

POLVALVE

MW120601

BV03 DN350 PN10

IVALTEC REF : CC2901A Databook Rev 01 08/08/2025

Table of contents

- 1. Declaration of conformity
- 2. Datasheet
- 3. IOM
- 4. Materials certificate
- 5. Test certificate



ORIGINAL DECLARATION DE CONFORMITE DECLARATION OF CONFORMITY

DOC-CC2901A EN Version : A 22/05/2025

1. MANUFACTURER

IVALTEC 42 AVENUE DU PROGRES 69680 CHASSIEU FRANCE

2. STATEMENT OF CE CERTIFICATION

IVALTEC certifies, under its sole responsibility, that the below mentioned product(s) is (are) in full accordance with the following legislations/regulations:

- Applicable European Directives: 2014/68/EU PED CAT I
- Applicable Harmonized Standard or Normative documents: 12516-1, EN 12516-2, EN558-1, EN1092-1, EN12266-1.

Where required by the applicable Directive, the appropriate Notified Body has released the relevant CE Type Examination and/or Certificate of Conformity.

3. PRODUCT (EQUIPMENT, COMPONENT OR ASSEMBLY)

A Manufacturer Job: CC2901A B Contract/Order No: MW120601

C Model: IVALDISC BUTTERFLY VALVE BV03 DN350 PN10

D Tag: N/A

E Ref: BV03W10C-33M0350 F Year of Manufacture: 2025

4. SCOPE OF SUPPLY

The IVALDISC BUTTERFLY VALVE BV03 DN350 PN10 is composed by the following subitems that are provided already CE marked by relevant Manufacturer with the relevant CE Declaration of Conformity:

Butterfly valve BV03 DN350 WAFER PN10 – BV03W10C-33M0350

5. APPLICABLE DIRECTIVES TO THE SPECIFIC SCOPE OF SUPPLY

5.1 Pressure Equipment Directive (PED) 2014/68/EU

The item/Assembly identified in this declaration has been subject to

• Conformity Assessment Procedure - Module A of the Directive



ORIGINAL DECLARATION DE CONFORMITE DECLARATION OF CONFORMITY

DOC-CC2901A EN Version : A 22/05/2025

6. USER'S INSTRUCTIONS

The Equipment mentioned above is provided with the User's Instructions in compliance with the requirements of the CE Marking Directives including the Prescriptions to be implemented for residual risks, and in the original language (English) and with the translation in the language of the country in which the Equipment is to be used.

7. AVAILABILITY OF THE TECHNICAL DOCUMENTATION AS PER CE MARKING DIRECTIVES

The Technical Documentation (original) as per CE Marking Directives is available in the office of IVALTEC for inspection by the competent Authority for 10 years from the date of issue of this Declaration. Name and address of the person authorized to compile the technical file are:

Mr CHAMPION Mickael – IVALTEC 42 avenue du progrès 69680 CHASSIEU – France

8. **DOCUMENT CODE**

DOC-CC2845

By the following signature IVALTEC acknowledges that all the above mentioned points are true and legally binding.

Chassieu, le 08/08/2025

M.CHAMPION Mickael Gérant 42 Avenue du Progrès 69660 Chassie Tèl : +33 478241461 / Fax - +33 46617200 SIRET - 752 366 163 00027

TECHNICAL SPECIFICATION: 1 DESIGN CONFORM TO EN 12516-1 / EN 12516-2 2 FACE TO FACE CONFORM TO EN 558-1 SERIES 25 482 956,2 3 CONNECTION CONFORM TO EN 1092-1 PN16 4 TEST AND INSPECTION CONFORM TO EN 12266 -1 Rate A 5 Desp 2014/68/EU - CAT I 19 PNEU normaly closed + Hand wheel 19 4xM20 12 18 Bolt ASTM A193 B7 + STEEL 11 17 Stand CS 10 16 Packing gland ASTM A105 15 Packing bushing ASTM A105 14 Packing Flexible graphite 13 Bushing SS304+ENP 12 SS420 Stem 29 11 Flexible graphite Sealing ring 10 Flexible graphite Sealing ring 9 Pin 420 8 Disc gland ASTM A105 A-A (1:8) 7 Disc ASTM A216 WCB(1.0619) 6 Sealing ring SS304+graphite 5 ASTM A182 F304 Seat 4 Bushing SS304+ENP 3 Lower shaft SS420 2 ASTM A216 WCB(1.0619) Body 1 Cover ASTM A105 N° **DESIGNATION MATERIALS** Project: CC2901 Product Reference: BV03W10C-33M0350 Company's Name: **IVALTEC**

