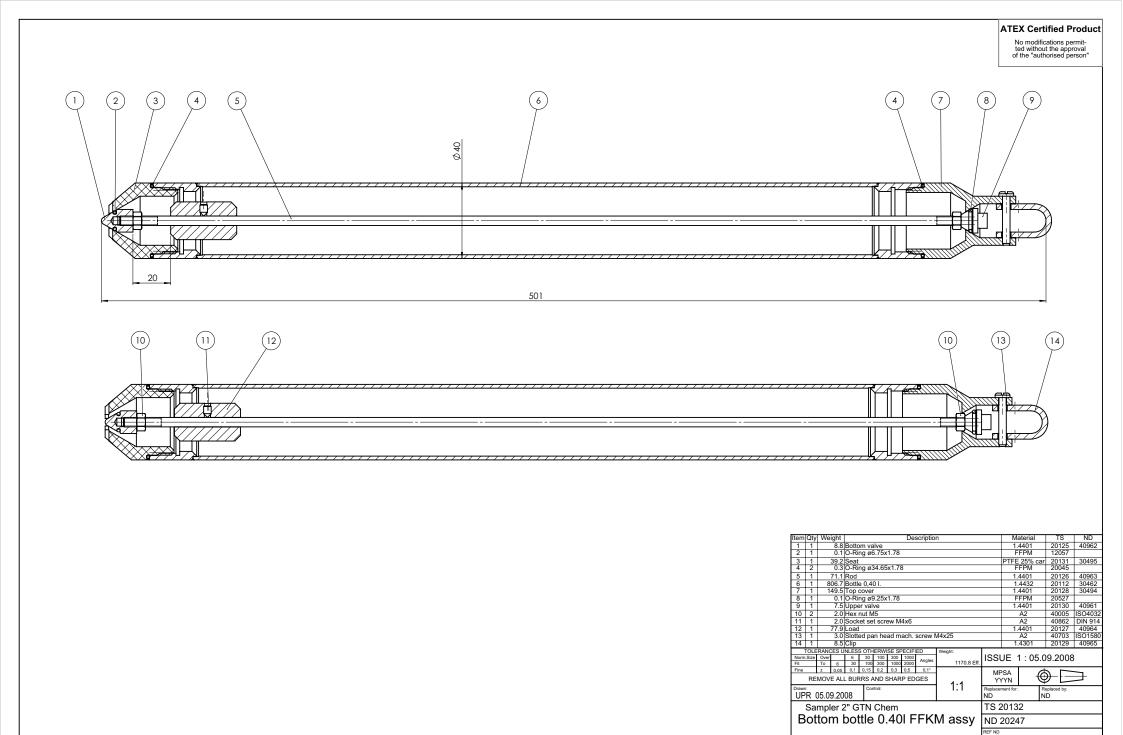
tem	Qty	Weight	Description	Material	TS	ND	
1	1	666.3	Valve holder welded	1.4401	20095	30325	
2	1		Female quick coupler		20537	30303	
3	1		O-Ring ø56.74x3.53	FFKM	20538		
4	1		O-Ring ø44.17x1.78	FFPM	20046		
5	1		Nut G1/8"	1.4401	20164		
6	1		Muff G 1/8" to G 1/4"	1.4435	20156	41100	
7	1		Special nut G 1/4"	1.4301	20162	41104	
8	1		Holder	1.4401	20160	30628	
9	1		Valve G 1/4" female Cylindrical thread		20151	41094	
10	1		Ferrule Swagelok	1.4401	20159	41103	
11	1		Special muff G 1/4"	1.4401	20153	41098	
12	1		Screw M6 special	A2	20154	41099	
13	2		Bend needle 16 Ga	1.4401	20158	41102	
14 15	1		Bottle holder	PVDF POM	20155 20054	30627 40638	
15	6 1		Finger for bottle holder Spring for bottle holder	1.4432	20054	40638	
-	1				20056	40007	
17 18	$\frac{1}{3}$		Female connector SS-100-7-2 Hex cap screw M6x10	1.4401 A2		ISO4017	
	Ŭ		NLESS OTHERWISE SPECIFIED Weight:	<u>_</u>	40002	1004017	
Norm		Over	6 30 100 300 1000 ISS	UE 1:25.0	08 2008		
Fit		To 6	30 100 300 1000 2000 ^{7 Migloo} 1580.3 Eff.				
Fine		± 0,05	0,1 0,15 0,2 0,3 0,5 0,1° MI	PSA C		_	
	REI	MOVE ALI	BURRS AND SHARP EDGES	YYN VY	アロ		
Drawr					eplaced by:		
UP	<u>R 2</u>	25.08.20	08 ND	N	ID		
	Sar	mpler 2	" GTN Chem TS	TS 10417			
		V/al	ve & Bottle holder	ND 20020			
		vai		ND 30630			
			REF ND	20334/20434			
	Thi	s drawing	is our property and must not without our	hraf Tanks	system	n SA 🗍	
	p	ermissior	he conied or made available to others				
	ľ		RU	RUE DE L'INDUSTRIE 2 CH-1630 BULLE			
		1110 100		Tel. +41 26 91 91 500 - Fax +41 26 91 91 505			



