



Samiplast Valves

Water Treatment &
Industry Solutions

ABOUT US



Established in 2023, PT Global Omnitek Dwitunggal is a distinguished company founded by two partners equipped with years of industrial technical and marketing knowledge. After an initial period of collaboration, the company was formally registered, and operations commenced from a modest office space.

Our primary focus began with the supply of safety personal protective equipment to industrial customers. Over time, leveraging our industry expertise and dedication to excellence, we have evolved to offer a comprehensive range of industrial supplies. Our commitment is to meet and exceed the diverse needs and requirements of our valued customers.

At PT Global Omnitek Dwitunggal, we pride ourselves on delivering high-quality products and services that enhance safety and operational efficiency in various industrial settings. Our professional team is dedicated to understanding and addressing the unique challenges faced by our customers, ensuring tailored solutions that contribute to their success.

As we continue to grow and evolve, PT Global Omnitek Dwitunggal stands as a dynamic company catering to a broad spectrum of industrial needs. We look forward to contributing to the success of businesses through our diversified range of products and solutions.

CERTIFICATION



uPVC (un-plasticized polyvinyl chloride)



uPVC (un-plasticized polyvinyl chloride) is a thermoplastic material derived from common salt and fossil fuels. The pipe material has the longest track record of all plastic materials. uPVC pipes are certified safe for drinking water per NSF Standard 61 and used extensively for water distribution and Further pressure and non-pressure applications in the field of sewers, soil and waste, gas (low pressure).

The material's contribution to public health, hygiene and well-being has therefore been significant. Polyvinyl Chloride or uPVC (un-plasticized polyvinyl chloride) has a **high chemical resistance, High operating pressures, high temperature up to 140 °F (60 °C), and max working pressure: 450 psi (3,100 kPa).**

Due to its long-term strength characteristics, high stiffness and cost effectiveness, uPVC systems account for a large proportion of plastic piping installations.

**UPVC - PVC PIPE Sch 40 & Sch 80
According to ASTM D1785**

Size(")	Wall thickness(mm)		Outer Diameter
	Schedule 40	Schedule 80	
1/2"	2.77	3.73	21.34
3/4"	2.87	3.91	26.67
1"	3.34	4.55	33.4
1-1/4"	3.56	4.85	42.16
1-1/2"	3.68	5.08	48.26
2"	3.91	5.54	60.32
2-1/2"	5.16	7.01	73.02
3"	5.49	7.62	88.9
4"	6.02	8.56	114.3
5"	6.55	9.52	141.3
6"	7.11	10.97	168.28
8"	8.18	12.70	219.08
10"	9.27	15.06	273.05
12"	10.31	17.45	323.85
14"	11.1	19.05	355.6
16"	12.7	21.41	406.4
18"	14.27	23.8	457.2
20"	15.06	26.19	508
24"	17.45	30.94	609.6



PIPES & FITTINGS

uPVC | CPVC | PP | PVDF | ASTM - DIN - JIS



CORZAN™ Chlorinated Polyvinyl Chloride



MADE IN USA



Chlorinated polyvinyl chloride (CPVC) has become an important engineering thermoplastic due to its relatively **low cost, high glass transition temperature, high heat distortion temperature, chemical inertness, outstanding mechanical, dielectric, and flame and smoke properties.** CPVC was first commercialized by **Lubrizol Advanced Materials, Inc. (formerly BFGoodrich) in the early 1960s** and has since proven its value in a variety of industrial applications in which a high use temperature and **excellent resistance to corrosive chemicals are desirable.**

Conceptually, CPVC is a PVC homopolymer that has been subjected to a chlorination reaction. Typically, chlorine and PVC react according to a basic free radical mechanism. This can be brought about by various approaches using thermal and/or UV energy for initiation of the reaction CPVC produced in such a manner can be quite varied structurally depending on the chlorination method, conditions, and the amount of chlorine reacted.

The chlorine content of base PVC can be increased from 56.7 percent to as high as 74 percent, though typically most commercial CPVC resins have 63 to 69 percent chlorine. As the chlorine content in CPVC is increased, the glass transition temperature (T_g) of the polymer increases significantly.