03/06/2025

Date

ABA

Designed by

JCO

Approved by

Origin

Descritpion

Α

Revision

Designation:

DN350 PN10

Triple offset Butterfly Valve

Document Reference: FIT-BV03W10C-33M0350

Document Revision Number:



INSTRUCTION OF USE

Construction 16-25-50-100 bars

Butterfly valves Ultimate performance IVALDISC



Manual of use of ultimate performance butterfly valve IVALDISC

Directive 2014/68/EU

Declaration according to directive 2014/34/UE and directive 2006/42/CE.

IVALTEC

42 avenue du progress 69680 CHASSIEU FRANCE Ultimate performance butterfly valve IVALDISC.

States that IVALDISC valves:

Are designed and manufactured to resist to normal use within the service conditions present in our different communication tools.

- 1. The IVALDISC valves are subjected to pressure under the Directive 2014/68/EU (Pressure Equipment Directive), in accordance with the requirements of this Directive.
- 2. IVALDISC valves should only be used in respect of manual.

Standards

Directive 2014/68/EU (Pressure Equipment Directive)
Product standard EN12516-1 / 12516-2
Dimensions of the body of the valve

Technical description:

IVALTEC's catalog – IVALDISC

Method applicable to check the conformity:

Directive 2014/68/EU, Annex III, Module H

Any changes made to the valve which could affect the technical specifications, improper use and / or each modification which alters the design of the product IVALDISC, invalidate this declaration of IVALTEC.

Foreword

This manual should help the user of ultimate performance butterfly valve IVALDISC for installation, commissioning and maintenance of the valves.

Non-compliance with the instructions and warnings written in this manual can cause hazards and invalidate the warranty IVALTEC.

For further information please contact us.

I. Intended use

Ultimate performance butterfly valves IVALDISC are designed to be used as on/off valves or regulation valves, within the control pressure / temperature eligible *. This kind of butterfly valve is not proposed for fluids with abrasive particles, even small quantities.

* Refer to standard NF EN 12516-1.

In setting on liquids, it is not recommended to use butterfly valves IVALDISC on permanent cavitation (trading cavitation index Kc is 0.35).

In setting on gas, avoid using continuously IVALDISC butterfly valve with absolute downstream pressure is less than half the absolute upstream pressure to avoid permanent supersonic flow.

II. Safety instructions

2.1 General safety instructions

This manual contains safety instructions applicable to valves. Common instructions for installation, operation and maintenance are according to the rules of art intended for industrial valves are not included in this manual.

2.2 Responsability of the user

It is not the responsibility of IVALTEC to check that the user observes the following:

- The valve is designed for being used strictly in accordance with its intended use.
- It is forbidden to use a valve which range pressure / temperature does not match the conditions.
- The choice of materials in contact with the fluid must correspond to the nature and conditions of service of the fluid. It is the responsibility of the user. In any circumstances the responsibility of IVALTEC cannot be held liable.
- In terms of service, or materials of the body, apart from these documents: make a prior request to IVALTEC.

Failure to follow these safety precautions may pose a risk to the health or life of the user of the valves and / or for the installation, operation and maintenance.

2.3 Specific dangers

a) Resistance of the body

Valve bodies are designed to safely support the conditions of pressure and temperature for which they have been designed. Under no circumstances the bodies must support significant additional efforts due to misalignment of piping, non-parallelism with flanges, pipe distension...

