



# VAMEIN COMPANY PROFILE

JULY 2023

# SUMMARY



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3. STANDARD MANUFACTURING RANGE
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# ABOUT VAMEIN DE ESPAÑA S.A.

# About us



- VAMEIN DE ESPAÑA, S.A. was founded in 1970 by Mr. Aurelio Almodóvar.
- Family owned company for over 50 years.
- Designs and Manufactures of butterfly valves and actuators.
- Capacity to manufacture more than 60,000 valves per year.
- Location:

Industrial park of Tres Cantos - Madrid - Spain.



# GENERAL DESCRIPTION OF METAL BUTTERFLY VALVES

# Butterfly valves features

A butterfly valve is a type of flow control device, typically used to regulate a fluid flowing through a section of pipe. A flat circular plate (Disc) is positioned in the center of the pipe. The plate has a rod (Shaft) through it connected to an actuator on the outside of the valve. Rotating the actuator turns the plate either parallel or perpendicular to the flow. Unlike a ball valve, the plate is always present within the flow, therefore a pressure drop is always induced in the flow regardless of valve position. **Only two components are in contact with the fluid: disc and seat.**

A butterfly valve is from a family of valves called quarter turn valves. The “butterfly” is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows unrestricted passage. The valve may also be opened incrementally to regulate flow.

Butterfly valves are of robust design, light weight and volume, and very effective on isolating lines for its quick and safe operation.



# Butterfly valves features

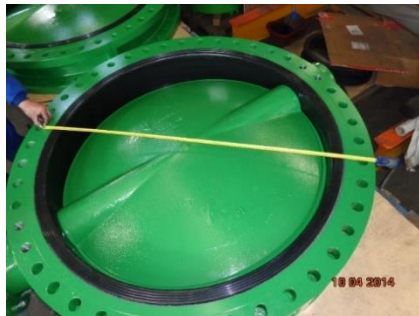


Our product range covers an extensive range and diameters in a wide range of materials to suit most process-media, suitable for either ON/OFF and control applications.

Our product range cover diameters from **DN50** up to **DN1200 (2" up to 48")** in standard execution. Nominal pressures up to **16 bar (225 psi)** in accordance with DIN, ISO, BS, ANSI, API, BS and JIS. Standard working temperature from **-15°C to +100°C** and higher depending on seat version.

The standard valve is a resilient seated used in non-corrosive and moderately corrosive applications.

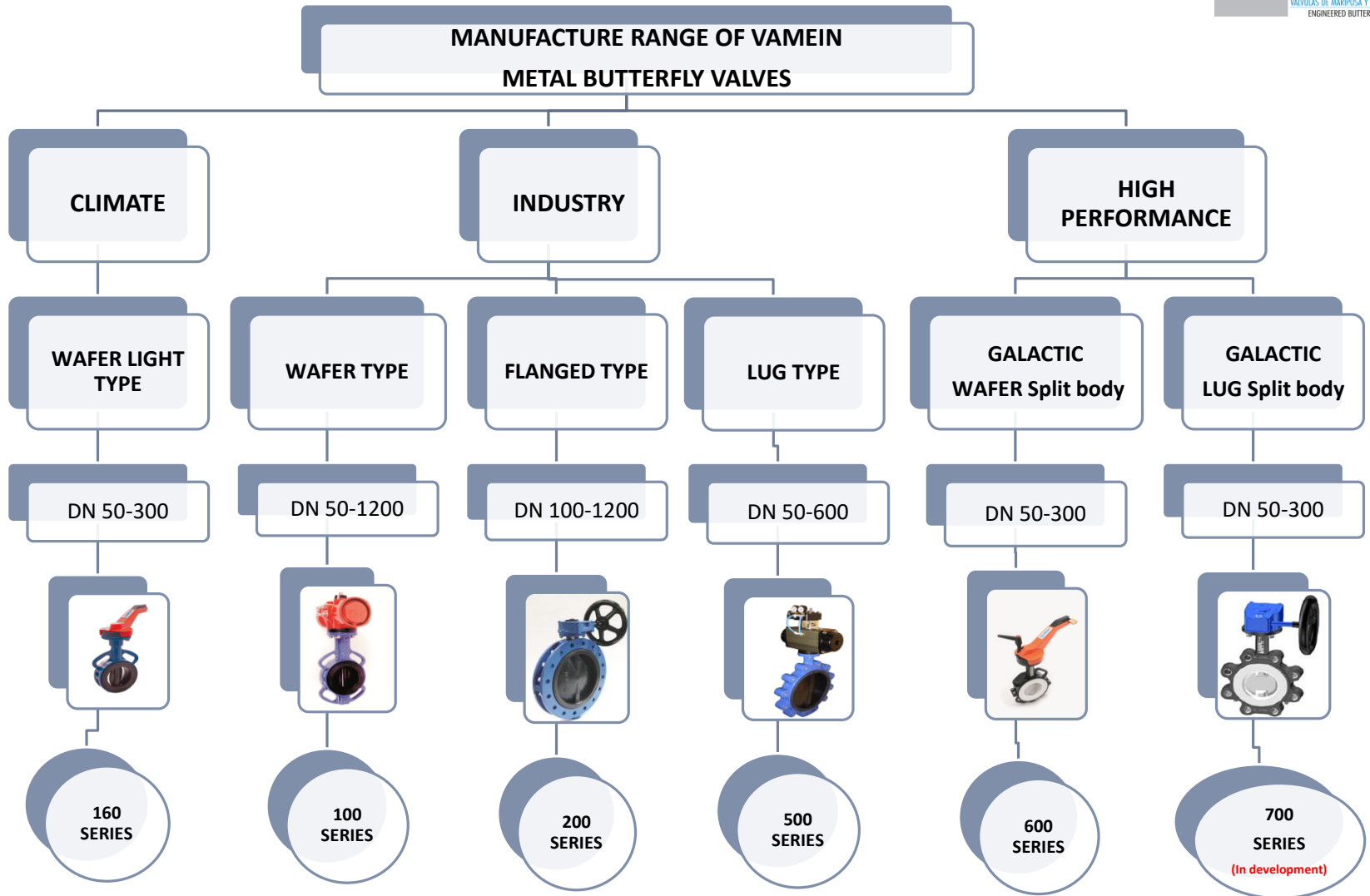
The GALACTIC series is a fully PTFE Teflon® lined valve used in the most aggressive and corrosive applications.



