



## **UFM 530 HT** CRN Approval

- 4" 300lbs
- 6" 1500 lbs – A312+A182



14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

May 03, 2010

COR SCHELLAARS  
KROHNE ALTOMETER  
KERKEPLAAT 123313 LC DORDRECHT  
DORDRECHT  
NL

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 374176  
**Your Reference No.:** CAT F FITTING - FLOW METER UTM 530 F HT DN 4"-300 LBS

Dear COR SCHELLAARS,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission on April 26, 2010 has been reviewed and registered as follows:

**CRN No.:** **0F13835.5**  
**Reference No.:** CAT F FITTING - FLOW METER UTM 530 F HT DN 4"-300 LBS  
**Main Design No.:** Flow Meter Model No. UTM 530 F HT DN 4"- 300 LBS  
**Expiry Date:** May 03, 2020

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,



Mark Valcic P. Eng.  
Engineer BPV  
Tel.: 416-734-3494  
Fax: 416-231-6183  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)



**TECHNICAL STANDARDS & SAFETY AUTHORITY**  
 14th Floor, Centre Tower  
 3300 Bloor Street West  
 Toronto, Ontario  
 Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

**KROHNE**

## STATUTORY DECLARATION Registration of Fittings

I, Cor Schellaars, Chief engineer  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Krohne Altometer  
(Name of Manufacturer)

Located at Kerkeplaat 12, Dordrecht, the Netherlands 0031 78 630 6354  
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of \_\_\_\_\_  
(Title of recognized North American Standard)  
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME VIII div.1 / ASME B31.3 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001  
 which has been verified by the following authority, LRQA

The items covered by this declaration, for which I seek registration, are category meas. dev. Cat. F type fittings. In support of this application, the following information and/or test data are attached as follows:  
See page 2 of Statutory Declaration Registration of Fittings UFM 530 F HT DN 4" 300 LBS  
(drawings, calculations, test reports, etc.)

Declared before me at Sliedrecht in the \_\_\_\_\_ of \_\_\_\_\_

the Papier day of April AD 20 10

Commissioner for Oaths:



(Printed name) \_\_\_\_\_  
 (Signature) [Signature]

(Signature of Declarer) [Signature]

**FOR OFFICE USE ONLY**

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F

CRN: OF/3835.5  
 Registered by: Mark Valcic, P.ENG  
 Dated: May 3, 2010

NOTE: This registration expires on May 3, 2020

**Technical Standards and Safety Authority**      **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: OF/3835.5

Signed: [Signature]

Date: May 3, 2010



the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



I, Cor Schellaars, Chief engineer

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Krohne Altometer

(name of manufacturer)

located at Kerkeplaat 12, Dordrecht, the Netherlands

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ... which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME VIII div.1/ASME B31.3 as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, LRQA as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are (Meas dev.Cat.F)

In support of this application, the following information, calculations and/or test data are attached:

See page 2 "Statutory Declaration Registration of fittings UFM 530 F HT DN 6 inch 1500 LBS Material ASTM A312 TP347H and ASTM A182 F347H

DECLARED before me at Dordrecht in the of

this day of July, 2011 (Month) (Year)

(print)

(sign)



(Signature of Applicant)

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51. Clause 4.2, and is accepted for registration in Category H' PER ACCEPTANCE LETTER

Registration Number: OH12054.2

Date Registered: 01 FEB 2012

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: 01 FEB 2022

Statutory declaration

Registration of fittings

UFM 530 F / HT / DN 6" – 1500 Lbs RTJ

(Page 2.)

On behalf of KROHNE Altometer we are applying for an CRN Approval on special flow meters of our Ultrasonic design type as described within.

Standard flow meters are already approved under CRN 0F04725 Fittings Design registration. The reason for this new approval is that these flow meters are out of the scope of the original approval based on XXT version and pressure rating .

Product model names to be registered include:

- UFM 530 F / HT
- OPTISONIC 8000

The pressure containing/wetted parts for above mentioned model names are exactly the same. The reason for multiple product names is that the flow tube can be configured with different electronic signal converters (mounted on top of the flow tube or remote version)

To this statutory declaration belongs the following documentation:

1. Design registration Application form (AB-31 00/10)
2. Lloyds Register Quality Assurance: " Certificate of Approval "
3. Quality Assurance manual.
4. Technical Datasheet " 4000210602 – TD UFM 530 HT R02 en "
5. Draw. 73121765 " Parts list UFS 500 F / HT DN 6" 1500 Lbs RTJ "
6. Draw. 23166722 "Assembly drawing "
7. Draw. 23158616 " Wave cond. Housing assy steam "
8. Draw. 33137608 " Bush Ø 92.1 x 85 "
9. Draw. 23158615 C " Wave conductor steam "
10. Draw. 23198363 " Measuring tube "
11. Draw. 33171952 " Upper transducer pocket "
12. Draw. 33171953 " Lower transducer pocket "
13. Draw. 33172498 " Flange DN 2"ASME B16.5 1500 LBS LF "
14. Draw. 33163110 A " Plate "
15. Draw. 33172514 " Pipe 168.3 x 21.95 x 1648 "
16. Draw. 33172497 " Flange DN 6"ASME B16.5 1500 LBS RTJ "
17. Draw. 33157462 " Plate "
18. Draw. 33114603 " Earth block 40 x 15 x 15 "
19. Draw. 33157463 " Plate "
20. Draw. 33145872A " Support plate "
21. GA Drawing 73119993
22. Welding plan 2592A
23. WPS WWBTM04 ( incl. PQR/WPQ )
24. Welding plan 5728
25. WPS WWBTM07 ( incl. PQR/WPQ )
26. WPS WWBMM11 ( incl. PQR/WPQ )
27. Statement on the use of WPS and welding plans
28. Stress calculation no. 09723