

	INSPECTION CERTIFICATE According to EN10204 3.1	CERTIFICATE No. 20201241
		DATE 29-09-2020

PURCHASE ORDER DESCRIPTION		
CUSTOMER 285-Metafluidos, Lda.	CUSTOMER ORDER 22745/2020	VINCO ORDER 20200589.1


VALVE DESCRIPTION		
VALVE CODE SF42F025D1D1AFA31 - SF4 DN025 FB CL800 BSP A105N-LF2/CF8M/C-RPTFE LEVER		
VALVE CLASS 800	QUANTITY 4	BATCH NUMBER 2020LF380118001 to 004

MATERIAL CERTIFICATE REPORT				
VALVE PART	TYPE OF MATERIAL	CERTIFICATE No.	HEAT No.	VINCO BATCH No.
BODY (CORPO)	A105N-A350 LF2 cl.1	18-77	123-435	2019LC040023
END (TERMINAL)	A105N-A350 LF2 cl.1	19-130	23-433	2019LC420027
BALL (ESFERA)	A351 CF8M	BT-20190597	2019.05.30-Z650	2019LC390009
STEM (EIXO)	A479 316/L	84226392 900004	017088	2020LC370011

TESTING REPORT				
TEST	STANDARD	TEST PRESSURE [bar]	DURATION [s]	RESULT
HYDROSTATIC SHELL TEST [1.5x]	ASME B16.34 / API 598 / EN12266	205	15	SATISFACTORY
HYDROSTATIC SEAT TEST [1.1x]	ASME B16.34 / API 598 / EN12266	150	15	SATISFACTORY
PNEUMATIC SHELL TEST	ASME B16.34 / API 598 / EN12266	6	15	SATISFACTORY
PNEUMATIC SEAT TEST	ASME B16.34 / API 598 / EN12266	6	15	SATISFACTORY

NON DESTRUCTIVE REPORT				
PMI	PT	MT	UT	RT
-	-	-	-	-

CERTIFICATION NOTES
Valves are in compliance with the requirements of the order
Valves are in compliance with Pressure Equipment Directive (PED) 2014/68/EU
Valves are in compliance with ATEX Directive 2014/34/EU (Group II 2 GD)

QUALITY CONTROL	
VINCO QUALITY CONTROL LUIS ESTEVES 	CUSTOMER / THIRD PARTY

Mod.198.00

Vinco Válvulas S.A.

Rua do Progresso Lote 15

4760-841 Vilarinho das Cambas - PORTUGAL

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www.vincovalves.com

comercial@vincovalves.com

Inspection Certificate

EN 10204 Type 3.1
ASTM A105N / A350 LF2 cl.1

DOCUMENTATION	
Certificate Number:	19-130
Heat Number:	19-74634
Vinco Internal Code:	2019LC420027
Dimension:	50MM

HEAT TREATMENT
Normalized with air cooling

CHEMICAL ANALYSIS [%]										
C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Cb	V
0,23 max.	0,6 1,35	0,035 max.	0,035 max.	0,15 0,3	0,4 max.	0,3 max.	0,12 max.	0,4 max.	0,02 max.	0,08 max.
0,185	0,92	0,012	0,01	0,24	0,06	0,08	0,01	0,2	0,001	0,017
Cu + Ni + Cr + Mo + V \leq 1%			Cr + Mo \leq 0,32%			CE = C + Mn / 6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15 \leq 0,43%				
0,37			0,09			0,38				

MECHANICAL PROPERTIES					
Tensile Strength [MPa]	Yield Strength [MPa]	A [%]	Z [%]	Hardness [HB]	Impact Test (-46°C) [J]
485 655	250 min.	22 min.	30 min.	137 187	27 single/average min.
510	316	32,8	57,1	155	57 54,2 60,4 57,2

CRACKING RESISTANCE
Material in compliance with requirements of ANSI/NACE MR0175 and ISO 15156

This document is a copy of the original raw material certificate. Este documento é cópia integral do certificado original da matéria-prima.

MDS.0040.IC.R00 / MDS.0040.R00

Inspection Certificate

EN 10204 Type 3.1
ASTM A351 J92900 CF8M

DOCUMENTATION	
Certificate Number:	BT-20190597
Dimension:	BALL Ø43x25,4

HEAT TREATMENT
Annealed (min. 1040°C) and quenched in water

CHEMICAL ANALYSIS [%]								
Heat N°	C	Mn	Si	S	P	Cr	Ni	Mo
	0,08 max.	1,5 max.	1,5 max.	0,04 max.	0,04 max.	18 21	9 12	2 3
2019.05.30-Z650	0,038	0,894	0,569	0,004	0,028	18,477	9,201	2,195

MECHANICAL PROPERTIES				
Heat N°	Tensile Strength [MPa]	Yield Strength [MPa]	Elongation [%]	Hardness [HB]
	485 min.	205 min.	30 min.	238 max.
2019.05.30-Z650	538	245	57	172

CRACKING RESISTANCE
Material in compliance with requirements of ANSI/NACE MR0175 and ISO 15156

This document is a copy of the original raw material certificate. Este documento é cópia integral do certificado original da matéria-prima.