# STANDARD MANUFACTURING RANGE



# Standard manufacture range



# Climate Series

## Wafer Light Type: SERIE 160

The metal butterfly valves Serie 160 can be used universally as shut-off or control valves. The easy installation of the valve between pipe flanges warrants dependable operation and sealing. The aluminum valve body of the Serie 160 means that it is lightweight, a special advantage in transport and installation. The butterfly valves are equipped for manual operation with a hand lever or gears; they are, however also available with electric or pneumatic actuators. Retrofitting is possible at any time, even for built-in valves.

Dimension range: **DN50-300 / 2"-12"**  
Body: **Aluminium EN AC-46000 Rilsan® coated**  
Standard working pressure: **16 bar (DN50-300)**  
Temperature range: **-10 °C to +120 °C**

### Fields of Application:

- ✓ Water treatment
- ✓ **Marine market (DNV-GL TA)**
- ✓ Irrigation systems
- ✓ Swimming pools
- ✓ Agriculture
- ✓ Aquatic parks and aquariums
- ✓ HVAC (Heat , Ventilation, and Air Conditioning)



Light wafer Serie 160



# Industrial Series

## Wafer/LUG Type: SERIE 100/500



The metal butterfly valves Series 100/500 can be used universally as shut-off or control valves. The easy installation of the valve between pipe flanges warrants dependable operation and sealing.

Rilsan® coating up to **DN300 (12")** of the valve body and disc in ductile iron, provide corrosion protection **category C5-M**. These butterfly valves are also available in a standard version with a stainless steel (**CF8M**) or aluminum bronze (**C95800**) valve disc.

The butterfly valves are equipped for manual operation with a hand lever or gears; they are, however also available with electric or pneumatic actuators. Retrofitting is possible at any time, even for built-in valves.

Dimension range:

- ✓ Serie 500 DN 50-600 / 2"- 24"
- ✓ Serie 100 DN 50-1200 / 2"- 48"

Body: Ductile iron ASTM A395 Gr. 60-40-18

Standard working pressure:

- ✓ **16 bar (DN50-1200)**

Temperature range:

- ✓ **-15°C to +100°C depending on the seat version**
- ✓ **up to +80 °C at valve disc, Rilsan® coated**



Lug Serie 500



Wafer Serie 100

Fields of Application:

- ✓ Water treatment and distribution
- ✓ Chemical industry
- ✓ Petrochemical plants
- ✓ Food industry
- ✓ Power/ Hydro electrical/ Nuclear plants
- ✓ Automotive industry
- ✓ Pharmaceutical
- ✓ Paper and pulp industry
- ✓ Marine market
- ✓ Gas distribution
- ✓ HVAC
- ✓ Mining & Cement



# Industrial Series

## Flanged Type: SERIE 200



The flanged type is a one piece body design with flanges to suit all standards (DIN, ANSI, BS, etc.). It also provides dead-end services capability with down stream piping removed.

Its robust design makes it suitable for any application that requires a double flanged valve. It is used in industries fields as water treatment plants, pump stations, filtration systems, shipbuilding industry, etc.