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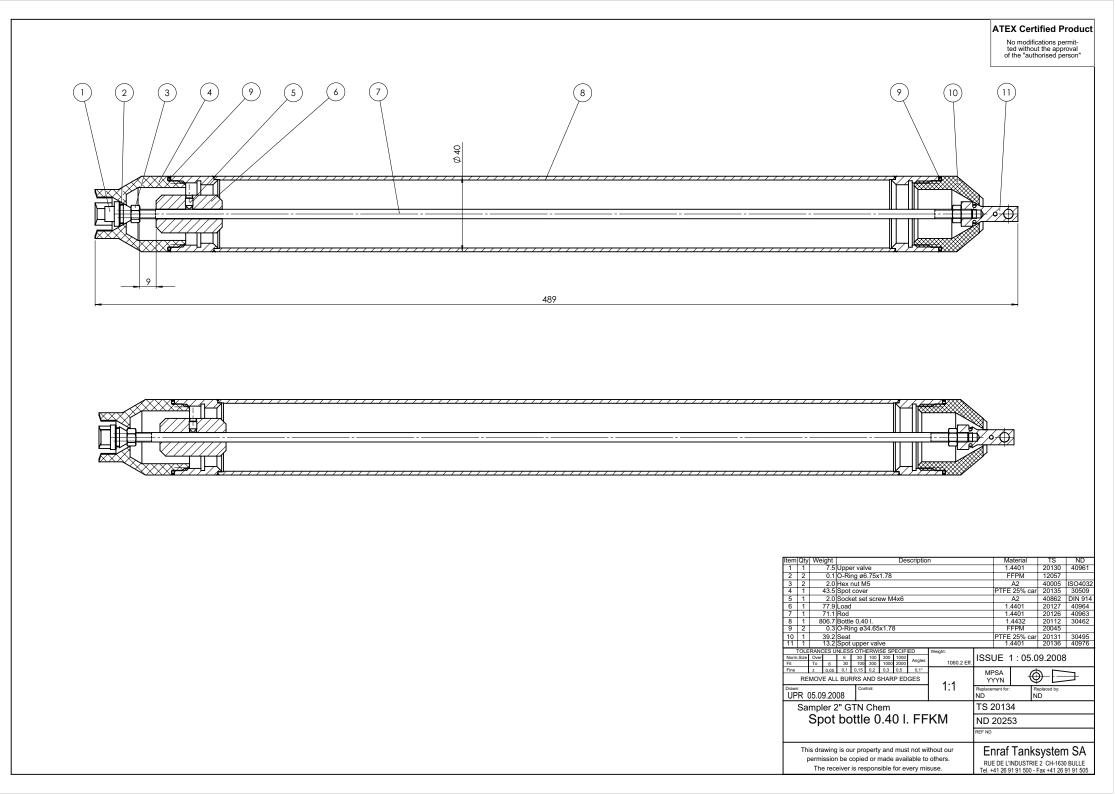
	Item Qty Weight Description	Material TS ND
	1 1 869.5 Bottle 0,43 I.	20048 30294
	3 1 142.3 Kit seat valve Zone bottle 0.43I. FFKM	20193 41737
	TOLERANCES UNLESS OTHERWISE SPECIFIED Weight: Norm.Size Ovr 6 30 100 300 1000 Angles Fit To 6 30 1000 3000 1000 Angles	ISSUE 3:11.10.2019
	Fine ± 0,05 0,1 0,15 0,2 0,3 0,5 0,1* REMOVE ALL BURRS AND SHARP EDGES 4.4	MPSA YYYN
	Drawn: UPR 12.08.2008	Replacement for: Replaced by: ND ND
	Sampler 2" GT	TS 10374
	Zone bottle 0.43I. FFKM assy	ND 30293 REF ND 20158
REVISIONS Modification Date Visa Change for Kit seat valve 11.10.2019 UPR	This drawing is our property and must not without our permission be copied or made available to others. The receiver is responsible for every misuse.	Enraf Tanksystem SA RUE DE L'INDUSTRIE 2 CH-1630 BULLE Tel. +41 26 91 91 500 - Fax +41 26 91 91 505