The valve is installed, operated and maintained by professionals (qualified and trained staff) of industrial valves. Only qualified staff to pressure conduct system handles and maintains the valves.

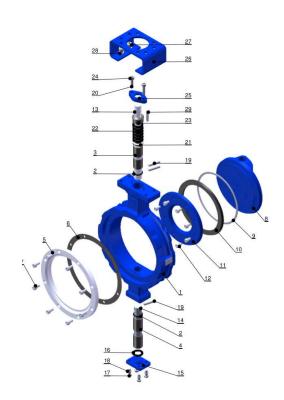
b) General characteristics of the fluids

The continuous speed of the fluid in use is limited to current values (eg. 4m/s for liquids).

The standard operating conditions must be free of vibration, water hammer, cavitation, erosion by steam tempered, and fluids with abrasive particles. Valves, flanges and fittings used in conditions of service temperatures between > 50 ° C to <-20 ° C must be protected against contact with any part of the human body.

2.4 Intervention rules

Nomenclature



| | | | | Material | | | | | |
|----|---------------------------|-----------------|-------------------|--------------|----------------------------|--|--|--|--|
| эр | Designation / Désignation | - 200 à - 20°C | - 20 à 250°C | 250 à 425°C | 425 à 750°C | | | | |
| | | Stainless steel | Carbon steel | Carbon steel | Refractory stainless steel | | | | |
| 1 | BODY | Nota 2 | N | ota 1 | Nota 3 | | | | |
| 2 | Protection | graphite | PTFE | | graphite | | | | |
| 3 | Level | | AISI 316L durci | | Ft Ni-Résist | | | | |
| 4 | Stop level | | AISI 316L durci | | Ft Ni-Résist | | | | |
| 5 | SEAT | | AISI 304 L | | AISI 310 | | | | |
| 6 | Seat ring | graphite | Fibre inorganique | | graphite | | | | |
| 7 | Screw seat | AISI 304 L | С | 18.8 | AISI 310 | | | | |
| 8 | BUTTERFLY | Nota 2 | N | ota 1 | Nota 3 | | | | |
| 9 | Butterflyring | graphite | Fibre inorganique | | graphite | | | | |
| | | | AISI 304 L | | AISI 310 | | | | |
| 10 | LAMELLAR RING | graphite | Fibre inorganique | | graphite | | | | |
| 1 | Counter-ring | AISI 304 L | S235JR | A 42 CP | AISI 310 | | | | |
| 12 | Butterflyscrew | AISI 304 L | С | 18.8 | AISI 310 | | | | |
| 13 | CONTROL'S SHAFT | Nota 5 | N | ota 4 | Nota 6 | | | | |
| 4 | Stop's shaft | Nota 5 | N | ota 4 | Nota 6 | | | | |
| 15 | Cover | Nota 2 | N | ota 1 | Nota 2 | | | | |
| 16 | Cover ring | graphite | Fibre inorganique | | graphite | | | | |
| 7 | Cover screw | AISI 304 L | С | 8.8 | AISI 310 | | | | |
| 8 | Coverwasher | | - | inox | | | | | |
| 19 | PIN | Nota 5 | N | ota 4 | Nota 6 | | | | |
| 20 | Stud PE | AISI 304 L | С | 18.8 | AISI 310 | | | | |
| 21 | Bottom washer PE | | | inox | | | | | |
| 22 | Trim ring PE | graphite | PTFE | | raphite | | | | |
| 23 | Gland PE | | AISI 304 L | AISI 310 | | | | | |
| 24 | Nut PE | AISI 304 L | С | AISI 310 | | | | | |
| ?5 | Flange PE | | AISI 304 L | • | AISI 310 | | | | |
| 26 | Arcade | Tu 42 b | Tu 42 b | | AISI 310 | | | | |
| 27 | Arcade screw | AISI 304 L | С | 18.8 | AISI 310 | | | | |
| 28 | Arcade washer | | | inox | | | | | |
| 29 | Cotter pin | Nota 5 | N | ota 4 | Nota 6 | | | | |

The end of the drive shaft of the valve is sealed by a packing. Before releasing the bolts of the packing, drop all pressure existing on both sides of the line.