Rilsan® coating up to **DN300 (12")** of the valve body and disc in ductile iron, provide corrosion protection **category C5-M**. These butterfly valves are also available in a standard version with a stainless steel (**CF8M**) or aluminum bronze (**C95800**) valve disc.

The butterfly valves are equipped for manual operation with a hand lever or gears; they are, however also available with electric or pneumatic actuators. Retrofitting is possible at any time, even for built-in valves.

Dimension range:

✓ **DN 100-1200 / 4"- 48"**

Drilling Standard: **DIN PN 10/16, ANSI 125/150 Lbs**

Body: **Ductile iron ASTM A395 Gr. 60-40-18**

Standard working pressure:

✓ **16 bar (DN100-1200)**

Temperature range:

✓ **-15°C to +100°C depending on the seat version**

✓ **up to +80 °C at valve disc, Rilsan® coated**



**Flanged Serie 200**



**DN900 AUMA actuated**



**DN800 ASME B16.47.150 #. SERIE B**



# High Performance Series

## PTFE lined Wafer Type: SERIE 600

This type of BuV design with PTFE liner and different disc-shaft single piece executions like stainless steel 1.4542 (17-4PH) without coating, and disc-shafts with PFA coating is the optimum against highly aggressive substances such as chlorine, hydrogen fluoride and sulphuric acid.

Dimension range:

✓ **Serie 600 DN 50-300 / 2"-12"**

Drilling Standard: **Multiflanged DIN PN 10/16, ANSI 125/150 Lbs**

Body: **Investment casting Carbon Steel ASTM A216 Gr. WCB cataphoresis coated.**

Shaft/Disc: **17-4PH uncoated (ref 621T) and 17-4PH PFA coated (ref 622T)**

Standard working pressure:

✓ **16 bar (DN50-150)**

✓ **10 bar (DN200-300)**

Temperature range:

✓ **-30°C to +150°C depending on the working pressure.**

Fields of Application:

- ✓ Chemical industry
- ✓ Petrochemical
- ✓ Pharmaceutical
- ✓ Pulp and paper
- ✓ Food industry
- ✓ Cosmetic industry
- ✓ Microelectronics
- ✓ Semi-conductor (UPW)

Quality Certificates:

- ✓ The Teflon® used is in compliance with FDA 21 CFR 177.1550 and (EU) No. 10/2011
- ✓ Directives 2014/68/EU (PED) and 2014/34/EU (ATEX)



SERIE 621T



Spring return actuated



SERIE 622T



# High Performance Series

## PTFE lined Wafer Type: SERIE 600



When the project require a very reliable product for the most demanding applications as: semiconductor, pharmaceutical and food/beverages business, among others, we offer our high Quality and International approved PTFE seated butterfly valve. Manufactured in our own facilities in Madrid, 100% Made in Spain.

Special features:

- One single piece, blow out proof disc-shaft made of **martensitic precipitation hardened stainless steel grade 17-4PH (high strength and hardness material)**.
- Backliner piece to protect the hard liner (PTFE) against the edge of the disc. Available in wide range of chemical resistance materials as: silicone and Viton®.
- Full tightness (**Zero Leakage**) according to International standards ISO 5208 and API 598, tested in our facilities with water and air.
- Two packages for primary and secondary shaft sealing.
- Perfect mechanical fixation between the PFA and disc thanks to the disc's holes that allow to PFA be overmoulded.
- PFA overmoulded partially along the shaft increasing the corrosion protection together with the collar of the liner.



Series 700 Prototype for clean rooms



Series 600/700 for high purity processes



17-4 PH PFA overmoulded shaft/disc single piece

# High Performance Series

## PTFE lined Wafer Type: SERIE 600



### **PTFE seats manufactured by Isostatic Moulding.**

Reason: In case of compression moulding the pressure acts only in linear direction and does not provide enough pressure for the compactness of the material. Material moulded under compression is pervious and will permeate more, providing lower corrosion resistance.

In Isostatic Moulding PTFE is moulded under very high pressure and pressure is applied on the components from all direction making component very compact and impervious and thus **provides better corrosion resistance.**

Regarding raw materials used:

Our virgin PTFE seats are used is made from grade 807 NX of Chemours and PFA lining provided on the disc is of Dyneon. These are one of the expensive materials used by us which provides excellent thermal resistance, corrosion resistance and also has very good mechanical properties in terms of molecular weight, Tensile and Elongation properties, hardness etc.