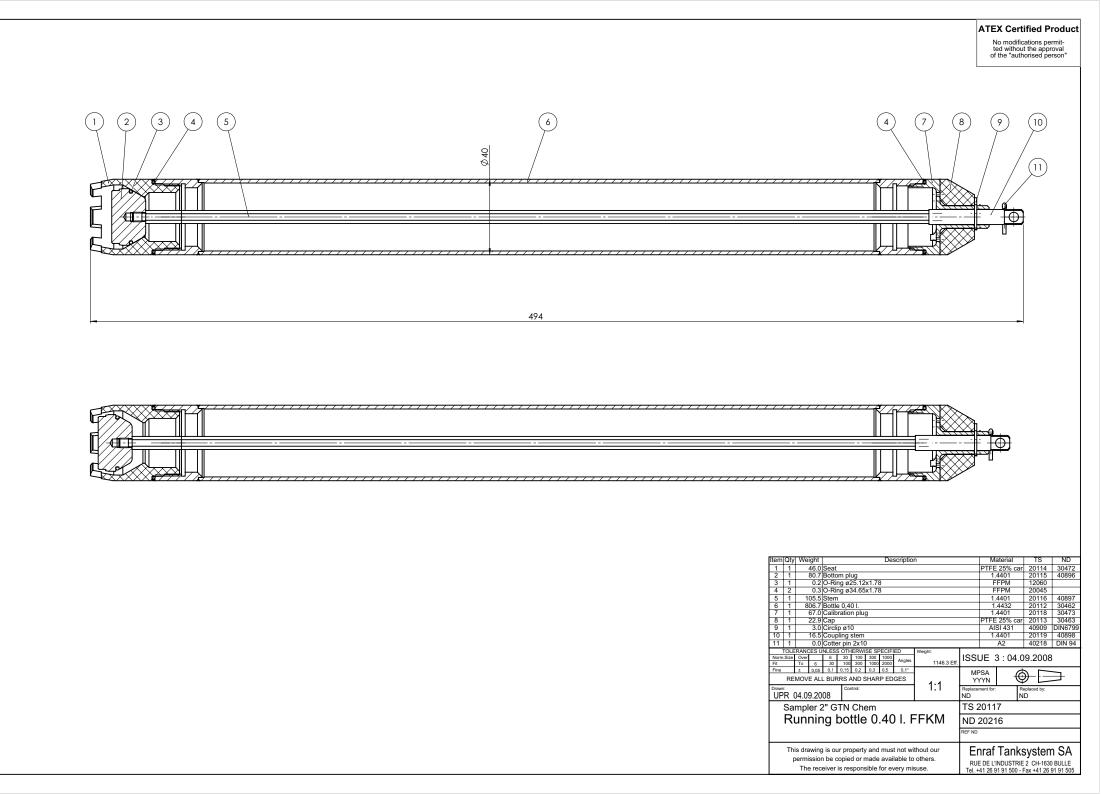


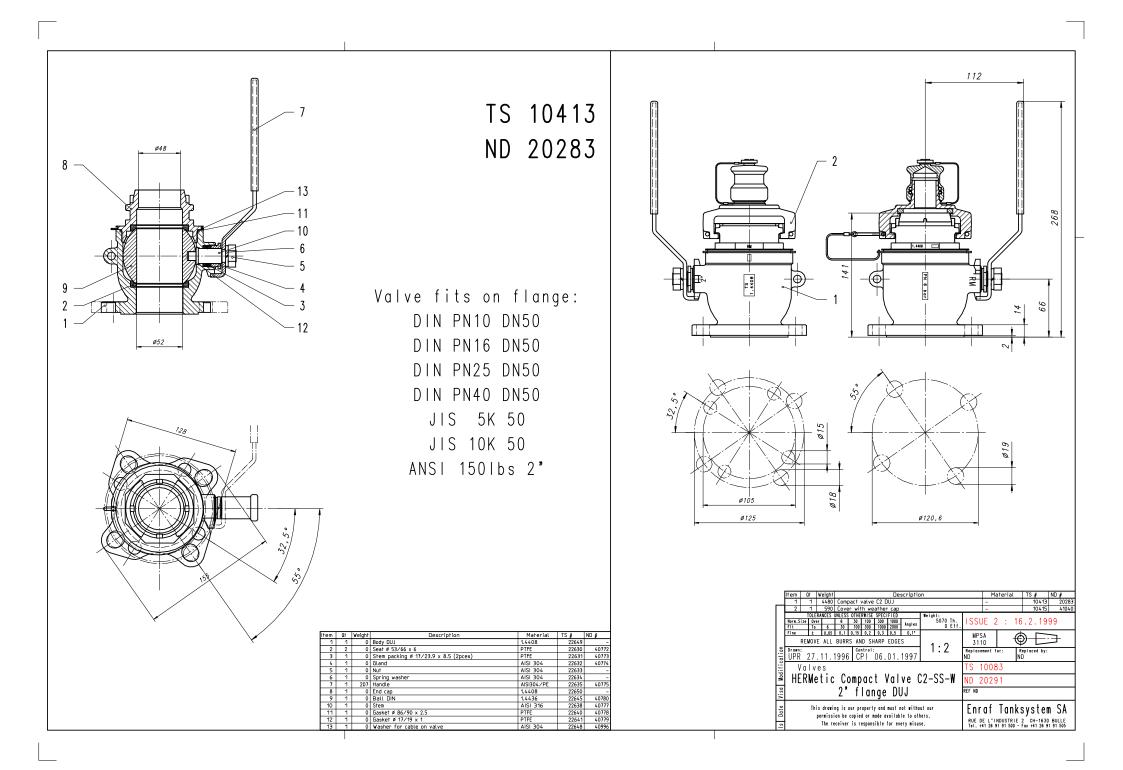


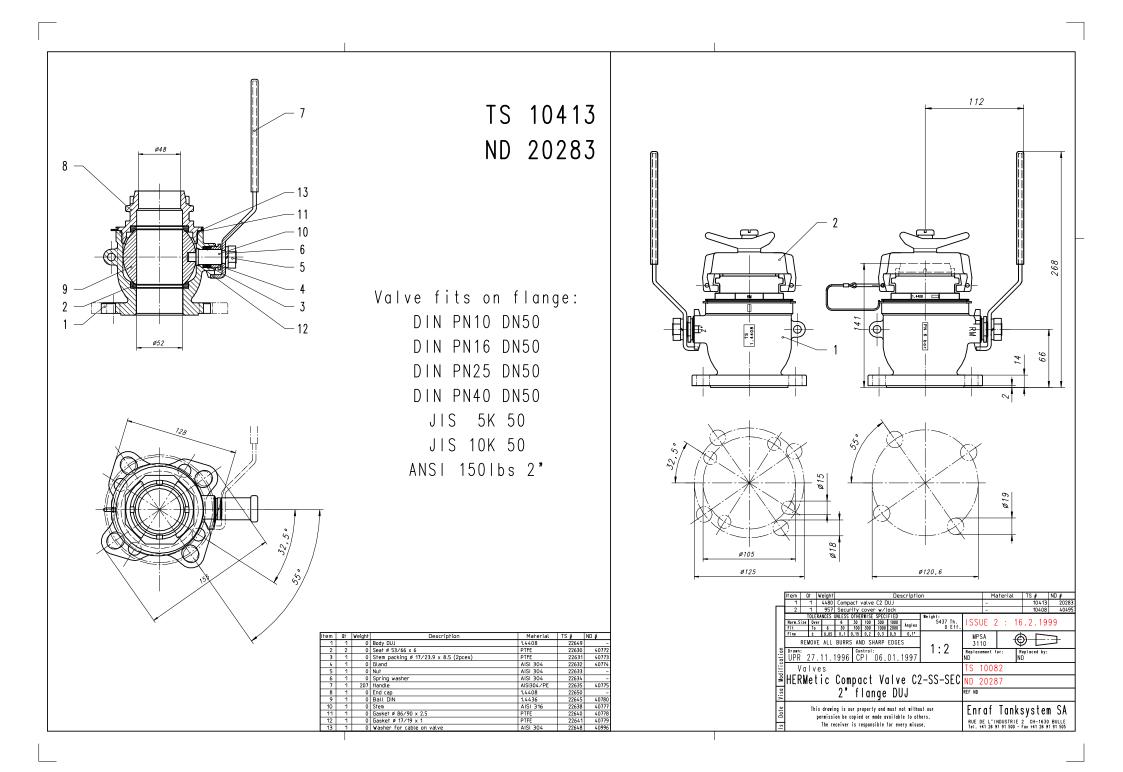
Enraf Tanksystem SA RUE DE L'INDUSTRIE 2 CH-1630 BULLE Tel. +41 26 91 91 500 - Fax +41 26 91 91 505

