



**APPROVAL CERTIFICATE FOR QUALITY ASSURANCE SYSTEM  
OF MATERIAL MANUFACTURING**  
*CERTIFICATION D'APPROBATION DE SYSTEME DE QUALITE POUR LA  
FABRICATION DE MATERIAUX*

**N° CE-PED-MM-VST-001-26-ROM**

BUREAU VERITAS S.A., hereby certifies that the below named material manufacturer has an appropriate Quality Assurance System that has undergone a Specific Assessment for Material according to:

**The European Pressure Equipment Directive 2014/68/EU and its annex 1 §4.3**

*BUREAU VERITAS S.A., certifie que le fabricant de matériaux mentionné ci-dessous a un système d'assurance qualité approprié qui a fait l'objet d'une évaluation spécifique pour les matériaux conformément à :*

***La directive européenne 2014/68/EU et son annexe 1 §4.3***

Manufacturer (name) / Fabricant (nom): **VASTRUM TRANSCOM S.R.L.**

Address / Adresse: **107082, Str. Mihai Eminescu 190, Brazi, Batesti village, Prahova county, Romania**

Identification of material concerned (list attached when necessary): **see Annex**

*Identification des matériaux concernés (liste en annexe le cas échéant) :*

Quality Assurance system approval number: certificate no. 01 100 1334785 issued by TUV Rheinland Cert GmbH on 24.10.2023 (recertification acc. to SR EN ISO 9001:2015), valid until 23.10.2026

*Numéro d'approbation du système d'assurance qualité*

This certificate is valid until: **26.01.2029**

*Cette attestation est valable jusqu'au :*

The approval is conditional upon the surveillance audits, tests and verifications to be carried out by Bureau Veritas S.R.L., as per the provisions stated in the agreement signed by both the manufacturer and Bureau Veritas.

*Le maintien de l'approbation est soumis à la réalisation par Bureau Veritas S.R.L. des audits, essais et vérifications selon le contrat signé par le fabricant et Bureau Veritas.*

This certificate shall be deemed to be void and the manufacturer shall alone bear any consequences pursuant to its use, where the manufacturer fails to comply with his undertakings as per the agreement in respect of implementation of the approved quality system and inspection and tests on the final product.

*Cette attestation est présumée nulle et le fabricant supportera seul les conséquences de son utilisation, si les assurances données par le fabricant lors de la demande d'intervention en matière d'application de son système qualité approuvé, et d'inspection et d'essais des produits finis se révèlent inexactes.*

| Issued at / Etabli à | On / Le    | Signed by / Rédigé par | Checked by / Vérifié par |
|----------------------|------------|------------------------|--------------------------|
| Bucharest (Romania)  | 27.01.2026 | George NITULESCU<br>   | Iosif REBLEANU<br>       |

Registration code / Code d'enregistrement: BUH/IDD/2026/204-002

This certificate is subject to terms of General Conditions of Service attached to the agreement signed by the applicant.

*La présente attestation est soumise aux Conditions Générales de Service jointes à la demande d'intervention signée par le demandeur.*





