ALTOSONIC V CRN Approval
I, C. Schellaars, Chief Engineer

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

(name of manufacturer)

located at Kerkeplaat 12 Dordrecht, The Netherlands, (PO box 110 zip code 3300AC Dordrecht)

(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,

(title of recognized North American Standard)

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, L.R.Q.A. 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 Measuring device Cat F.

In support of this application, the following information, calculations and/or test data are attached:
See page 2 of Stat. Decl. Form Fitting UFS A-V XT 8 inch 300 LBS

DECLARED before me at Sliedrecht in the day of August 2009
(print)
(sign) (A Commissioner for Oaths)
(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

Registration Number: 0F047252

Date Registered: JAN 05 2010

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: APRIL 18, 2015

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.
I, C. Schellaars

Chief Engineer

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

of Krohne Altemeter

(name of manufacturer)

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

☐ comply with the requirements of


(title of recognized North American Standard)

(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 Section VIII div. 1 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, L.R.I.S. 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 Measuring device Cat F.

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

See page 2 of Stat. Decl. Form Fitting UFS A-V XT 8 inch 300 LBS

DECLARED before me at Sliedrecht in the of

this 8th day of October, (Month) (Year)

(print)

(sign) (A Commissioner for Oaths)

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

Registration Number: ____________________________ (For the Administrator/Chief Inspector of Alberta)

Date Registered: ____________________________ Expiry Date: ____________________________

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.
Statutory Declaration
registration of fittings
UFS A-V XT 8 inch 300 LBS
(Page 2.)

To this statutory declaration belongs the following documentation:

1. Design registration Application form (AB–31-2006-08)
2. Lloyds Register Quality Assurance: "Certificate of Approval"
4. Catalogue “Altosonic V Ultrasonic Flowmeters”

5. Draw. 83121716 “Partlist Pipe run DN 8” – 300lbs”
6. Draw. 73113997 “Pipe run Altosonic V 8” - 300lbs”
7. Draw. 73114197 “GA Inlet Altosonic V”, sheet 1 and 2
8. Draw. 73114397 “GA flowhead Altosonic V HT/CSA”
9. Draw. 73114597 “GA outlet Altosonic V”

10. Draw. 83121717 “Partlist Inlet piece DN 8” – 300lbs”
11. Draw. 83115297 “Inlet section Altosonic V DN 8” – 300lbs RF” sheet 1
12. Draw. 33168788 “Flange DN 8”
13. Draw. 33169027 “Pipe 219.1 x 8.2 x 798”
14. Draw. 33168395 “Plate 30 x 30 x 15”
15. Draw. 73114197 “GA Inlet Altosonic V”, sheet 1

16. Draw. 83121718 “Partlist Inlet piece DN 8” – 300lbs”
17. Draw. 83115297 “Inlet section Altosonic V DN 8” – 300lbs RF” sheet 2
18. Draw. 33168788 “Flange DN 8”
19. Draw. 33169028 “Pipe 219.1 x 8.2 x 773”
20. Draw. 33168395 “Plate 30 x 30 x 15”
22. Draw. 73114197 “GA Inlet Altosonic V”, sheet 2

23. Calculation of Walthickness No 09NL002-CLC-010 acc dwg 09NL002-ME-110
24. Draw. 09NL002-ME-110-001 “GA 8” 300# Inlet & outlet spool”

25. WPS PQR Inlet & Outlet 8” 300#

26. Draw. 83121719 “Partlist Altosonic V DN 8” – 300lbs”
27. Draw. 83115497A “Altosonic V DN8” – 300lbs”
28. Draw. 33154557 “Flange DN 8”
29. Draw. 23096421 “Altosonic V DN200 Housing”
30. Draw. 33008109 “Pen”
31. Draw. 23118758 “Sensor housing Ø28 Altosonic V HT”
32. Draw. 33167338A “High Temperature sensor housing 80mm”
33. Draw. 33167340 “Housing”
34. Draw. 33107574 “Sensor Window”
35. Draw. 33167339A “High Temperature sensor housing 60mm”
36. Draw. 33169427 “UFM Block”
37. Draw. 33134774A “Connection box Altosonic V”
38. Draw. 33149298A “Support”
40. Draw. 33168396 “Seal plate”
41. Draw. 33165787 “Bottom plate Alotsonic V connectionbox”
42. Welding plan 4912 RevA
43. WPS WWBTM13
44. Draw. 73114397 “GA flowhead Alotsonic V HT/CSA”
45. Calculation of Walthickness No 8” – 300lbs
46. Draw. 83121720 “Partlist Outlet piece DN 8” – 300lbs”
47. Draw. 83115697 “Outlet section Alotsonic V DN 8” – 300lbs RF”
48. Draw. 33168788 “Flange DN 8”
49. Draw. 33169028 “Pipe 219.1 x 8.2 x 773”
50. Draw. 33168395 “Plate 30 x 30 x 15”
51. Draw. 73114597 “GA Outlet Alotsonic V”
I, C. Schellaars, Chief Engineer

of Krohne Altomter

located at Kerkeplaat 12 Dordrecht, The Netherlands, (PO box 110 zip code 3300AC Dordrecht)

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, L.R.Q.A. 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 Measuring device Cat F.

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

See page 2 of Stat. Decl. Form Fitting UFS A-V XT 8 inch 300 LBS

DECLARED before me at Sliedrecht in the of

this 5th day of August 2009

(print)

(Signature of Applicant)

(A Commissioner for Oaths)

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

Registration Number: OF0472502

Date Registered: JAN 05 2010

Expiry Date: APRIL 13, 2015

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.
I, C. Schellaars, Chief Engineer

of Krohne Attometer

located at Kerkeplaat 12 Dordrecht, The Netherlands, (PO box 110 zip code 3300AC Dordrecht)

I 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 ____________ 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, L.R.I.S. 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 Measuring device Cat F.

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

See page 2 of Stat. Decl. Form Fitting UFS A-V XT 8 inch 300 LBS

DECLARED before me at Sliedrecht in the
this 8th day of October, (Month)

(print)

(sign) (A Commissioner for Oaths)

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 ________________________________

Registration Number: ________________________________ (For the Administrator/Chief Inspector of Alberta)

Date Registered: ________________________________ Expiry Date: ________________________________

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.
January 05, 2010

KROHNE-ALTOMETER
KERKEPLAAT 12
DORDRECHT, NETHERLANDS, 3313 LC

Dear Cor Schellaars,

The design submission, tracking number 2009-04573, originally received on August 20, 2009 was surveyed and accepted for registration as follows:

CRN : 0F04725.2
Reg Type : Addition to Acc. Fitting
Drawing No. : PART LIST 83121716
Fitting Desc: 8" 300 LB ALTOSONIC V FLOW MEASURING DEVICE

Accepted on: January 05, 2010
Expiry Date: April 18, 2015

The registration is conditional on your compliance with the following notes:

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

Design conditions: 41.4 bar at 20 degree C & 28.8 bar at 210 degree C.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Sincerely,

FOK, PO, P. Eng.
Design Survey Engineer