Notes:

- If the valve is removed from a pressure line, the fluid can leak uncontrollably. Before removing the
 valve from the line or before removing the packing of the valve body, drop fully and completely the
 pressure and drain the existing pipe.
 - You must open the disk about 5° to 10° to ensure that the pressure in the valve body is zero in both directions.
- Valves mounted in the end of line only, and in particular for hazardous fluids and / or hot, be sure to
 mount a flange or full bung downstream of the valve with rings (materials flanges and gaskets must
 correspond to the use tap water). A safety lock closed position of the valve can or should be put in
 place after installation or operation.
- If the valve in removed or if a portion of the pipe is removed from the pipe (if installing end-of-line): when operating the valve with either a manual actuator or an automatic actuator (pneumatic, hydraulic, spring...) there is a risk of jamming, especially of the fingers or other body parts of the operator between the butterfly and the valve body.

Take all safety measures to remove the energy sources used to supply operating organs before the intervention on the valve.

Only trained and qualified staff in industrial valves may intervene on IVALDISC valve.

Before opening the valve, provide safety measures against fluids projections: risk of projection and chemical attack on environment and on immediate operators.

The fluid can leak uncontrollably. For hazardous or toxic fluids, the piping must be drained and cleaned before disassembling the valve.

2.5 Marking of the valve

Each valve is marked by a plate regarding its service conditions.

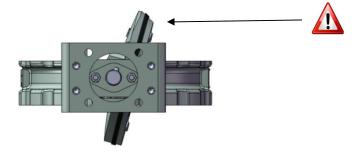
To identify the valve, it is important to refer to the name plate.

The marking of the plate must not be damaged by chemical projections and/or abrasive and must be free from shocks.

For any communication with our after sales service, the indications written on the plate will be required.

III. Transportation and Storage

- Make sure to handle and store valves carefully.
- Carry and store the valve in its protection package until the installation on the pipe.
- Choose an inside storage location, clean, dry and without penetration of abrasive dusts risk in the body of the valve and moving parts.
- Protect especially the metal seat, and all the pieces, or part of pieces that can receive shocks or
- Butterfly valves are delivered in closing position to protect the seat. Avoid operating the handwheel uselessly.
- Bare shaft valves supplied: Transport the valve carefully: the disc can open under gravity effect.



IV. Installation on piping

4.1. General rules

The installation of valves is subjected to the same instructions as industrial valve devices and good practice of connection links of the industrial valve devices.

- A butterfly valve in particular wafer type must be transported and installed with the disc closed, or it can be damaged, and particularly the tightness of the valve.
- The butterfly valve is set in the factory to ensure the tightness.
- The adjustments of line's end stops are ensured in our factory by IVALTEC.
 In case of bare shaft valve order, the user has to check that its operating system ensures the whole butterfly race and that the tightness is perfect.
- If in exceptional cases a butterfly valve must be installed bare shaft, it is imperative not to put the valve under pressure (the butterfly is free at this time). Plan to Install an operating system.
- Nominal torque and adjustment of end stops OPENED and CLOSED must be conformed to the
 characteristics of the valve and working conditions. The failure of this safety measure may create a risk
 for the health of the valve user and / or for installation.
- Examine the valve, its accessories and options before assembly: A damaged valve cannot be installed on the pipe.
- Make sure that the class pressure / temperature, type and size of valve fittings correspond to the ends
 of the pipe. See information on the plate IVALTEC.

It is strictly forbidden to install a valve whose pressure / temperature class does not match the conditions. Range pressure / temperature eligible is specified in the documents, IVALDISC catalog and 12516-1 standard. For a material body or working conditions outside those documents, you have to require the consent of IVALTEC. The non-observance of this safety measure may pose a risk to the health or life of the valve user and / or to installation.



In case of doubt consult IVALTEC

4.2. <u>Butterfly valve – General rules</u>

Make sure to use connection flanges of pipe with those of the valve device to allow a proper cinematic of the butterfly.

