



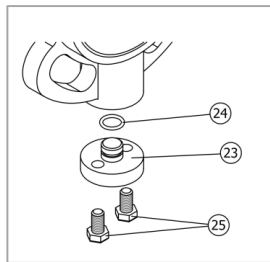
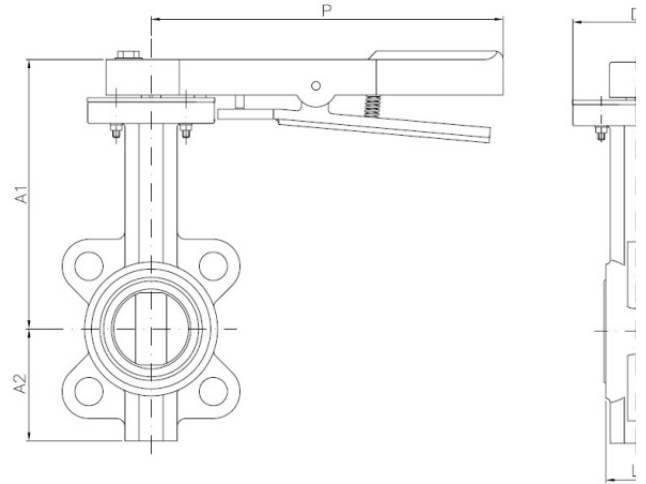
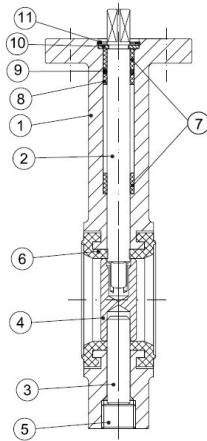
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# Produkt informatie



**ENOLGAS**

# BUTTERFLY VALVE WAFER - TYPE V5021



## Features

1. Butterfly valve wafer type.
2. GG-20 Cast Iron body allows installation in ANSI 150 and DIN PN 10/16 pipe flanges.
3. EPDM body seat.
4. Butterfly made in Stainless steel 316 (CF8M).
5. Actuator mounting plate according to ISO 5211 – DIN 3337.
6. Face to face according to UNE EN 558-1 Series 20 (DIN 3202 K1).
7. Epoxy coating.
8. Working Temperature  $-20^{\circ}\text{C} + 120^{\circ}\text{C}$ .
9. Maximum working pressure:  
16 bar (sizes 2" to 12")  
10 bar (sizes 14" to 24")

Nº	Denominación / Name	Material	Acabado Superficial / Surface Treatment
1	Cuerpo / Body	Fundición GG-20 / Cast iron GG-20	Pintado Epoxi / Epoxy Painted
2	Eje / Stem	Acero Inox AISI 416 / SS 416	-----
3	Pivote / Pivot	Acero Inox AISI 416 / SS 416 (hasta 12" / until 12")	-----
4	Disco / Disc	Acero Inox AISI 316 / SS 316	Granallado / Shot Blasting
5	Tapón / Plug	Acero Carbono / Carbon Steel (hasta 12" / until 12")	Cincado / Zinc Plated
6	Elastómero / Seat	EPDM	-----
7	Casquillo / Bush	PTFE + Grafito	-----
8	Casquillo / Bush	PTFE + Grafito	-----
9	Tórica / O' ring	NBR	-----
10	Arandela / Washer	Bronze	-----
11	Seguro / Stop Ring	Acero / Steel	-----
12	Placa dentada / Plate	Acero / Steel	Cincado / Zinc Plated
13	Palanca / Handle	Aluminio / Cast iron GG-20	Pintado Epoxi / Epoxy Painted
23	Tapón /	Fundición GG-20 / Cast iron GG-20 ( $\geq 14"$ )	Pintado Epoxi / Epoxy Painted
24	Tórica / O'ring	NBR ( $\geq 14"$ )	-----
25	Tornillo / Bolt	Acero Carbono / Carbon Steel ( $\geq 14"$ )	Cincado / Zinc Plated