**CPVC PIPE Sch 40 & Sch 80
According to ASTM F441**

Size(")	Wall thickness(mm)		Outer Diameter
	Schedule 40	Schedule 80	
1/2"	2.77	3.73	21.34
3/4"	2.87	3.91	26.67
1"	3.34	4.55	33.4
1-1/4"	3.56	4.85	42.16
1-1/2"	3.68	5.08	48.26
2"	3.91	5.54	60.32
2-1/2"	5.16	7.01	73.02
3"	5.49	7.62	88.9
4"	6.02	8.56	114.3
5"	6.55	9.52	141.3
6"	7.11	10.97	168.28
8"	8.18	12.70	219.08
10"	9.27	15.06	273.05
12"	10.31	17.45	323.85
14"	11.1	19.05	355.6
16"	12.7	21.41	406.4
18"	14.27	23.8	457.2
20"	15.06	26.19	508
24"	17.45	30.94	609.6

**CPVC PIPE DIN/ISO Std
GB/T 4219.1-2008 GB/T 18998.2-2003**

d (mm)	weight (kg)	d1 (mm)	e (mm)
20	0.127	15.4	2.3
25	0.164	20.4	2.3
32	0.261	26.2	2.9
40	0.412	32.6	3.7
50	6.38	40.8	4.6
63	1.01	51.4	5.8
75	1.41	61.4	6.8
90	2.03	73.6	8.2
110	3.01	90	10
125	3.91	102.2	11.4
160	6.38	130.8	14.6
200	8.07	147.2	16.4
250	9.95	163.6	18.2
315	12.6	184	20.5
350	15.5	204.6	22.7
400	19.4	229.2	25.4
450	24.6	257.8	28.6
500	31.2	290.6	32.2
600	39.7	327.4	36.3

SIMONA

SIMONA® PP-H AlphaPlus® is a homopolymeric polypropylene (PP-H) that offers a host of possibilities when it comes to designing and implementing premium-quality industrial piping systems. SIMONA® PP-H AlphaPlus® combines a number of advantages. The only pipes and fittings manufacturer with DIBt approval for a PP-H compound SIMONA® PP-H AlphaPlus® pipes and fittings are made from a PP-H compound for which SIMONA has gained approval from the DIBt (**German Institute of Building Technology in Berlin**). To obtain this general construction supervision certificate, extensive records have to be produced regarding the quality of the raw material, pipes and fittings. SIMONA is the only pipes and fittings manufacturer to have gained approval from DIBt for a PP-H raw material. The approvals define extensive QA inspections which are implemented in the relevant inspection and test plans.

Types of material PP

PP-H AlphaPlus®	Homopolymer, alpha-nucleated, permanent-heat stability grey
PP-H AlphaPlus®-SK	Homopolymer, alpha-nucleated, permanent-heat stability, polyester-backed grey
PP-H natural	Homopolymer, permanent-heat stability natural
PP-H grey	Homopolymer, permanent-heat stability, grey
PP-H light grey	Homopolymer, permanent-heat stability, light grey
PP-H white 9002	Homopolymer, permanent-heat stability, white 9002
PP-C	Block copolymer
PP-C-PK	Block copolymer, permanent-heat stability, polypropylene-backed
PP-C-SK	Block copolymer, permanent-heat stability, polyester-backed
PP-C-UV	Block copolymer, UV-stabilised
PP-C-UV embossed	Block copolymer, UV-stabilised, embossed
PP FOAM	Closed-cell, coextruded polypropylene foam, smooth surface made of compact material
PP-EL-S	Random copolymer, electrically conductive, flame-retardant
PP-EL	Homopolymer, electrically conductive
PPs	Homopolymer, low flammability
PP-R	Random copolymer
PP-RM/-HM	"Pipe Modules" made out of "High Modulus" block copolymer, high impact strength, free of filler materials, superior levels of rigidity, modulus of elasticity > 1700 N/mm2
frislyen® JN 480	Cutting boards, reversible boards with smooth surfaces, natural
frislyen® SP	Cutting boards, reversible boards with smooth surfaces, green
frislyen® BNL	Cutting boards, reversible boards with smooth surfaces, red brown
frislyen® XL 75	Cutting boards, reversible boards with smooth surfaces, multicoloured