### *Maximum protection on bodies with Nyflon®*

Nyflon® is a co-deposit of electroless nickel and PTFE (Teflon©) that is applied in a 20 microns layer on the bodies substrate to provide it with high lubricity and anti-adhesion. **Nyflon® provides exceptional corrosion resistance due to the high phosphorous Ni base coat and the hydrophobic nature of the PTFE co-deposit.**



**DN100 Nyflon® coated body**

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# FEATURES OF VAMEIN CONCENTRIC DESIGN METAL BUTTERFLY VALVES



# Why us?



The butterfly valve made by VAMEIN DE ESPAÑA, S.A. has all the advantages of these types of valves as well as a full warranty for the user as it is manufactured abiding the most strict quality standards and top quality raw materials majority **cast in Spain and Europe**.

## ★ Our company:

- We are a factory with more than 50 years history
- Products : Metal Butterfly Valves
- Certificates : ISO/ PED/ ATEX/ TYPE APPROVAL/ DVGW/ ACS
- Supply projects: drinking water, food, mining, irrigation, swimming pools, aggregates, pharmacy, chemical, petrochemical, HVAC for industry and nuclear sectors, naval defense, ship buildings, data centers, among others.

## ★ Cooperation Ways:

- OEM Production (With your logo, nameplate)
- Project Support (We give project authorization letter to support your tenders)

## ★ Our Strengths:

- Total and permanent watertightness up to 16 bar for all sizes up to DN1200 48”.
- Due to the design with no pins, screws or keys and narrow machining tolerances of its components all parts of the valve are interchangeable.
- Extreme low and constant operating torque.
- Anti Blow-out proof shaft by retention bushing.
- Shaft end by square according to ISO 5211.
- Rilsan coated body (Polyamide 11) with thickness minimum 200 µm and corrosion protection category C5-M according to ISO 12944.
- Potable EPDM formula ACS (France) approved as standard for all sizes.
- All Valves tested in house according to ISO 5208 (EN 12266-1) Zero Leakage.
- Individual vacuum packaging up to DN300 12”, with external label including serial number, construction materials, working conditions, etc.
- Total traceability of all valve components.
- Have huge stocks with best delivery time.

# STANDARD MATERIALS

# Standard materials for rubber seated valves

- ✓ **BODY:**  
Ductile Iron A395 / Aluminium Gr. AC46000.
- ✓ **DISC:**  
Ductile Iron A395 / Stainless Steel Gr. CF8M / Aluminium Bronze Gr. C95800.
- ✓ **SHAFT:**  
Stainless Steel AISI 420 / AISI 316.
- ✓ **SEAT:**  
Potable EPDM / High Temperature EPDM / Anti-abrasive Natural Rubber / NBR / Hypalon / Silicone / Viton / DVGW EPDM .
- ✓ **SPECIAL MATERIALS ON REQUEST** (non-exhaustive list):  
**Bodies:** Carbon Steel Gr. WCB / Stainless Steel CF8M / Aluminium Bronze Gr. C95800.  
**Discs:** Super Duplex A995 Gr. 5 A (CE3MN) / Hastelloy C / Super Austenitic Gr. CN3MN.  
**Shafts:** Stainless Steel 904L / 316L / Monel K-500 / Titanium Gr. 2.



DN80 CF8M Body/Disc – Viton Seat



DN150 WCB Body – CE3MN Discs



DN80 C95800 Body – Hastelloy C Disc



DN300 White NBR seated valve



DN600 Red Silicone seated valve

# Valve actuators



## ✓ MANUAL

- Lever
- Gearbox



## ✓ ELECTRIC

- 1-phase motor
- 3-phase motor

## ✓ PNEUMATIC

- Double acting
- Spring return

## ✓ HYDRAULIC

- Double-acting
- Single-acting

## ✓ SPECIAL EXECUTION

- Operating column
- Extension spindle
- Chain wheel



# COATINGS

# Coatings

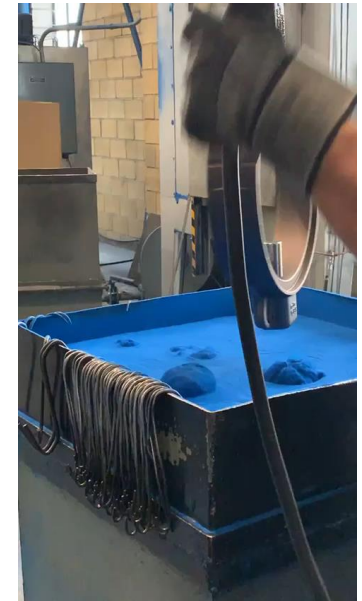
## ✓ BODIES:

- **DN50-300:** The body is coated (min. 200 µm) with RILSAN® (**Polyamide 11**). Blue colour RAL 5005.
- **From DN350:** The body is painted (min. 120 µm) with Epoxy. Blue colour RAL 5005.