There may be no contact between the gasket and the pipe elements (risk of deterioration of the tightness).

• The closing direction is clockwise



- Make sure the disc can be fully handled when opening and closing in the conduct.
- Before installing the butterfly valve, clean the valve and the conduct. Make sure to remove all hard and abrasive particles.
- IVALDISC valves are bidirectional but with a direction of autoclave security following the arrow on the body. To be tight, it is necessary to maintain a closing torque conformed to the service conditions.







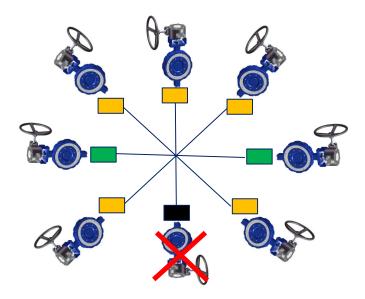
This direction can be opposite to the direction of flow!

IOM-BV03-EN C MANUAL OF USE IVALDISC

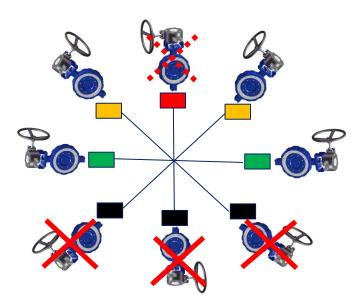
• Installation: IVALDISC valves can be mounted in any positions. The preferred position is assembling the horizontal shaft.



DN smaller ou equal to 300mm:



DN from 350mm:



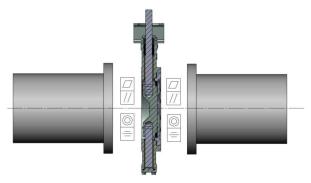
In case of installation with actuators, take into account the recommendations of the motorized accessories manufacturers (breaking risk of the lubricating function in some positions).

IOM-BV03-EN C MANUAL OF USE IVALDISC

- Preferably, when using a gear box actuator, it should not be mounted upside down. Fluid leakage can damage the gear box.
- Automatic or manual actuators must be supported on fixed infrastructure, not to transmit effort not
 provided by the design of IVALDISC valves. Be careful with the weight.
- Follow the dimension table rules, alignment and clamping equipment flanges. Flanges and counter flanges of the valve must be flat, parallel and aligned.

Butterfly valve without flanges (Wafer or Lug)

- To protect the disc, the butterfly valve must be installed between two counter flanges of the disc conduct (almost) closed (no contact with the seat of the body).
- Respect the alignment between the valve body and the axis of the pipe. If necessary, adjust the bolts through the flanges.



- Check the materials and dimensions of the flanges, bolts, nuts and washers respect the fitting torques.
- Do not weld the pipe when the valve is assembled on it.

Any weld intervention on the body free IVALTEC from its responsibility and from the warranty. The welding process shall be as additional constraints do not damage the valve, the temperature does not damage the material and a deformation of the body is avoided: for example, weld with interruption to eliminate local distortion in the valve body. Failure to do so may lead to malfunction of the valve: permanent deformation> 1/10mm in the seat of the body can make a butterfly valve inoperable.

IVALTEC's responsibility can not be held liable in case of manual or automatic accessories adaptation, installation or maintenance not covered by our design department.

V. Hydraulic test of pipe

The valve's hydraulic test is made in the factory by IVALTEC.

The test of a pipe with a valve installed is the responsibility of the installer.



Bleed recently installed conduct and rinse all foreign particles.

- Opened valve: make sure that the pressure doesn't exceed 1.5 x PS (see the plate)

 PS = allowable pressure at 20°C
- Closed valve: make sure that the pressure doesn't exceed 1.1 x PS (see the plate)
 In case of leakage, check the fitting of the packing gland and the installation compliance of the valve on the pipe.

