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[www.tssa.org](http://www.tssa.org)

December 19, 2016

GERHARD KOPPLIN  
MANN TEKNIK AB  
STRANDVAGEN 16  
MARIESTAD 54231  
SE

**Service Request Type:** BPV-Fitting Registration

**Service Request No.:** 1993820

**Your Reference No.:**

**Registered to:** MANN TEKNIK AB

Dear GERHARD KOPPLIN,

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

**CRN No.:** 0H19025.5

Main Design No.: Dry Disconnect Couplings Type DDC, DAC & DGC (See attachment to the Statutory Declaration form for the scope)


Expiry Date: 19-Dec-2026

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

***NOTE: "If the above registered fittings are connected to a hose assembly, such hose assembly must be qualified by proof testing and should be registered under different CRN number (Category "D" fitting) for installation/application in Ontario".***

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, 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: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)



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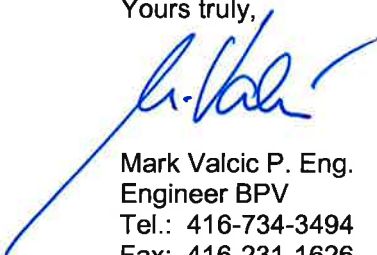
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Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

**STATUTORY DECLARATION  
 Registration of Fittings**

I, Gerhard Kopplin, Chief Engineer  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Mann Teknik AB  
(Name of Manufacturer)

Located at Strandvägen 16, S-54231 Mariestad, Sweden      +46501393214      +46501393209  
(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 B31.3 Process Piping 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 ISO9001:2008 which has been verified by the following authority, Lloyd's Register Quality Assurance Ltd.

The items covered by this declaration, for which I seek registration, are category H type fittings. In support of this application, the following information and/or test data are attached as follows:  
 Technical descriptions, design calculations, drawings, test reports  
(drawings, calculations, test reports, etc.)

Declared before me at Skövde in the Västra Götaland of Sweden

the 14 day of November AD 20 16

**Commissioner for Oaths:**

Christer Malm (Notary Public)  
(Printed name)

Christer Malm  
(Signature)



**Notarius Publicus**  
 ↓ Skövde

(Signature of Declarer)



**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 H

CRN:

OH19025.5

Registered by:

MARK VALCIC, P. ENG.

Dated:

DEC. 19, 2016

NOTE: This registration expires on:

DEC 19, 2026

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

**REGISTERED**

C.R.N.: OH19025.5

Signed: Christer Malm

Date: DEC 19, 2016

PV 09553 (08/15)

NOTE: SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION

**NOTE: "If the above registered fittings are connected to a hose assembly, such hose assembly must be qualified by proof testing and should be registered under different CRN number (Category "D" fitting) for installation/application in Ontario".**

Christer Malm  
Dec 19/16

# Mann Teknik AB

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Boilers & Pressure Vessels  
Safety Program

## DDC Hose unit (Coupler) with NPT-thread female (ANSI B1.20.1)

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Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
1 1"-3/4"	Al	S102A1101	DDC075AL	300	TÜ-AGG 304-99
2	Br	S102A2201	DDC075BR	300	TÜ-AGG 304-99
3	SS	S102A4401	DDC075SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
4 1"-1"	Al	S104A1101	DDC100AL	300	TÜ-AGG 304-99
5	Br	S104A2201	DDC100BR	300	TÜ-AGG 304-99
6	SS	S104A4401	DDC100SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
7 2"-1 1/2"	Al	S208A1101	DDC150AL	300	TÜ-AGG 304-99
8	Br	S208A2201	DDC150BR	300	TÜ-AGG 304-99
9	SS	S208A4401	DDC150SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
10 2"-2"	Al	S211A1101	DDC200AL	300	TÜ-AGG 304-99
11	Br	S211A2201	DDC200BR	300	TÜ-AGG 304-99
12	SS	S211A4401	DDC200SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
13 2 1/2"-3"	Al	S315B1101	DDC300AL105	300	TÜ-AGG 304-99
14	GM	S315B2201	DDC300GM105	300	TÜ-AGG 304-99
15	SS	S315B4401	DDC300SS105	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
16 3"-3"	Al	S415B1101	DDC300AL	300	TÜ-AGG 304-99
17	GM	S415B2201	DDC300GM	300	TÜ-AGG 304-99
18	SS	S415B4401	DDC300SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
19 4"-4"	Al	S517B1101	DDC400AL	300	TÜ-AGG 304-99
20	GM	S517B2201	DDC400GM	300	TÜ-AGG 304-99
21	SS	S517B4401	DDC400SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
22 6"-6"	Al	S6111B1101	DDC600AL	300	TÜ-AGG 304-99
23	SS	S6111B4401	DDC600SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw

## DDC Hose unit (Coupler) with Flange (ANSI B16.5 class 150)

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
24 2"-2"	SS	S257A4401	DDC200SSFL	360	TÜ-AGG 304-99
25 3"-3"	SS	S461B4401	DDC300SSFL	360	TÜ-AGG 304-99
26 4"-4"	SS	S563B4401	DDC400SSFL	360	TÜ-AGG 304-99
27 6"-6"	SS	S6100B4401	DDC600SSFL	360	TÜ-AGG 304-99
28 8"-8"	SS	S8105A4401	DDC800SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw

**DDC Tank unit (Adapter) with NPT-thread female (ANSI B1.20.1)**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
29	Al	T102A1101	DDA075AL	300	TÜ-AGG 304-99
30	Br	T102A2201	DDA075BR	300	TÜ-AGG 304-99
31	SS	T102A4401	DDA075SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
32	Al	T104A1101	DDA100AL	300	TÜ-AGG 304-99
33	Br	T104A2201	DDA100BR	300	TÜ-AGG 304-99
34	SS	T104A4401	DDA100SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
35	Al	T208A1101	DDA150AL	300	TÜ-AGG 304-99
36	Br	T208A2201	DDA150BR	300	TÜ-AGG 304-99
37	SS	T208A4401	DDA150SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
38	Al	T211A1101	DDA200AL	300	TÜ-AGG 304-99
39	Br	T211A2201	DDA200BR	300	TÜ-AGG 304-99
40	SS	T211A4401	DDA200SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
41	Al	T315A1101	DDA300AL105	300	TÜ-AGG 304-99
42	GM	T315B4201	DDA300GM105	300	TÜ-AGG 304-99
43	SS	T315B4401	DDA300SS105	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
44	Al	T415D1101	DDA300AL	300	TÜ-AGG 304-99
45	GM	T415D2201	DDA300GM	300	TÜ-AGG 304-99
46	SS	T415B4401	DDA300SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
47	Al	T517A1101	DDA400AL	300	TÜ-AGG 304-99
48	GM	T517D2201	DDA400GM	300	TÜ-AGG 304-99
49	SS	T517B4401	DDA400SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
50	Al	T6111B1101	DDA600AL	300	TÜ-AGG 304-99
51	SS	T6111B4401	DDA600SS	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw

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 Boilers & Pressure Vessels  
 Safety Program

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**DDC Tank unit (Adapter) with Flange (ANSI B16.5 class 150)**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval	
52	1"-3/4"	SS	T149A4401	DDA075SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
53	1"-1"	Al	T151A1101	DDA100ALFL	300	TÜ-AGG 304-99
54		Br	T151A2201	DDA100BRFL	300	TÜ-AGG 304-99
55		SS	T151A4401	DDA100SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
56	2"-1 1/2"	Al	T255A1101	DDA150ALFL'	300	TÜ-AGG 304-99
57		Br	T255A2201	DDA150BRFL	300	TÜ-AGG 304-99
58		SS	T255A4401	DDA150SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
59	2"-2"	Al	T257B1101	DDA200ALFL	300	TÜ-AGG 304-99
60		Br	T257B2201	DDA200BRFL	300	TÜ-AGG 304-99
61		SS	T257B4401	DDA200SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
62	2 1/2"-3"	Al	T361D1101	DDA300AL105FL	300	TÜ-AGG 304-99
63		GM	T361D2201	DDA300GM105FL	300	TÜ-AGG 304-99
64		SS	T361B4401	DDA300SS105FL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
65	3"-3"	Al	T461D1101	DDA300ALFL	300	TÜ-AGG 304-99
66		GM	T461D2201	DDA300GMFL	300	TÜ-AGG 304-99
67		SS	T461B4401	DDA300SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
68	4"-4"	Al	T563D1101	DDA400ALFL	300	TÜ-AGG 304-99
69		GM	T563D1101	DDA400GMFL	300	TÜ-AGG 304-99
70		SS	T563B4401	DDA400SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
71	6"-6"	Al	T6100B1101	DDA400ALFL	300	TÜ-AGG 304-99
72		SS	T6100B4401	DDA600SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw
73	8"-8"	SS	T8105A4401	DDA800SSFL	360	TÜ-AGG 304-99 Apragaz 0302/P5832/sw