**BUREAU  
VERITAS**

**Annex to certificate of quality system approval**  
*Annexe à l'attestation d'approbation de système de qualité*

**N° CE-PED-MM-VST-001-26-ROM**

**Identification list of concerned material**  
*Liste d'identification des matériaux concernés*

| Nr. Crt | Kind of Products                                                   | Material Type                                                                                                                                   | Steel Grade        | Standard Codes &       |
|---------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|
| 1       | Steel forgings (Flanges, nozzles, rings, bars, plates, bars, etc.) | Steel forgings for pressure purposes. Ferritic & Martensitic steels with specified elevated temperature properties                              | P245GH             | EN 10222-2+A1 Ed. 2021 |
|         |                                                                    |                                                                                                                                                 | P280GH             |                        |
|         |                                                                    |                                                                                                                                                 | P305GH             |                        |
|         |                                                                    |                                                                                                                                                 | 16Mo3              |                        |
|         |                                                                    |                                                                                                                                                 | 13CrMo4-5          |                        |
|         |                                                                    |                                                                                                                                                 | 11CrMo9-10         |                        |
| 2       | Steel forgings                                                     | Flat products made of steels for pressure purposes. Weldable fine grain steels, normalized                                                      | P275NH             | EN 10028-3:2017        |
|         |                                                                    |                                                                                                                                                 | P275NL1            |                        |
|         |                                                                    |                                                                                                                                                 | P275NL2            |                        |
|         |                                                                    |                                                                                                                                                 | P355N              |                        |
|         |                                                                    |                                                                                                                                                 | P355NH             |                        |
|         |                                                                    |                                                                                                                                                 | P355NL1            |                        |
|         |                                                                    |                                                                                                                                                 | P355NL2            |                        |
|         |                                                                    |                                                                                                                                                 | P460NH             |                        |
|         |                                                                    |                                                                                                                                                 | P460NL1            |                        |
| 3       | Steel forgings (flanges, rings etc.)                               | Steel forgings for pressure purposes. Ferritic & Martensitic & Austenitic & Nickel Alloys steels with specified elevated temperature properties | P245GH             | EN 1092-1:2018         |
|         |                                                                    |                                                                                                                                                 | P280GH             |                        |
|         |                                                                    |                                                                                                                                                 | 16Mo3              |                        |
|         |                                                                    |                                                                                                                                                 | 13CrMo4-5          |                        |
|         |                                                                    |                                                                                                                                                 | 11CrMo9-10         |                        |
|         |                                                                    |                                                                                                                                                 | X11CrMo5-1+NT1     |                        |
|         |                                                                    |                                                                                                                                                 | X16CrMo5-1+NT      |                        |
|         |                                                                    |                                                                                                                                                 | 13MnNi6-3          |                        |
|         |                                                                    |                                                                                                                                                 | X12Ni5             |                        |
|         |                                                                    |                                                                                                                                                 | P285NH             |                        |
|         |                                                                    |                                                                                                                                                 | P285QH             |                        |
|         |                                                                    |                                                                                                                                                 | P355NH             |                        |
|         |                                                                    |                                                                                                                                                 | P355QH1            |                        |
|         |                                                                    |                                                                                                                                                 | X10CrMoVNb9-1      |                        |
|         |                                                                    |                                                                                                                                                 | X2CrNi18-9         |                        |
|         |                                                                    |                                                                                                                                                 | X5CrNi18-10        |                        |
|         |                                                                    |                                                                                                                                                 | X6CrNiTi18-10      |                        |
|         |                                                                    |                                                                                                                                                 | X6CrNiNb18-10      |                        |
|         |                                                                    |                                                                                                                                                 | X2CrNiMo17-12-2    |                        |
|         |                                                                    |                                                                                                                                                 | X2CrNiMo18-14-3    |                        |
|         |                                                                    |                                                                                                                                                 | X5CrNiMo17-12-2    |                        |
|         |                                                                    |                                                                                                                                                 | X6CrNiMoTi17-12-2  |                        |
|         |                                                                    |                                                                                                                                                 | X2CrNiMoN22-5-3    |                        |
|         |                                                                    |                                                                                                                                                 | all material grade | ASTM A/SA182 – 25a     |
|         |                                                                    |                                                                                                                                                 | all material grade | ASTM A/SA105 - 24      |
|         |                                                                    |                                                                                                                                                 | all material grade | ASTM A/SA350 – 24b     |
|         |                                                                    |                                                                                                                                                 | all material grade | ASTM B/SB 366 - 23     |
| 4       | Buttwelding fittings                                               | Steel forgings for pressure purposes. Ferritic & Martensitic & Austenitic steels                                                                | 13CrMo4-5          | EN 10253-2:2021        |
|         |                                                                    |                                                                                                                                                 | 10CrMo9-10         |                        |