VI. Normal operation and maintenance

- Valves are designed for working conditions determined by IVALTEC: make sure to operate the wheel with normal efforts.
- It is forbidden to use an operating extension to operate the closing or opening of the valve.
- A periodic maintenance is required for the valves.
- It is strongly recommended to operate the valves remaining permanently in the same position every 6 or 12 months.
- The bare shaft valve is not an irreversible mechanical system. Take all the necessary measures for the immobilization of the butterfly.

Do not work on the valve when it is under pressure, and do not dismember the actuator when the pipe is under pressure.

VII. Reminders

In case of failure, respect the following points for the repair:

- The rules of use and maintenance of industrial valves
- The IVALDISC's instructions of use



In case of use of the valve IVALDISC on dangerous fluids:

- The pipe and the valve must be drained,
- The valve must be decontaminated before transportation and intervention,
- Residual fluids must be isolated and treated.

VIII. Maintenance

9.1 Leakage on the packing gland

Retighten the packings



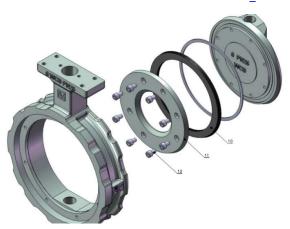
• Change the packings



9.2 Leakage through the valve

· Replacement of the lamelar ring

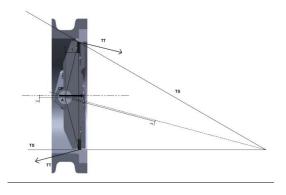
IOM-BV03-EN C MANUAL OF USE IVALDISC



- 1. Unlock and remove the screws 12
- 2. Remove the counter ring 11
- 3. Remove the ring 10
- 4. Replace the ring 10
- 5. Control that it is facing the point of reference
- 6. Make kinematic and tightness tests
- 7. Finish to fit the screws 12

A particular attention will be given to the adjustment of the tightness between the body and the ring. Contact IVALTEC or industrial valve professionals.

• Adjustment of the geometry



IVALTEC declines any responsibility in case of mounting non-compliance.

9.3 Cinematic blockage

• Control of flange environnement





A particular attention will be given to the connection parts of the valve. The use of unsuitable pieces can prevent the butterfly move and damage the butterfly ring.

IVALTEC declines any responsibility in case of mounting non-compliance.

• Control of actuating torque



Respect interfaces and torques of the actuators which can be adapted on IVALDISC.

IVALTEC declines any responsibility in case of mounting non-compliance.

• Control of the corrosion



Conduct regular checks to ensure proper corrosion of the butterfly and internal pieces.

Replacement of shaft rings and levels



IX. WARRANTY

The Supplier's liability will be incurred only for damage which he is directly responsible to the exclusion of any indirect and / or intangible damages, such as, but not limited to, operating loss, loss of credit, loss of image, and without any commitment to solidarity with third parties that contributed to the damage. In addition, the direct damage caused to the Customer for which the Supplier is found liable, is limited to the amount received under the contract of sale. Products delivered by the Supplier are warranted for a period of 12 months in the Supplier's workshop from the date of delivery. Other warranty duration must be stated expressly in the order confirmation by the Supplier. Supplier warrants in accordance with the law, the Customer against defects, from a defect in material, design or manufacture affecting the delivered products and making them unfit for use. All warranties are excluded in case of misuse, neglect, improper maintenance or modification of the Customer as for normal wear or force majeure. The Supplier will replace or repair the product or parts found to be defective under warranty. To implement this warranty, Customer must notify the Supplier in writing of the defects attributed to the product and provide necessary justification. The warranty does not cover travel expenses, transportation or shipment of products to the workshops of the Supplier and the cost of removing and refitting such as handling charges. Replacement of defective products or parts will not have the effect of extending the duration of the warranty set out above. The obligation of the Supplier shall not apply in case of vice either from materials provided by Customer or a design imposed by the latter.