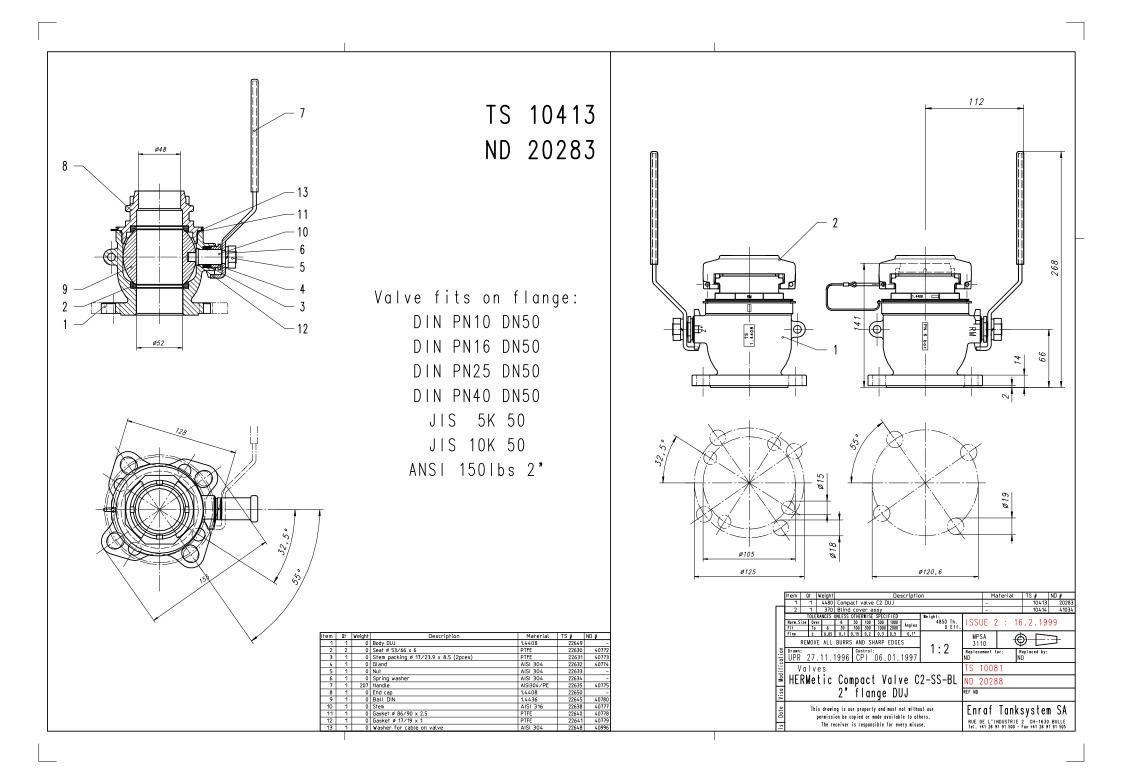
This drawing is our property and must not without our permission be copied or made available to others. The receiver is responsible for every misuse.