MDS.1170.IC.R00 / MDS.1170.R00

Inspection Certificate

EN 10204 Type 3.1
ASTM A479 S31600-S31603 316-316L

DOCUMENTATION	
Certificate Number:	84226392 900004
Heat Number:	017088
Vinco Batch Number:	2020LC370011
Dimension:	18 MM

HEAT TREATMENT
Annealed (min. 1040°C) and quenched in water or air (max. 260°C)

CHEMICAL ANALYSIS [%]							
C	Mn	P	S	Si	Ni	Cr	Mo
0,03 max.	2 max.	0,045 max.	0,03 max.	1 max.	10 14	16 18	2 3
0,016	1,38	0,0302	0,0271	0,549	10,118	16,775	2,077

MECHANICAL PROPERTIES				
Tensile Strength [MPa]	Yield Strength [MPa]	A [%]	Z [%]	Hardness [HB]
515 min.	300 min.	30 min.	40 min.	238 max.
702	529	38	72	196

CRACKING RESISTANCE
Material in compliance with requirements of ANSI/NACE MR0175 and ISO 15156

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MDS.1010.IC.R02 / MDS.1010.R02



Appareil non électrique destiné à être utilisé en atmosphères explosibles
Non electrical equipment intended for use in potentially explosive atmospheres
Nicht-elektrisches Gerät zur Verwendung in explosionsgefährdeten Bereichen

Directive 2014/34/UE
Directive 2014/34/EU / Richtlinie 2014/34/EU

ACCUSÉ DE RECEPTION D'UN DOSSIER TECHNIQUE
ACKNOWLEDGE RECEIPT OF TECHNICAL DOCUMENTATION
EMPFANGSBESTÄTIGUNG EINES TECHNISCHEN UNTERLAGEN

Appareil / Equipment / Gerät :

SOFT SEATED THREE PIECES BALL VALVES

Type(s) / Type(s) / Typ(en) : **SERIE S (SF and SD)**

Marquage / Marking / Kennzeichnung :



Dépositaire / Applicant / Antragsteller :

VINCO VÁLVULAS, S.A.

Rua do Progresso, Lote 15-18

P- 4760-841 Vilarinho das Cambas

L'INERIS, organisme notifié et identifié sous le numéro 0080, conformément aux articles 17 et 21 de la Directive du Conseil 2014/34/UE du 26 février 2014, accuse réception du dossier conformément à la procédure décrite au chapitre 3, article 13 1) b) ii) de la Directive.

La documentation technique référencée :
Dossier Valve SF - n° 19985/07

est consignée sous le numéro d'enregistrement :

n° INERIS-EQEN 019985/17.

Dans le cadre de cet enregistrement, l'INERIS n'a pas examiné le contenu de la documentation technique.

Date de fin de validité :

2027.07.19

INERIS, notified body and identified under number 0080, in accordance with articles 17 and 21 of Council Directive 2014/34/EU of the 26 february 2014, acknowledges receipt of file according to the procedure described chapter 3, article 13 1) b) ii) of the Directive.

The technical documentation referenced :
Dossier Valve SF - n° 19985/07

is consigned under the reference :

no INERIS-EQEN 019985/17.

Within the scope of the recording, INERIS did not examine the contain of the technical documentation.

Validity completion date :

2027.07.19

INERIS, benannte Stelle Nr. 0080 nach Artikeln 17 und 21 der Richtlinie des Rates der Europäischen Gemeinschaften 2014/34/EU vom 26. Februar 2014, bestätigt den Erhalt der Unterlagen gemäß Eingang Kapitel 3 Artikel 13 1) b) ii) von der Richtlinie beschrieben wurde.

Die besagt technische Dokumentation :
Dossier Valve SF - n° 19985/07

wird unter der Buchungsnummer vermerkt :

No INERIS-EQEN 019985/17.

Im Rahmen dieser Registrierung INERIS den Inhalt der technischen Dokumentation nicht eingesehen.

Datum von Gültigkeitsende :

2027.07.19

Verneuil-en-Halatte, le 2017.06.30



Le Directeur Général de
l'INERIS,
Par délégation,

Thierry HOFELX, Chief Executive Officer of
Délégué Certification ATEX INERIS,
Ex Certification Officer By delegation,

Der Generaldirektor der
INERIS,
im Auftrag,

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Institut national de l'environnement industriel et des risques

Etablissement public à caractère industriel et commercial - RCS Compiègne B 381 984 924 - Siret 381 984 921 00019 - APE 7120B - TVA Intracom FR 73 381 984 921



DECLARATION OF CONFORMITY
DECLARAÇÃO DE CONFORMIDADE

Issued in accordance with the

Emitida em conformidade com a

PRESSURE EQUIPMENT DIRECTIVE (PED) 2014/68/EU
DIRETIVA (PED) 2014/68/EU

We hereby declare that in compliance with the above Directive the products supplied by VINCO are manufactured in accordance with safety engineer practices.

Vimos por este meio declarar que os equipamentos mencionados abaixo, em conformidade com a diretiva supra citada, foram fabricados de acordo com as regras de boa prática de engenharia.

Product Description: Ball Valves

Descrição do produto: Válvula de Esfera

TYPE: SF42F025D1D1AFA31

TIPO: SF42F025D1D1AFA31

CATEGORY: SEP (safety engineer practices) in accordance with Article 4 n°3

CATEGORIA: SEP (boas práticas de engenharia) de acordo com o artigo 4 ponto 3

TYPE OF FLUID: Group 1 & 2

TIPO DE FLUIDO: Grupo 1 e 2

SIZES: DN 25 - 1" and below

TAMANHOS: DN 25 - 1" and below

BATCH NUMBER: 2020LF380118001 to 004

NÚMERO LOTE: 2020LF380118001 to 004

Applied standards or technical rules:

Normas ou regulamentos aplicados:

API 6D; ASME B16.34; EN 12266-1



Jorge Rodrigues