Blue colour



Rilsan coating



Rilsan coating video

## ✓ DISCS:

- **DN50-300:** Coated (min. 200 µm) with RILSAN® (**Polyamide 11**). Black colour RAL 9011.
- **From DN350:** Epoxy painted (min. 120 µm) . Black colour RAL 9011.



Primer coating



Final epoxy coating



DN800 Epoxy painted body and disc

# Rilsan (polyamide 11) coating



September 17, 2015

Subject: Corrosion resistance of Rilsan® coating system

Based on our understanding, tests and evaluations of Rilsan® coating system <sup>(1)</sup> till date, we hereby confirm that Rilsan® coating system <sup>(1)</sup> should exhibit a good corrosion resistance.

Submitted to salt spray according to the norm ISO 12944, Rilsan® coating system <sup>(1)</sup> exhibits no blistering, no rust, no cracking nor flaking. The adhesion of the coating measured according Arkema's internal method is excellent (3.5 - 4, which corresponds to a value >5MPa according to the ISO 4624, adhesion method mentioned in the ISO 12944) and remained excellent after salt spray ageing.

So Rilsan® coating system <sup>(1)</sup> should be compliant with the corrosivity category C5-M, high durability class.

<sup>(1)</sup> the following Rilsan® coating systems have been evaluated:

Primgreen® LAT 12035	Rilsan® T white 1488 AC
Primgreen® LAT 12035	Rilsan® T black 7450 AC
Primgreen® LAT 12035	Rilsan® T grey 5161 MAC
Primgreen® LAT 12035	Rilsan® T blue 7443 MAC

These properties can be achieved only if the pre-treatment and coating procedures are conducted following Arkema recommendations (given as a separate document).

Please do not hesitate to contact us if further clarification is needed.

With our best regards,

Jean-Yves LOZE

Rilsan® Fine Powders Market Development

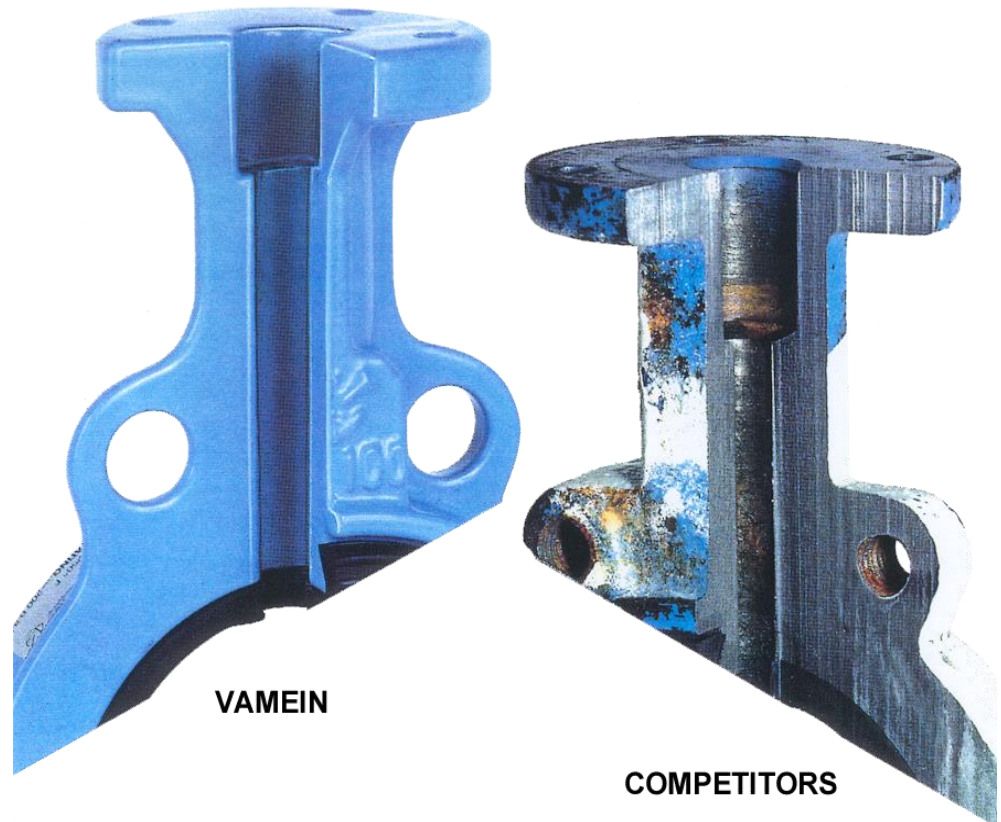
The information contained in this document is based on trials carried out by our Research Centres and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment.

No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.