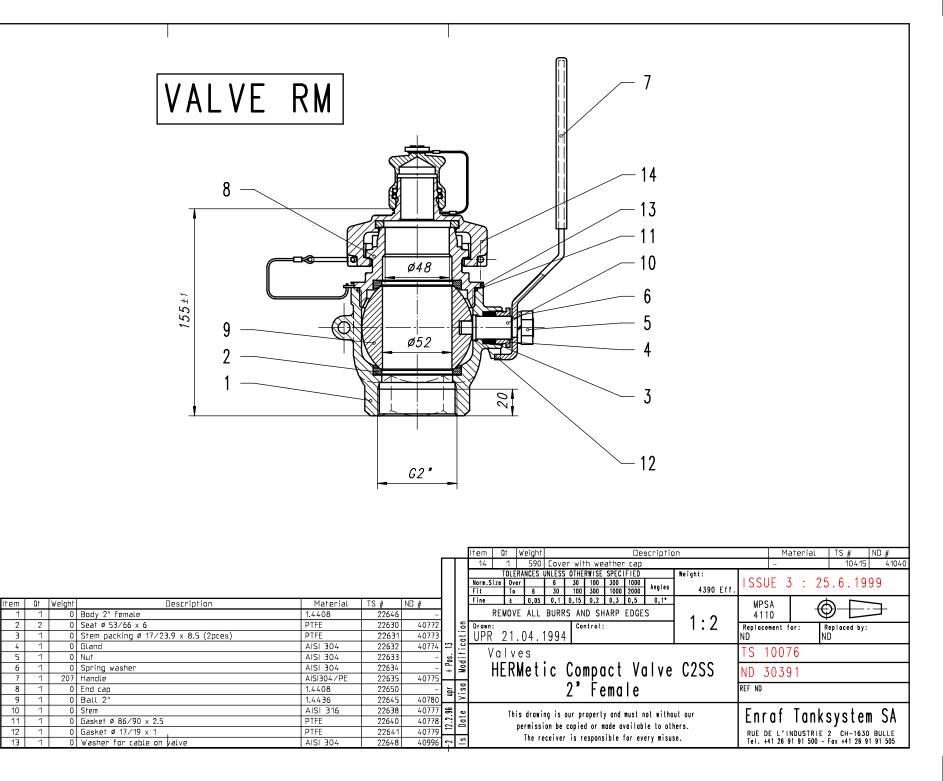


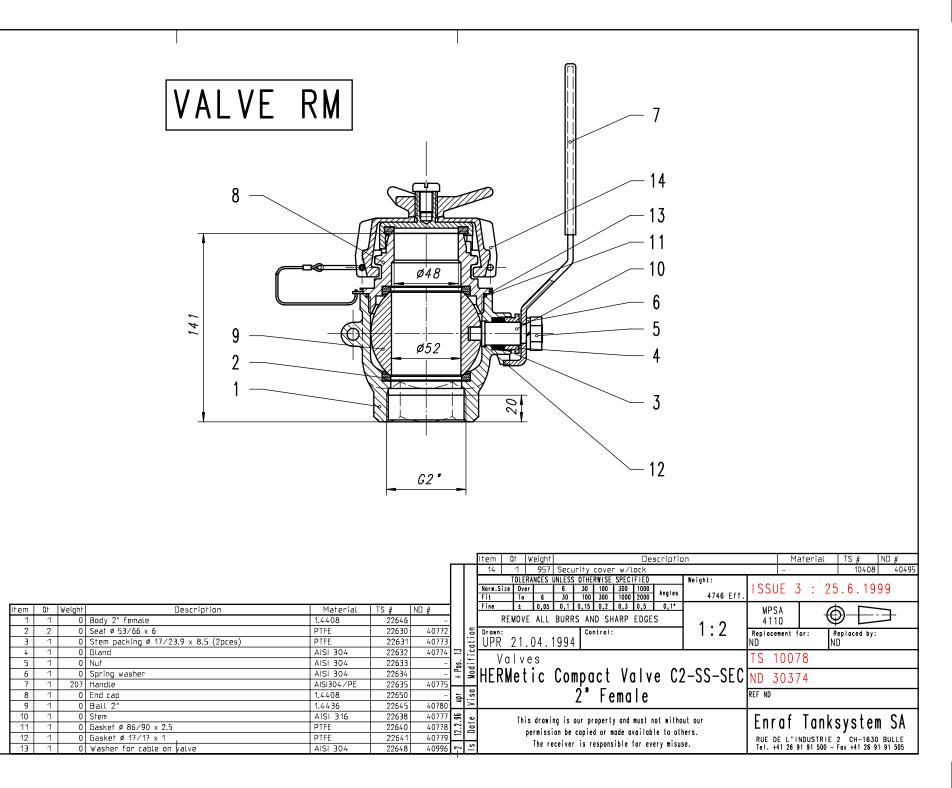


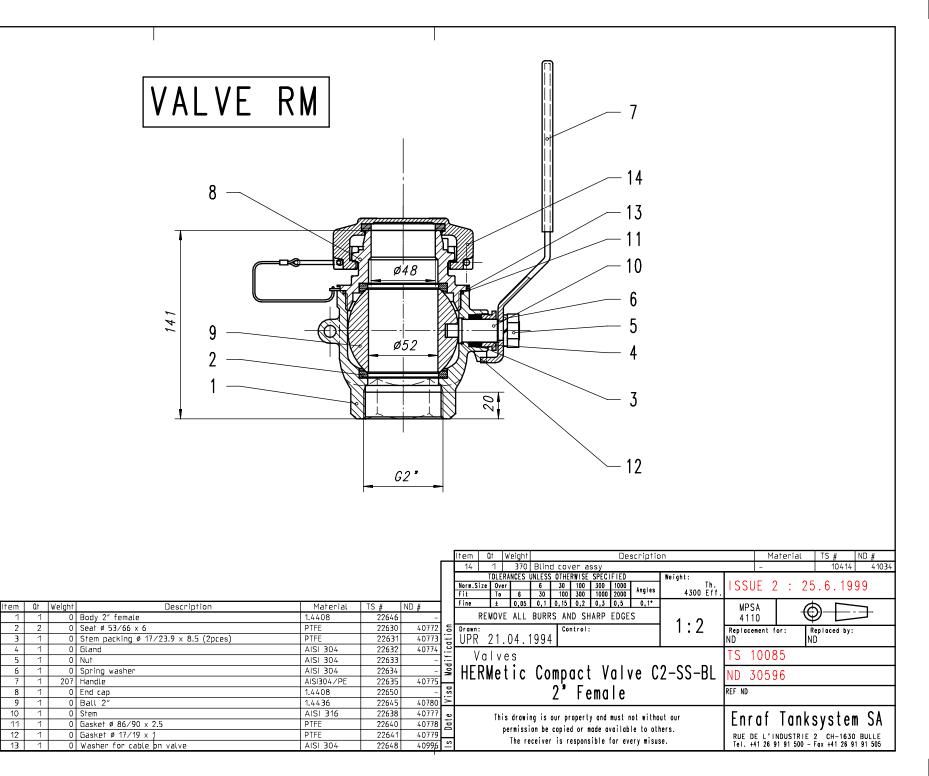












Honeywell

Enraf Tanksystem SA



Author: QD

December 18, 2020

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EU DECLARATION OF CONFORMITY

EU-KONFORMITÄTSERKLÄRUNG / DÉCLARATION UE DE CONFORMITÉ

1	Product: Produkt: Produit:	HERMetic Sampler Type GT / GT Chem / GTX Chem / GTN Chem / A4 / GT4
2	Object of the declaration: Gegenstand der Erklärung: Objet de la déclaration :	
3	Name and address of the manufacturer: Name und Anschrift des Herstellers: Nom et adresse du fabricant:	ENRAF TANKSYSTEM SA Rue de l'Industrie 2 CH-1630 BULLE Switzerland
4	The object of the declaration described above is in con- formity with the relevant Union harmonisation legislation: Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union: L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable:	2014/34/EU (ATEX)
5	References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared: Angabe der einschlägigen harmonisierten Normen oder der anderen technischen Spezifikationen, die der Konformitätserklärung zugrunde gelegt wurden: Références des normes harmonisées pertinentes appliquées ou des autres spécifications techniques par rapport auxquelles la conformité est décla- rée:	ATEX: EN ISO 80079-36: 2016 EN ISO 80079-37: 2016