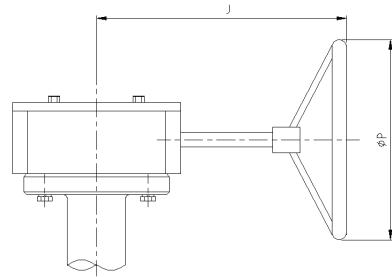
## DIMENSIONES GENERALES / GENERAL DIMENSIONS

Medida/ Size	DN	PN	L	Dimensiones / Dimensions (mm)				Peso/ Weight (kg)
				A1	A2	J	P	
2"	50	16	43	238	70	***	180	2,8
2 1/2"	65	16	46	238	80	***	180	3,3
3"	80	16	46	238	100	***	180	3,8
4"	100	16	52	270	115	***	215	6,1
5"	125	16	56	300	125	***	215	7,4
6"	150	16	56	300	145	***	215	8,9
8"	200	16	60	300	150	***	300	14,4
10"	250	16	68	330	200	***	300	21,2
12"	300	16	78	360	250	240	290	37,5
14"	350	10	78	390	260	257	290	56,1
16"	400	10	102	420	300	257	290	77,6
18"	450	10	114	445	330	306	400	118,5
20"	500	10	127	480	370	306	400	151,5
24"	600	10	152	710	467	342	400	243,0

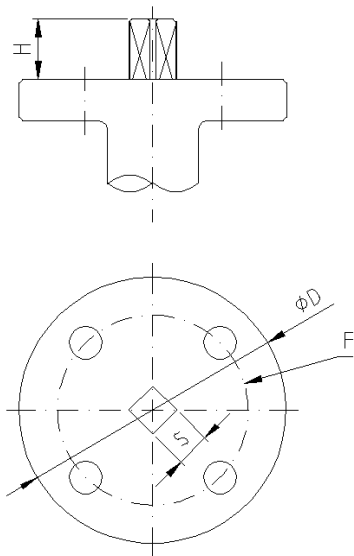
\*\*\* Nota: De 2" a 6" Maneta de aluminio / *From 2" to 6" Aluminium handle.*

De 8" a 10" Maneta de fundición de hierro / *From 8" to 10" cast iron handle.*

A partir de 12" operación mediante reductor manual / *From 12", handling by gear box.*



**Dimensiones de brida superior / Top flange dimensions:**



Top flange dimensions					
DN	F (ISO5211)	S	D	H	Torque Nm
50	F05	11	65	30	12
65	F05	11	65	30	20
80	F05	11	65	30	27
100	F07	14	90	30	39
125	F07	14	90	30	58
150	F07	14	90	30	90
200	F07/F10	17	125	30	120
250	F10	22	125	40	180
300	F10/F12	22	150	40	340
350	F12	22	150	45	640
400	F14	27	175	45	805
450	F14	27	175	45	1100
500	F14	36	175	45	1500
600	F16	Ø 50,65	210	70	2500

**Perdidas de Carga ( Cv ) según posición del disco / Head losses according to disc position:**

DN	Posición del Disco (grados) / Disc Position (degrees)									
	90°	80°	70°	60°	50°	40°	30°	20°	10°	
50	144	114	84	61	43	27	16	7	1	
65	282	223	163	107	67	43	24	11	1.5	
80	461	364	267	154	96	61	35	15	2	
100	841	701	496	274	171	109	62	27	3	
125	1376	1146	775	428	268	170	98	43	5	
150	1850	1542	1025	567	354	225	129	56	6	
200	3316	2842	1862	1081	680	421	241	102	12	
250	5430	4525	2948	1710	1076	667	382	162	19	
300	8077	6731	4393	2563	1594	1005	555	235	27	
350	10538	8874	5939	3384	2149	1320	756	299	34	
400	13966	11761	7867	4483	2847	1749	1001	397	45	
450	17214	14496	10065	5736	3643	2237	1281	507	58	
500	22339	18812	12535	7144	4536	2786	1595	632	72	
600	43116	39236	26157	16528	9989	5605	2587	1222	150	