ARKEMA  
CERDATO - SRDP  
27470 Serquigny - France

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Société anonyme au capital de 604 538 230 euros  
319 632 790 RCS Nanterre - TVA FR 32 319 632 790

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VAMEIN

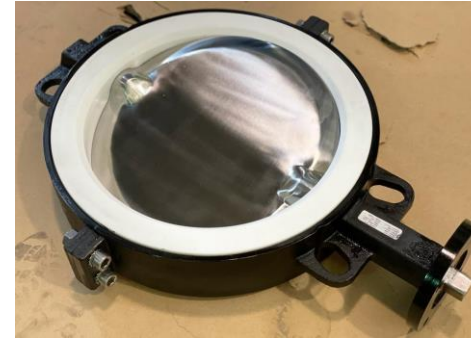
COMPETITORS

# SPECIAL EXECUTIONS



## Special executions (upon request)

- ✓ Seat bonded to the body for vacuum service.
- ✓ Silicon free valve.
- ✓ Mirror polished stainless steel disc.
- ✓ Undercut disc to lower the torque.
- ✓ Special square shaft end dimension for DN350 and bigger sizes.
- ✓ Special painting according to the specifications of the Customer.
- ✓ Disc special coatings (Cataphoresis, Chromium & Nickel plated, Halar® ECTFE).



Galactic valve DN250 with 17-4PH  
Mirror polished disc



DN200 Halar coated disc



DN350 Halar coated disc



Painting system  
AFNOR 466



DN400 Super Duplex  
Rlsan coated disc



DN250 CF8M Mirror  
polished disc

# QUALITY: KEY TO SUCCESS

# Quality: Key to success



✓ In order to have full control over our product, **VAMEIN manufactures in its own facilities the main components of the butterfly valves.** For this we have the most modern manufacturing machines and CNC that allow consistent quality and accuracy. The assembly of the various components is done by highly experienced and leak testing machines are made in benches. So the whole process can **GUARANTEE valve – MANUFACTURING - ASSEMBLY - TESTS**, overseen by a system of quality assurance in accordance with the highest standards.

Current certificates:

- Quality Systems EN ISO 9001:2015
- PED 2014/68/EU
- ATEX 2014/34/EU
- DNV GL Type Approval
- Drinking water:
  - ACS
  - DVGW



ISO 5208 Leakage test bench



Component traceability



Individual packaging

✓ **Quality identification materials: each body, disc and liner is identified with its code number to have a perfect quality traceability of the materials used for their production.** Thus with the Heath Number our Quality Assurance Department obtain a perfect traceability of the quality of materials, enabling them to know at any time the chemical composition and mechanical properties.

 www.vamein.com	<b>Code:</b> 515V	<b>Body:</b> A395
	<b>Size:</b> DN350	<b>Disc:</b> CF8M
	<b>Max. Press.:</b> 150Lbs	<b>Shaft:</b> 1.4021
	<b>Serial:</b> 21/0766	<b>Liner:</b> VITON

Plastic bag label

✓ **Descriptive label on both the valve body and plastic bag**, including maximum pressure, temperature range, body, disc, shaft and seat materials, serial number and year of manufacture.

 www.vamein.com	CE 0094	<b>FLANGE:</b> ANSI 150
	<b>BODY:</b> A395	<b>MAX.PRESS:</b> 150Lbs
	<b>DISC:</b> CF8M	<b>TEMP.:</b> -20°C+150°C
	<b>SEAT:</b> VITON	<b>CODE:</b> 515V
	<b>SHAFT:</b> 1.4021	<b>SERIAL:</b> 21/0766
		<b>YEAR:</b> 2021