|                                                                                                   |                                                                                             |                                                                                                                                                 |                    |                                                                                      |                                               |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------|-----------------------------------------------|
|                                                                                                   |                                                                                             | with specified elevated temperature properties                                                                                                  | X10CrMoVNb9-1      |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 16Mo3              |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | P235GH             |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | P265GH             |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | P265NL             |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | P355N              |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | P355NH             |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | P355NL1            |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | L290NB             |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | L360NB             |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | L415NB             |                                                                                      |                                               |
|                                                                                                   |                                                                                             | Steel forgings for pressure purposes. Ferritic & Martensitic & Austenitic & Nickel Alloys steels with specified elevated temperature properties | X2CrNi18-9         | EN 10253-3:2008 / EN 10253-4:2025                                                    |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X2CrNi19-11        |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X5CrNi18-10        |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X5CrNiMo17-12-2    |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X2CrNiMo17-12-2    |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X6CrNiTi18-10      |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X6CrNiNb18-10      |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X6CrNiMoTi17-12-2  |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X2CrNiMoN22-5-3    |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X1CrNiMoCuN20-18-7 |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X2CrNiMoN25-7-4    |                                                                                      |                                               |
|                                                                                                   |                                                                                             | X2CrNiMoCuWN25-7-4                                                                                                                              |                    |                                                                                      |                                               |
| Steel pipe for pipeline transportation systems                                                    | L360NB                                                                                      | EN ISO 3183:2019                                                                                                                                |                    |                                                                                      |                                               |
|                                                                                                   | L415NB                                                                                      |                                                                                                                                                 |                    |                                                                                      |                                               |
|                                                                                                   | L450NB                                                                                      |                                                                                                                                                 |                    |                                                                                      |                                               |
| Wrought Austenitic Stainless Steel Piping Fittings                                                | all material grade                                                                          | ASTM A403 - 25                                                                                                                                  |                    |                                                                                      |                                               |
| Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service | all material grade                                                                          | ASTM A234 - 25                                                                                                                                  |                    |                                                                                      |                                               |
| Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service               | WPL3                                                                                        | ASTM A420 – 25a                                                                                                                                 |                    |                                                                                      |                                               |
| Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service               | WPL6                                                                                        | ASTM A420 – 24a                                                                                                                                 |                    |                                                                                      |                                               |
| Wrought High-Strength Ferritic Steel Butt-Welding Fittings                                        | grade WP HY 42                                                                              | ASTM A 860 – 25a / MSS-SP75                                                                                                                     |                    |                                                                                      |                                               |
|                                                                                                   | grade WP HY 46                                                                              |                                                                                                                                                 |                    |                                                                                      |                                               |
|                                                                                                   | grade WP HY 50                                                                              |                                                                                                                                                 |                    |                                                                                      |                                               |
|                                                                                                   | grade WP HY 60                                                                              |                                                                                                                                                 |                    |                                                                                      |                                               |
|                                                                                                   | grade WP HY 65                                                                              |                                                                                                                                                 |                    |                                                                                      |                                               |
| 5                                                                                                 | Studbolts, threaded bars, bolts, nuts, washers                                              | Steel forgings for pressure purposes. Ferritic & Martensitic & Austenitic & Nickel Alloys steels with specified elevated temperature properties | 42CrMo4            | EN 10269:2013                                                                        |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 40CrMoV4-6         |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 25CrMo4            |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 21CrMoV5-7         |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 26NiCrMoV14-6      |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X22CrMoV12-1       |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 40CrMoV4-6         | EN ISO 683-2:2018                                                                    |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 26NiCrMoV14-6      |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 42CrMo4            |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | X22CrMoV12-1       |                                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | all material grade |                                                                                      | ASTM A193 – 25                                |
|                                                                                                   |                                                                                             |                                                                                                                                                 | all material grade |                                                                                      | ASTM A194 - 24                                |
|                                                                                                   |                                                                                             |                                                                                                                                                 | all material grade | ASTM A182 – 25a                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | all material grade | ASTM A320 – 24a                                                                      |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | all material grade | ASTM A453 – 17(R2024)                                                                |                                               |
|                                                                                                   |                                                                                             |                                                                                                                                                 | 6                  | Forgings for Piping applications (Flanges, nozzles, rings, bars, plates, bars, etc.) | Carbon Steel Forgings for Piping Applications |
|                                                                                                   |                                                                                             |                                                                                                                                                 |                    |                                                                                      |                                               |
| 7                                                                                                 | Forgings for pressure vessel components (Flanges, nozzles, rings, bars, plates, bars, etc.) | Carbon steel forgings for pressure vessel components                                                                                            | Gr. 1+4            | ASTM A266/A266M - 24<br>SA266/SA266M - 24                                            |                                               |