6	Notified body that performed EU Type Examination and is- sued the certificate (name, number): Diese notifizierte Stelle hat die EU-Baumusterprüfung gemacht und folgende Bescheinigung ausgestellt (Name, Nummer): L'organisme notifié qui a effectué l'examen UE de type et a établi l'attes- tation (nom, numéro): Notified Body that performed Conformity to type based on quality assurance of the production process in accord- ance with Annex IV of the directive and issued the QA No- tification document: Benante Stelle, die die Konformität mit dem Typ auf der Grundlage der Qualitätssicherung des Produktionsprozesses gemäß Anhang IV der Richtlinie durchgeführt und das QS-Dokument ausgestellt hat: Organisme notifié qui a effectué la conformité de type sur la base de l'assurance de la qualité du processus de production conformément à l'annexe IV de la directive et a publié le document de notification d'assu- rance qualité:	ATEX: DEKRA Certification B.V., 0344 QAN : Baseefa ATEX 1536 SGS FIMKO OY, 0598

	Cr	eated / modified	Approved	Released	Remarks	
	4	2015/01/21	2015/01/21	2015/01/21	Update of the ATEX references	
	5	2019/10/15	2019/10/21	2019/10/21	Update according to new DEKRA Certificate + QAN NB added	
	6	2020/12/18	2020/12/18	2020/12/18	Update section 6 QAN (from 1180 to 0598 because Brexit) SGS FIMKO OY	
	The prints of this document are not controlled under the quality management system, unless printed on "ORIGINAL" paper					
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Declaration of Conformity