Body valve label made in high performance PVC

**Individual heat shrink wrap packaging up to DN300.**

# Quality: Example of Certificates we can provide



Vamein de España, S.A. C/ Temple Nº 1, Tres Cantos. MADRID 28780 Telf. 91 803 45 17 Fax. 91 803 57 69		<b>CERTIFICADO DE PRUEBAS DE INSPECCION SEGUN TESTS INSPECTION CERTIFICATE AS PER EN 10204 3.1</b>		Nº / Nº: CPE21/0882 Página / Page: 1 of 1 Fecha / Date: 20.12.21	
<b>REFERENCIAS / REFERENCES</b> Cliente / Customer: [Redacted] Pedido Nº / Order Nº: C21-007587 Nº Ref / Our Ref.: CPE21/0882 Albarán Nº / Delivery note Nº: CAL21/0655					
<b>VALVULAS PROBADAS / TESTED VALVES</b>					
Pos. Item	Cant. Qty	D.N. mm in	Código válvula Valve code	Material / Material	Norma de bridas Flange standard
01	40	80	3	117PE 0080	EN 1052-2/PN16
02	10	100	4	117PE 0100	EN 1052-2/PN16
03	10	125	5	117PE 0125	EN 1052-2/PN16
04	7	50	2	115PE 0050	EN 1052-2/PN16
05	6	80	3	115PE 0080	EN 1052-2/PN16
06	7	125	5	115PE 0125	EN 1052-2/PN16
07	4	80	3	115PN 0080	EN 1052-2/PN16
08	2	150	6	115PN 0150	EN 1052-2/PN16
09	1	100	4	115V 0100	EN 1052-2/PN16
10	1	250	10	115RSV 0250	EN 1052-2/PN16
11	1	250	10	115RSN 0250	EN 1052-2/PN16
12	3	300	12	115RSN 0300	EN 1052-2/PN16
13	20	50	2	515PE 0050 / PN10	EN 1052-2/PN10
14	1	100	4	515N 0100 / PN10	EN 1052-2/PN10
<b>PRUEBAS HIDROSTATICAS / HYDROSTATIC TESTS</b> Tipo de fluido / Fluid type: WATER Procedimiento aplicable / Applicable procedure: INS.DAC100.01 according to ISO 5208 Manómetro / Manometer: MA040 Nº de serie / Serial Nº: 7483					
DESCRIPCIÓN DE LA PRUEBA TEST DESCRIPTION	PRESIÓN DE PRUEBA [bar] TEST PRESSURE [bar]	TIEMPO DE PRUEBA [s] TEST TIME PERIOD [s]	RESULTADO RESULT		
Prueba de resistencia del cuerpo Shell test	24	120	SATISFACTORY		
Prueba de estanqueidad al cierre Closure test	18	120	LEAKAGE RATE "A"		
<b>PRUEBA DE FUNCIONAMIENTO / OPERATION TEST</b> Procedimiento aplicable Applicable Procedure: EN 12296-2 Número de maniobras Nº Operations: 3 Tipo de operación Test type: Manual Resultado Result: SATISFACTORY					
<b>OBSERVACIONES / REMARKS</b> For identification purposes, these valves are identified with the serial number CPE21/0882					
Vamein de España, S.A. certifies that the valves above mentioned are in compliance with the results of the tests, the technical documentation and the applicable standards. Components markings ensure the traceability between the products and the manufacturer's certificates is filed and available on request. José Borges Franco Resp. Dpto. Calidad / Quality Dept. Manager					

BETAIDE		<b>Certificado de Inspección Inspection Certificate</b>		Código: CAL008/08 Creación: 5/5/96 Revisión: 6 (17/09/15) EN 10204-3.1						
CLIENTE: VAMEIN DE ESPAÑA S.A. CUSTOMER: VAMEIN DE ESPAÑA S.A.		PEDIDO Nº: PPE20/0510 ORDER No.: PPE20/0510		CERTIFICADO Nº: 1168935 CERTIFICATE No.: 1168935						
MATERIAL: A395 -Gr. 80-40-18		NORMAS DE CONTROL / ESPECIFICACIONES: ASTM A395M-99 TECHNICAL REQUIREMENTS / DEMAND:								
DESIGNACION: MULTIBRIDA DN-80 3"		ALBARAN Nº: 184097 DELIVERY No.: 184097								
<b>ANÁLISIS QUÍMICO / CHEMICAL ANALYSIS</b>										
FECHA COLADA: [Redacted] HEAT No.: 240321										
	C	Si	Mn	P	S	Cu	Cr	Ni	Mg	
	3,77	2,54	0,42	0,035	0,005	0,15	0,04	0,03	0,032	
	0,08	0,09	0,21	0,004	0,001	0,07	0,00	0,01	0,004	
CÓDIGO IDENTIFICACION CODA: 240321		CANTIDAD: 1.005 NET WEIGHT(kg):								
<b>ENSAYOS MECANICOS / MECHANICAL TEST</b>										
TRACCION / TENSILE			RESILIENCIA / IMPACT STRENGTH		DUREZA / HARDNESS					
Probeta Nº Test No.	°C Ensayo Test Temp.	Límite Elástico Yield Strength N/mm²	Carga Rotura Tensile strength N/mm²	Alargamiento Elongation %	°C Ensayo Test Temp.	E. Absorbida Energy of impact J	HB 100/300	HB 97/50		
240321	20	306	460	19,1			166	174		
<b>ANÁLISIS METALOGRAFICO / METALOGRAPHIC ANALYSIS</b>										
% Grafito Esferoidal / % Spheroidal Graphit: TIPO I >90 % Tamaño de Nódulos / Module size: 6-7 Ferrita-Perlita / Ferrit-Perlit: 95 / 5 % Observaciones / Remarks:										
<b>TRATAMIENTO TÉRMICO / HEAT TREATMENT</b>										
<b>OBSERVACIONES / REMARKS</b>										
CERTIFICAMOS QUE EL MATERIAL ARRIBA DESCRITO CUMPLE CON LA ESPECIFICACION APLICABLE.										
TÜV Rheinland 2014/68/EU 01 202 E/Q-02 5658				FECHA / DATE: 10/05/2021  J. B. Morán Dpto. Calidad						
- Los resultados indican que el material está de acuerdo a las especificaciones. - The results show that the material is in accordance with requirements.										
BETAIDE, S.A.L. c/ Betsaide 1 E-48230 Elorrio (Vizcaya) España		C.I.F.: A-48280102 Teléf.: +34 94 658 45 80 Fax: +34 94 658 45 81		Email: dca@betsaide.com / jbmoran@betsaide.com Web: www.betsaide.com						