Material specification SIMONA® PP-H AlphaPlus®

Properties	Test standard	Test method/ Test specimen	Unit	SIMONA® PP-H AlphaPlus®
Mechanical properties				
Density	ISO 1183	Procedure C	g/cm3	0.915
Melt mass-flow rate (Melt index)	ISO 1133	MFR 190/5	Group	006
Tensile test	DIN EN ISO 527	Type 1B		
Yield stress			MPa	33
Elongation at yield			%	8
Elongation at break			%	70
Tensile modulus of elasticity			MPa	1700
Impact bending test				
Impact strength	DIN EN ISO 179	80 x 10 x 4 mm	kJ/m2	no break
Notched impact strength		V-notch	kJ/m2	9
Surface hardness				
Ball indentation hardness	DIN EN ISO 2039-1		Mpa	70
Shore hardness	DIN EN ISO 868	Procedure D	-	72
Thermal properties				
Crystalline melting range	DIN 53736	DSC	* C	160 – 165
Mean coefficient of linear thermal expansion	DIN 53752	Procedure A	K-1	1.6 · 10-4
Thermal conductivity	DIN 52612	PIC. 500 x 500 x 20 mm	W/m · K	0.22
Temperature range				
			* C	0 to + 100
Electrical properties				
Dielectric strength	VDE 0303-21		kV/mm	52
Volume resistivity	DIN IEC 93		Ohm · cm	> 10 ¹⁶
Surface resistivity	DIN IEC 167		Ohm	10 ¹⁶
Tracking resistance	DIN IEC 112	Procedure KC	Grade	> 600
Other properties				
Flammability Supplement fulfilled	DIN 4102		Class	B2
Water absorption	DIN 53495	Procedure C	%/24 h	< 0.01
Physiologically safe	Recommendation	BFR/KTW		yes
Chemical resistance	DIN 8078 Supplement			fulfilled



MADE IN GERMANY



PIPES & FITTINGS

uPVC | CPVC | PP | PVDF | ASTM - DIN - JIS



UPVC FITTINGS

90 °	90 °		45 °			
Elbow 90°	Copper Threaded Elbow 90°	Reducing Tee	Elbow 45°	Copper Threaded Tee	Tee	Copper Threaded Reducer
DN15~400	DN15~25	DN20*15~400*300	DN15~400	DN15~25	DN15~400	DN15~25
Male Adaptor	Female Adaptor	One-piece Flange	Cross	Bushing	Reducer	Blind Flange
DN15~100	DN15~100	DN15~300	DN15~300	DN20*15~400*350	DN20*15~400*350	DN15~400
Flange Gasket	Copper Threaded Blind Flange	Vanstone Flange	Cap	Coupling	Union	Bracket
DN15~400	DN50~80	DN40~500	DN15~400	DN15~400	DN15~100	DN15~125

CPVC FITTINGS

90 °		45 °				
Elbow 90°	Female Adaptor	Elbow 45°	Male Adaptor	Bushing	Reducing Tee	Union
1/2"~14"	1/2"~4"	1/2"~14"	1/2"~4"	1/2"*1/4"~12"*10"	3/4"*1/2"~12"*10"	1/2"~4"
Coupling	Vanstone Flange	Reducer	Cross	Tee	One-piece Flange	Cap
1/2"~14"	2"~14"	3/4"*1/2"~10"*8"	1/2"~6"	1/2"~14"	1/2"~8"	1/2"~14"
Blind Flange						
1/2"~14"						

Double Union Ball Valve

Size : DN15-DN100 (1/2"-4")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Socket : DIN, ANSI, JIS, CNS,
 NPT
 Pressure rate : PN1.0Mpa



Butterfly Valve

Size : DN40-DN200 (1-1/2"-8")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Flange : DIN PN10, ANSI CL 150,
 JIS 10K
 Pressure rate : PN1.0Mpa



Compact Ball Valve

Size : DN15-DN100 (1/2"-4")
 Material : PVC
 Socket : JIS Std
 Pressure rate : PN1.0Mpa



Butterfly Valve (Gear Type)

Size : DN150-DN600 (6"-24")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Flange : DIN PN10, ANSI CL 150,
 JIS 10K
 Pressure rate : PN0.2-1.0Mpa



3 Ways Double Union Ball Valve

Size : DN15-DN50 (1/2"-2")
 Material : PVC-U, CPVC
 Socket : DIN, ANSI, JIS, CNS,
 NPT
 Pressure rate : PN1.0Mpa



MANUAL VALVE SERIES

uPVC | CPVC | PP | PVDF | ASTM - DIN - JIS

Ball Valve (Flanged)

Size : DN15-DN150 (1/2"-6")
Material : PVC-U, CPVC, PVDF,
PP-GF, PP-H
Flange : DIN PN10, ANSI CL
150, JIS 10K
Pressure rate : PN1.0Mpa



Double Union Diaphragm Valve

Size : DN15-DN50 (1/2"-2")
Material : PVC-U, CPVC, PVDF,
PP-GF, PP-H
Socket : DIN, ANSI, JIS
Pressure rate : PN1.0Mpa



