

June 14, 2021

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2021-00899, originally received on February 22, 2021 was surveyed and accepted for registration as follows:

CRN : 0C22962.52 **Accepted on:** June 14, 2021
Reg Type: NEW DESIGN **Expiry Date:** January 21, 2031
Drawing No. : SCOPE OF FILL CLUSTER
Fitting type: FILL CLUSTER

Design registered in the name of : HEROSE GMBH ARMATUREN UND METALLE

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

*** Fill clusters types 07003, 07004, 07013-07019, 07022, 07023, 07023, 07028*

*** The fittings are in full compliance with ASME B31.3, as per e-mail confirmation from Mr. Stephan Schama*

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.3 and other engineering analysis.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and 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.*

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

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936

**STATUTORY DECLARATION
Registration of Fittings**
Single or Multiple Fitting Designs within one Fitting Category

I, Marc Zaubitzer, Quality Management HEROSE Group
(name of applicant) (position title) (must be in a position of authority)
of HEROSE GMBH ARMATUREN UND METALLE
(name of manufacturer)
located at Elly-Heuss-Knapp Straße 12, 23843 Bad Oldesloe, Germany
(plant address)

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

**** See attached**

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only 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 PED 2014/68/EU, DIN EN 1626 as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

| Item # | Product Description, Model or Series | Quality Program | Scope of Certification | Expiry Date | Verifying Organization | Location(s) Plant Name and address |
|--------|--------------------------------------|-------------------------------------|--|--|------------------------|---|
| 1. | See attached Scope of Registration | ISO9001 (see TWIMC_071 in addition) | Development, manufacture and sales of industrial valves and pressure safety valves | 2020-08-14 (Recertification audit will be in Nov. 2020, see TWIMC_071 in addition) | TÜV NORD CERT GmbH | HEROSE GMBH ARMATUREN UND METALLE Elly-Heuss-Knapp Straße 12, 23843 Bad Oldesloe, Germany |
| 2. | | | | | | |

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

Data sheets, drawings (incl. Bill of Material), burst pressure test reports, calculations

M. Faulstich
(Signature of the Declarer)

2020-11-13
(Date)

file no. 627/2020
DECLARED before me at Bad Oldesloe in the City of Germany
(city) (province, territory, or state)

this 13th day of november, 2020
(Month) (Year)

(print) Karl-R. Wurch, deputy notary
(a Commissioner of Oaths or Notary Public)

(sign) [Signature]
(a Commissioner of Oaths or Notary Public)

(expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: Bad Oldesloe, germany
(province, territory, or state)

For ABSA Office Use Only:

NOTES: **** See attached Scope of Fill Cluster**

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category _____.

CRN: _____

Registered Date: _____

Expiry Date: _____

Signature: _____
(Signature of the Administrator/SCO)

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 Pressure Equipment Discipline

2021-00899

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0C22962.52

See acceptance letter for conditions of registration.

Date: 2021-06-14 By: [Signature]
ASHLING DICK, P. Eng.

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

**STATUTORY DECLARATION
Registration of Fittings**
Single or Multiple Fitting Designs within one Fitting Category

I, Marc Zaubitzer, Quality Management HEROSE Group
(name of applicant) (position title) (must be in a position of authority)
of HEROSE Valves Co., Ltd., Member of HEROSE Group
(name of manufacturer)
located at Wanda Road 41-16, Building 33, 116600 Dalian, China
(plant address)

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

**** See attached**

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only 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 PED 2014/68/EU, DIN EN 1626 as supported by the (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

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| 1. | See attached Scope of Registration | ISO9001 (see TWIMC_071 in addition) | Development, manufacture and sales of industrial valves and pressure safety valves | 2020-08-14 (Recertification audit will be in Nov. 2020, see TWIMC_071 in addition) | TÜV NORD CERT GmbH | HEROSE Valves Co., Ltd. Wanda Road 41-16, Building 33, 116600 Dalian, China |
| 2. | | | | | | |

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

Data sheets, drawings (incl. Bill of Material), burst pressure test reports, calculations

M. Zambelli (Signature of the Declarer)

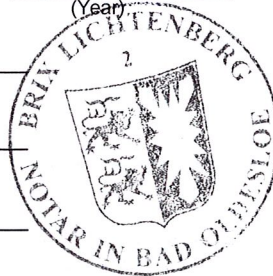
2020-11-13 (Date)

file no. 635/2020 DECLARED before me at Bad Oldesloe in the City of Germany

this 13th day of november, 2020

(print) Karl-R. Wurch, deputy notary (a Commissioner of Oaths or Notary Public)