**DDC Tank unit (Adapter) with Flange (TTMA)**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval	
74	2 1/2"-3"	Al	T367D1101	DDA300AL105TTMA	300	TÜ-AGG 304-99
75	3"-3"	Al	T467D1101	DDA300ALTTMA	300	TÜ-AGG 304-99
76	4"-4"	Al	T468D1101	DDA400ALTTMA	300	TÜ-AGG 304-99

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**Aircraft-Pressure refuelling connection (ISO 45), Hose unit, NPT-Thread female**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
77 2½"-2½"	Al	F313B1101B	DAC250AL	150	Stanag 3105
78 2½"-3"	Al	F315B1101B	DAC300AL	150	Stanag 3105

**Aircraft-Pressure refuelling connection (ISO 45), Hose unit, BSP-Thread female**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
79 2½"-2½"	Al	F312B1101B	DAC250ALBSP	150	Stanag 3105
80 2½"-3"	Al	F314B1101B	DAC300ALBSP	150	Stanag 3105

**Aircraft-Pressure refuelling adapter (ISO 45), Tank unit, NPT-Thread female**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
81 2½"-2½"	Al	G313A1401B	DAA250AL	150	Stanag 3105
82 2½"-3"	Al	G315A1401B	DAA300AL	150	Stanag 3105

**Aircraft-Pressure refuelling adapter (ISO 45), Tank unit with flange (ANSI B16.5)**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
83 2½"	Al	G359D1401	DAA250ALFL	150	Stanag 3105
84 3"	Al	G361D1401	DAA300ALFL	150	Stanag 3105



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**DGC Hose unit (Coupler) with NPT-Thread female (ANSI B1.20.1) for LPG**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
85	1"-1"	SS M104A4401	DGC100SS	360	TÜ-AGG 304-99
86	2"-2"	SS M211A4401	DGC200SS	360	TÜ-AGG 304-99
87	3"-3"	SS M415B4401	DGC300SS	360	TÜ-AGG 304-99

**DGC Tank unit (Adapter) with NPT-thread female (ANSI B1.20.1) for LPG**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
88	1"-1"	SS L104A4401	DGA100SS	360	TÜ-AGG 304-99
89	2"-2"	SS L211A4401	DGA200SS	360	TÜ-AGG 304-99
90	3"-3"	SS L415B4401	DGA300SS	360	TÜ-AGG 304-99

**DGC Tank unit (Adapter) with ACME-thread female for LPG**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
91	1"-1 3/4"	SS L1167A4401	DGA100SS175	360	TÜ-AGG 304-99
92	2"-3 1/4"	SS L2169A4401	DGA200SS325	360	TÜ-AGG 304-99

**DGC Tank unit (Adapter) with Flange (ANSI B16.5 class 150) for LPG**

Size	Material	Drawing no	Dixon Ref.	WP [psi]	Approval
93	1"-1"	SS L151A4401	DGA100SSFL	360	TÜ-AGG 304-99
94	2"-2"	SS L257B4401	DGA200SSFL	360	TÜ-AGG 304-99
95	3"-3"	SS L461B4401	DGA300SSFL	360	TÜ-AGG 304-99

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