Globe Valve

Size : DN15-DN200 (1/2"-8")
Material : PVC-U, CPVC, PVDF,
PPGF, PP-H
Flange : DIN PN10, ANSI CL 150,
JIS 10K
Pressure rate : PN1.0Mpa



Diaphragm Valve (Flanged)

Size : DN125-DN250 (5"-10")
Material : PVC-U, CPVC, PVDF,
PP-GF, PP-H
Flange : DIN PN10, ANSI CL
150, IS 10K
Pressure rate : PN0.4-0.7Mpa



Sampling Valve

Size : DN10 (1/4")
Material : PVC-U
Connect : BSPT 1/4"; 20mm
bushing
Pressure rate : PN1.0Mpa



Diaphragm Valve Electric

Size : DN15-DN100 (1/2"-4")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Pressure rate : PN1.0Mpa
 Operation : Electric
 Type : Open/Close; Regulating
 Power : DC 24V; AC 220V; AC 380V



Butterfly Valve Electric

Size : DN40-DN200 (1-1/2"-24")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Pressure rate : PN0.2-1.0Mpa
 Operation : Electric
 Type : Open/Close;
 Regulating
 Power : DC24V; AC220V;
 AC380V



Double Union Pneumatic Ball Valve

Size : DN15-DN100 (1/2"-4")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Pressure rate : PN1.0Mpa
 Operation : Pneumatic SR; DA
 Air supply : 4-6 bar



Butterfly Valve Pneumatic

Size : DN40-DN200 (1-1/2"-24")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Pressure rate : PN0.2-1.0Mpa
 Operation : Pneumatic SR; DA
 Air supply : 4-6 bar



Double Union Electric Ball

Size : DN15-DN100 (1/2"-4")
 Material : PVC-U, CPVC, PVDF,
 PP-GF, PP-H
 Pressure rate : PN1.0Mpa
 Operation : Electric
 Type : Open/Close; Regulating
 Power : DC24V; AC220V; AC380V



CHECK VALVE SERIES

uPVC | CPVC | PP | PVDF | ASTM - DIN - JIS

Double Union Ball Check Valve

Size : DN15-DN50(1/2"-2")
Material : PVC-U, CPVC, PP-H
Socket : DIN, ANSI, JIS, CNS
Pressure rate : PN1.0Mpa



Ball Check Valve (Flanged)

Size : DN15-DN300(1/2"-12")
Material : PVC-U, CPVC, PVDF,
PP-GF, PP-H
Flange : DIN PN10, ANSI CL 150,
JIS 10K
Pressure rate : PN0.5-1.0Mpa



Check Valve Socket

Size : DN20-DN150 (3/4"-6")
Material : PVC-U
Socket : DIN, ANSI, JIS
Pressure rate : PN0.7-1.0Mpa
Model : RPV145
Size : DN15-DN80 (1/2"-3")
Material : PVC-U, CPVC, PP-H
Socket : DIN, ANSI, JIS, CNS
Pressure rate : PN1.0Mpa



Foot Valve (Ball & Wafer)

Size : DN50-DN300(2"-12")
Material : PVC-U, CPVC, PVDF,
PP-GF, PP-H
Flange : DIN PN10, ANSI CL 150,
JIS 10K
Pressure rate : PN0.5-1.0Mpa



Wafer Check Valve

Size : DN50-DN600(2"-24")
Material : PVC-U, CPVC, PVDF,
PP-GF, PP-H
Socket : DIN PN10, ANSI CL 150,
JIS 10K
Pressure rate : PN0.2-1.0Mpa



PVC Clear Flow Meter

Size : DN15-DN150 (1/2"-6")
 Material : ABS
 Socket/
 Flange : DIN, ANSI, JIS
 Pressure rate : PN1.0Mpa



PVC Clear Y Strainer

Size : DN15-DN100 (1/2"-4")
 Material : PVC-U
 Socket : DIN, ANSI, JIS, CNS
 Pressure rate : PN1.0Mpa



Pressure Reducing Valve

Size : DN15-DN65 (1/2"-2-1/2")
 Material : PVC-U, CPVC, PVDF, PP-H
 Socket : DIN, ANSI, JIS, CNS, NPT
 Pressure rate : PN1.0Mpa



Rubber Gasket

Size : DN15-DN400(1/2"-16")
 Material : EPDM, NR, NBR,
 PTFE, FKM
 Flange : DIN PN10, ANSI CL
 150, JIS 10K