Vamein de España, S.A. C/ Temple Nº 1 Tres Cantos. MADRID - 28780 Telf. 91 803 45 17 Fax. 91 803 57 69		<b>DECLARATION OF CONFORMITY TO PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU</b>		Nº / Nº: CPE21/0882 Página / Page: 1 of 1 Fecha / Date: 20/12/2021		
<b>EQUIPMENT DESCRIPTION</b>						
ITEM	QTY.	CODE	WORKING PRESSURE (bar)	MATERIALS	SERVICE AND LIMITS OF USE	STANDARDS AND/OR DESIGN CODE
1	40	117PE0080	16			
2	10	117PE0100	16			
3	10	117PE0125	16			
4	7	115PE0050	16			
5	6	115PE0080	16			
6	7	115PE0125	16			
7	4	115PN0080	16			
8	2	115PN0150	16			
10	1	115V0100	16			
11	1	115RSV0250	16			
12	1	115RSN0250	16			
13	3	115RSN0300	16			
14	20	515PE0050/PN10	16			
15	1	515N0100/PN10	16			
See ANNEX A dated 14.03.18 table 1 See ANNEX A dated 14.03.18 table 2, 3 and 4 See ANNEX A dated 14.03.18 table 5						
<b>PROCEDURE FOR THE COMPLIANCE EVALUATION</b> Module H <b>EQUIPMENT IDENTIFICATION</b> Serial No.: CPE21/0882 <b>FLUID TYPES TO USE</b> All fluids <b>REFERENCES TO OTHER APPLIED COMMUNITY DIRECTIVES</b> Not apply <b>NOTIFIED BODY</b> Lloyd's Register España, S.A. C/ Princesa 20, 1º 28008 Madrid <b>EC CERTIFICATE OF CONFORMITY</b> CERTIFICATE No. 0094/PED/MAD/0116 SPA (*) (*) This certificate transfers LRV Ltd (UK NoBo 0038) certificate No 0038/PED/MAD/0116 ENG issued on 10 March 2014 which is now under the responsibility of EU Notified Body No 0094 (LRE). The General Manager, on behalf of VAMEIN DE ESPAÑA, S.A. <b>CERTIFIES:</b> The above described equipments have been designed, made, examined, and tested in compliance with the requirements of the Pressure Equipment Directive 2014/68/EU as per the indicated evaluation module. This declaration of conformity is issued under the exclusive responsibility of the manufacturer. And for the record, this DECLARATION OF CONFORMITY is issued in Tres Cantos on the mentioned date. VALENTIN ALMODOVAR GARCIA General Manager						

EN 10204 3.1 Include: heat numbers of each component and tests results.

EN 10204 3.1 of each component: body, seat, disc and shaft.

PED and ATEX Declarations.

## Quality: Other certificates



- ✓NEW APPROVALS AND DECLARATIONS OF COMPLIANCE FOR DIFFERENT SEATS RAW MATERIALS (Check availability and prices)
- ✓DECLARATIONS OF COMPLIANCE FOR RAW MATERIALS:
  - NITRILE GAS “NB-70-549”**. Formula that has been developed to be used in gas installations and pipelines, and meets the requirements according standard EN-549 A2.
  - NITRILE GAS “NB70-682”**. Formula for elastomers to be used in facilities that transport gas and hydrocarbon fluids, and meets the requirements according standard EN-682.
  - “EPDM-70 FDA”**. Formula developed to be used in contact with food according FDA regulation “Code of Federal Regulations 21 CFR. Part 177 Subpart C Section 177.2600”.
  - SILICONE** formula "S-75 Red", suitable for use in contact with food according FDA regulation “Code of Federal Regulations 21 CFR. Part 177 Subpart C Section 177.2600”.
- ✓NACE MR0175/ISO15156:2015 Corrosion Resistant Alloys for grade AISI 316 shafts.
- ✓NORSOK M-650 Qualification of manufacturers of special materials for grades CF8M (Austenitic) and CE3MN (Sup. Duplex) discs.

# SUCCESSFUL PROJECTS

# Some facilities with Vamein products



**Questions?**

Thanks-Gracias-Grazie-Merci-Danke-  
Kiitos-Takk-Dziękuję