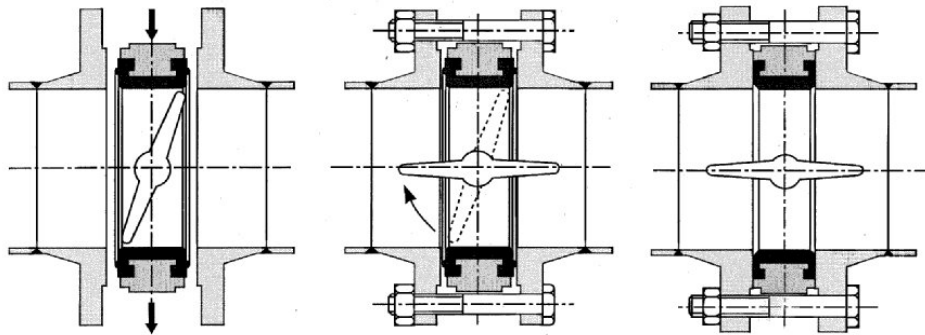
## VALORES DE Cv / Cv VALUES

Cv = Es la cantidad de galones por minuto (gpm) que pasará a través de la válvula generando una pérdida de carga de 1 psi.

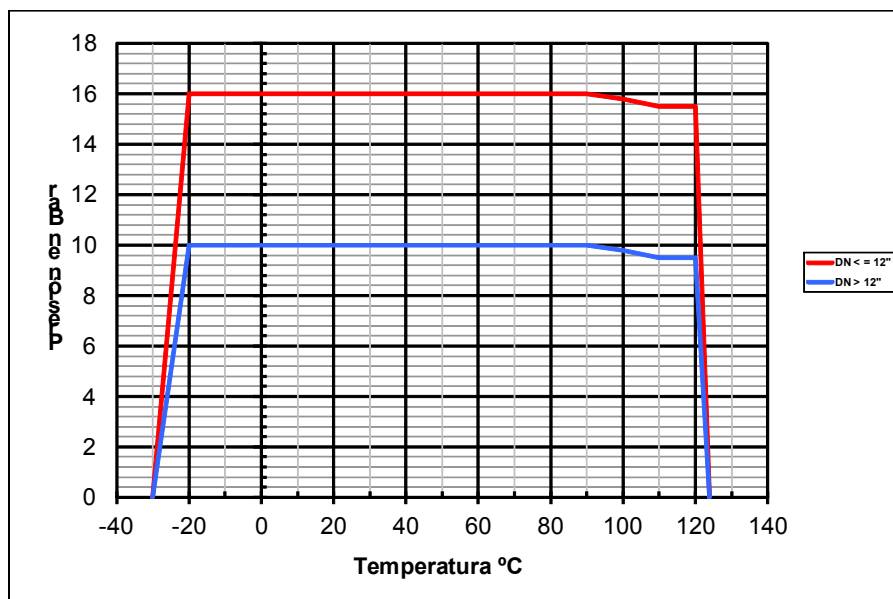
Cv = The flow rate of water (g.p.m.) which generates a pressure drop of 1 psi across the valve.

## Medidas de Precaución para instalación / Precautions measures for Installation:

1. No instale la válvula en posición totalmente cerrada / *Do not install the butterfly valve in total closed position.*
2. Verifique el buen paralelismo de las bridas / *Check the good parallelism of the flanges.*
3. No coloque otras juntas entre las bridas / *Do not insert other gaskets between flange and valve.*



## **CURVA PRESION TEMPERATURA / PRESSURE TEMPERATURE RATING**





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