Certificat de réception 3.1 / Inspection Certificate 3.1 (EN 10204 : 2005)

| Client: | POLVALVE |
|--------------------|----------------|
| Client Ref: | MW120601 |
| Our Internal Ref : | CC2901A |
| Nº Certificat: | CERM-CC2901A_A |
| N° Origine: | CC2901A |

Caractéristiques mécaniques / Mechanical properties

Résistance élastique /

Résistance

| | | | Compositio | n chimique | / Chemical | analysis (% |) | | | | | | | | | | Tensile strength | Y | ield strengt | ĥ | Elongation | of area | нв | | | Resili | ency | | |
|------------------------------|-----------------------------|--------------------------------------|------------|------------|------------|-------------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---------------------|--------|--------------|--------|------------|---------|-----|------|------|--------|---------|-------|---|
| N° de coulée /Heat number | Désignation/Design ation | Norme du matériau Material Std | с | Si | Mn | P | s | Cr | Ni | Мо | Cu | v | CE | * | * | * | Rm (N/mm² = Mpa) | Rp 0,1 | Rp 0,2 | Rp 1,0 | A (%) | (%) | - | | к | V (J) | | Temp. | HEAT TREATMENT |
| | | | | | | | | | | | | | | | | | | | | | | | | IT 1 | IT 2 | IT 3 | Average | | |
| H00247 | BODY BV03 DN350 x2pcs | 1.0619 | 0,182 | 0,369 | 0,869 | 0,027 | 0,014 | 0,128 | 0,065 | 0,037 | 0,021 | 0,008 | 0,367 | - | - | - | 511 | - | 316 | - | 28 | 46 | 155 | 42 | 51 | 47 | 47 | -29 | |
| H00247 | DISC BV03 DN350 x2pcs | 1.0619 | 0,183 | 0,392 | 0,880 | 0,015 | 0,011 | 0,059 | 0,036 | 0,008 | 0,021 | 0,002 | 0,347 | - | ı | - | 505 | - | 307 | - | 32 | 53 | 155 | 53 | 40 | 46 | 46 | -29 | Normalize-heates to 920°C, keep for 3 hours and air cooled |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Ren | 22 | ~ | |
|-----|----|---|--|
| | | | |

Visual inspection: Accepted according to MSS-SP 55

We certify that the above material has been manufactured and processed according to requirement of the above P.O.

| Contrôle visuel / Visual inspection According MSS SP 55 | SATISFACTORY |
|--|--------------|
|--|--------------|

| CONTRÔLE | CONTRÔLE SERVICE QUALITE / QUALITY DEPARTMENT CONTROL | | | | | | | | | | |
|--------------|---|--------|---|--|--|--|--|--|--|--|--|
| Nom / Name : | JCO | Visa : | IVALTEC | | | | | | | | |
| Date : | 08/08/2025 | | 42 Avenue du Progrès 69680 Cyfasileu Të: +33 478241461 F.Jaz , 433 3961 72004 SIRET_ +782 365 1/3 90027 info@ivaltec.fr www.ivaltec.fr | | | | | | | | |

Résilience /



CERTIFICAT TEST

VALVE TEST CERTIFICATE

N° Certificat / Certificate N°:
CERH-CC2901A_A

| CLIENT: | POLVAL | VE | C | LIENT REF: | | MW120601 | OUR INTERNAL REF | : CC2901A | |
|------------------|--------|-----|-----|--------------|-----------|---------------------------------|--|----------------------------------|--|
| PRODUCT REF | Tag N° | DN | QTY | Body heat N° | Disc Heat | Resting Std | Testing media / Pressure (barg) / Duration (sec) | Result | |
| BV03W10C-33M0350 | - | 350 | 2 | H0247 | H00247 | EN12266-1 Shell test | Water / 15 /300 | No visible leakage | |
| | | | | | | EN12266-1 pressure Tightness | Water / 11 /120 | No visible leakage Both sides | |

Manometer: RS6386

OPERATING TEST

| SI ERATINO IESI | | | | | | | | | |
|------------------------------|--------------|--------------|--|--|--|--|--|--|--|
| | Result | Control rate | | | | | | | |
| Operating Test Open/Close | SATISFACTORY | 100% | | | | | | | |

QUALITY DEPARTMENT