Enraf Tanksystem SA Author: QD

Honeywell

December 18, 2020

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7 Certificate(s): Bescheinigung(en): Certificat(s):	АТЕХ: КЕМА 06АТЕХ0027
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	Vertalingen	Traducciones
1	Product	Producto
2	Voorwerp van de verklaring	Objeto de la declaración
3	Naam en adres van de fabrikant	Nombre y dirección del fabricante
4	Het hierboven beschreven voorwerp is in overeenstemming de desbetreffende harmonisatiewetgeving van de Unie	El objeto de la declaración descrita anteriormente es conforme con l legislación de armonización pertinente de la Unión
5	Vermelding van de toegepaste relevante geharmoniseerde normen of van de overige technische specificaties waarop de conformiteitsverklaring betrekking heeft	Referencias a las normas armonizadas pertinentes utilizadas, o refe- rencias a las otras especificaciones técnicas respecto a las cuales se declara la conformidad
6	De aangemelde instantie die de EU Type Examination uitgevoerd en het certificaat verstrekt heeft (naam, nummer)	Organismo notificado que realiza examen de tipo UE y expide el cer- tificado (nombre, número)
7	Certificaten	Certificados
		Tanduniani
	μετάφραση προϊόν	Traduzioni Prodotto
1		
2	Στόχος της δήλωσης	Oggetto della dichiarazione
3	Όνομα και διεύθυνση του κατασκευαστή	Nome e indirizzo del fabbricante
4	Ο στόχος της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνος με τη σχετική ενωσιακή νομοθεσία εναρμόνισης	L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione
5	Παραπομπές στα σχετικά εναρμονισμένα πρότυπα που χρησιμοποιήθηκαν ή παραπομπές στις λοιπές τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση	Riferimento alle pertinenti norme armonizzate utilizzate o riferimen alle altre specifiche tecniche in relazione alle quali è dichiarata la conformità
6	Κοινοποιημένο οργανισμό που πραγματοποιήθηκε ΕΕ Εξέταση τύπου και εξέδωσε το πιστοποιητικό (όνομα, αριθμός):	Organismo notificato che eseguito tipo UE Esame e rilasciato il certificato (nome, numero)
7	πιστοποιητικών	Certificati
	Tłumaczenia	Traduções
1	Produkt	Produto
2	Przedmiot deklaracji	Objeto da declaração
3	Nazwa i adres producenta	Nome e endereço do fabricante
4	Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odnośnymi wymaganiami unijnego prawodawstwa harmonizacyjnego	O objeto da declaração acima descrito está em conformidade com o legislação aplicável de harmonização da União
5	Odniesienia do odnośnych norm zharmonizowanych, które zastosowano, lub do innych specyfikacji technicznych, w stosunku do których deklarowana jest zgodność	Referências às normas harmonizadas aplicáveis utilizadas ou às outras especificações técnicas em relação às quais é declarada a conformidade
6	Notyfikowana, że wykonywane badania typu UE i wydała certyfikat (nazwa, numer)	Organismo notificado que realizou Exame de tipo da UE e emitiu o certificado (nome, número)
7	Certyfikaty	Certificados

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant.

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante. Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.

La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante.

Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta.

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante:

Honeywell Enraf Tanksystem SA	Issue: 6 TSB_7021_E.docx				
Author: QD					
Die von den Richtlinien erforderten technis Le dossier technique de construction néces Het technisch constructie dossier vereist de El expediente técnico de construcción requ	saire pour ces directives est maintenue à: por deze richtlijnen wordt bewaard in: erido por dichas Directivas se mantiene a: ίνται από τις οδηγίες αυτές διατηρείται σε: irettive è mantenuta a: ych dyrektyw jest utrzymywana na:	ENRAF TANKSYSTEM SA Rue de l'Industrie 2 CH-1630 BULLE Switzerland			
Signed for and on behalf of: Unterzeichnet für und im Namen von: Signé par et au nom de: Ondertekend voor en namens: Firmado en nombre de:	ENRAF TANKSYSTEM SA Rue de l'Industrie 2 CH-1630 BULLE Switzerland				

Place and date of issue: Ort und Datum der Ausstellung: Date et lieu d'établissement: Plaats en datum van afgifte: Lugar y fecha de expedición:	τόπος και ημερομηνία έκδοσης: Luogo e data del rilascio: Miejsce i data wydania: Local e data de emissão:	Delft, 2020-12-18
Name:		
Name:	όνομα:	
Nom:	Nome:	Jan Bok
Naam:	Imię:	
Nombre:	Nome:	
Function:		
Funktion:	θέση:	
Fonction:	Funzione:	Approval Engineer
Functie:	i nazwisko:	
Cargo:	Cargo:	
Signature:		14
Unterschrift:	υπογραφή:	Afric
Signature:	Firma:	LA
Handtekening:	Stanowisko:	
Firma:	Assinatura:	V