(sign) (a Commissioner of Oaths or Notary Public)



(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: Bad Oldesloe, germany

For ABSA Office Use Only:

NOTES: See attached Scope of Fill Cluster

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category: CRN: Registered Date: Expiry Date: Signature: (Signature of the Administrator/SCO) 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 Pressure Equipment Discipline

2021-00899 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0C22962.52 See acceptance letter for conditions of registration. Date: 2021-06-14 By: Ashling Dick, P. Eng. This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.


Scope of Registration

HEROSE



| Category | Fitting Type | Type no. | Type of application | existing CRN | | Size | | Pressure Rating | MDMT |
|----------|--------------|----------|---------------------|---|-----------------------------------|-------------|-------------|-----------------|-----------------|
| | | | | Business Unit Bad Oldesloe, Germany | Business Unit Dalian, China | until now | new | | |
| C | Fill Cluster | 07003 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07004 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07013 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07014 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN40 | -196 to +120 °C |
| | Fill Cluster | 07015 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07016 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07017 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07018 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07019 | Enlargement | 0C6923.5R1 | 0C6923.5ADD4 | DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07022 | Enlargement | 0C6923.5R1 | 0C6923.5ADD4 | DN40 | DN25 + DN40 | PN40 | -196 to +120 °C |
| | Fill Cluster | 07023 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN25 + DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07026 | Enlargement | 0C6923.5R1 | 0C6923.5ADD4 | DN40 | DN25 + DN40 | PN50 | -196 to +120 °C |
| | Fill Cluster | 07028 | Renewal | 0C6923.5R1 | 0C6923.5ADD4 | DN40 | DN40 | PN50 | -196 to +120 °C |

THIS IS PART OF CRN
0C22962.5
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety
 Program

2021-00899
ABSA
 SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0C22962.52
See acceptance letter for
conditions of registration.
 Date: 2021-06-14 By: 
 ASHLING DICK, P. Eng.

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Scope of Fill Cluster

| Category | Type no. | Size | Pressure Rating | MDMT | ASTM Material main body | Design code | Burst Pressure Report | Drawing |
|----------|----------|-------------|-----------------|-----------------|-------------------------|--|--|----------------------|
| C | 07003 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | PED 2014/68/EU, AD 2000, DIN EN 1626, ASME B31.3 | 07003,07004;DN25;DN40(engl.) | 07003-dnxx-zulassung |
| | 07004 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | 07003,07004;DN25;DN40(engl.) | 07004-dnxx-zulassung |
| | 07013 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | DN25_55003-0053-0785 DN40_55042-0022-1785 | 07013-x-zulassung |
| | 07014 | DN25 + DN40 | PN40 | -196 to +120 °C | See Drawing | | DN40_55003-0062-0785 DN40_55058-0007-0785 DN25_55003-0041-0785 | 07014-x-zulassung |
| | 07015 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | DN25_55003-0041-0785 DN40_55042-0016-0785 | 07015-x-zulassung |
| | 07016 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | DN25_55003-0052-0785 DN40_55042-0018-1785 | 07016-x-zulassung |
| | 07017 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | See 07015 | 07017-dnxx-zulassung |
| | 07018 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | DN25_55003-0041-0785 DN40_55042-0023-0785 | 07018-dnxx-zulassung |
| | 07019 | DN25 + DN40 | PN50 | -196 to +120 °C | See Drawing | | See 07015 | 07019-x-zulassung |
| | 07022 | DN25 + DN40 | PN40 | 196 to +120 °C | See Drawing | | DN25_60003.0044.0785 DN40_60003.0045.0785 | 07022-dnxx-zulassung |
| | 07023 | DN25 + DN40 | PN50 | 196 to +120 °C | See Drawing | | See 07013 | 07023-dnxx-zulassung |
| | 07026 | DN25 + DN40 | PN50 | 196 to +120 °C | See Drawing | | See 07016 | 07026-dnxx-zulassung |
| | 07028 | DN40 | PN50 | -196 to +120 °C | See Drawing | | See 07018 | 07028-dnxx-zulassung |

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 ASHLING DICK, P. Eng.

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 Program