PADDLEWHEEL FLOW SENSOR



TECHNICAL DATA

- Pipe Size Range: DN15 to DN600 (0.5" to 24")
Please refer to Installation Fittings section for more details
- Flow Rate Range: 0.15 to 8 m/s (0.5 to 25 ft./s)
- Linearity: $\pm 0.75\%$ of full scale
- Repeatability: $\pm 0.5\%$ of full scale
- Minimum Reynolds Number Required: 4500
- Enclosure: IP68 or IP65
- Wetted Materials:
 - sensor Body: CPVC, PVDF, Brass or 316L SS
 - o-rings: EPDM or FPM
 - rotor: ECTFE (Halar®)
 - shaft: Ceramic (Al_2O_3)/316L SS (only for metal sensors)
 - bearings: Ceramic (Al_2O_3)

pH/ORP SENSOR



TECHNICAL DATA

- Operating Range:
 - pH Electrodes: 0 - 14 pH (0 - 12.3 pH without Na+error)
 - ORP Electrodes: ± 2000 mV
- Pipe Size Range: DN15 to DN100 (0.5" to 4")
- Zero voltage point new electrode performances: $7.00pH \pm 0.2pH$
- Efficiency new electrode performances: $> 97\%$ @ $25^\circ C$ ($77^\circ F$)
- Response time new electrode performances:
 - pH: 2 sec for 95% of signal change
 - ORP: application
ference:
- electrolyte:
solidified gel 3.5M KCl for single junction versions
KCl-KNO3 for double junction versions
- Process Connection:
 - in-line installation with:
threaded nipple $\frac{1}{2}$ ", $\frac{3}{8}$ " or PG13,5 FLS installation fittings
 - submersible installation
- Max Working pressure/ working temperature:
 - 7 bar (100 psi) @ $25^\circ C$ ($77^\circ F$)
 - 1 bar (14,5 psi) @ $65^\circ C$ ($149^\circ F$)
- Wetted materials:
 - body: epoxy
 - o-ring junction: silicone
 - junction: pelon
 - sensing surface: glass membrane (pH) platinum (ORP)
- O-ring: Buna-N (PH222 CD, PH223 CD, ORP222 CD, ORP223 CD)

FLOW MAGMETER



TECHNICAL DATA

- Pipe Size Range: DN15 to DN600 (0.5" to 24")
Please refer to Installation Fitting section for more details
- Max Flow Rate Range:
From 0.05 to 8 m/s (0.15 to 26.24 ft/s)
- Full Scale: 8 m/s (26.24 ft/s)
- Linearity: $\pm 1\%$ of reading + 1,0 cm/s
- Repeatability: $\pm 0.5\%$ of reading
- Enclosure: IP65
- Materials:
 - case: PC/ABS
 - gasket: EPDM
- Wetted Materials:
 - sensor body: 316L SS/PVDF; 316L SS/ PEEK; CuNi alloy/PVDF
 - o-rings: EPDM or FPM
 - electrodes: 316L SS or CuNi alloy

CONDUCTIVITY SENSORS



TECHNICAL DATA

- Operating Range:
 - C150.01, C150.01 TC, C200.01, C200.01 TC: $0.1 \mu S$ to $2000 \mu S$ (10 M Ω to 500 Ω)
 - C150.1, C150.1 TC, C200.1, C200.1 TC: $1 \mu S$ to $20000 \mu S$
 - C200.10, C200.10 TC: $10 \mu S$ to $200000 \mu S$
- Temp. compensation device (for TC models): Pt100
- Cable length: 5 meter (16 ft.)
- Max. distance electrode-controller (without signal conditioning): 20 meter (66 ft.)
- Process Connection:
 - in-line installation with:
threaded nipple $\frac{1}{2}$ " or $\frac{1}{4}$ " FLS installation fittings submersible installation
- Working temperature: $0^\circ C$ to $70^\circ C$ ($32^\circ F$ to $158^\circ F$)
- Max. Working Pressure: 7 bar (100 psi)
- Wetted materials:
 - body: epoxy
 - measuring surface: graphite (C150 version) or platinum (C200 version)

pH/ORP MONITOR & CONDUCTIVITY MONITOR



TECHNICAL DATA

- Associated sensors: FLS pH/ORP electrodes and FLS temperature sensors
- Materials:
 - Case: ABS
 - Display window: PC
 - Panel & Wall gasket: silicone rubber
 - Keypad: 5-button silicone rubber
- Display:
 - LC full graphic display
 - Backlight version: 3-colours
 - Backlight activation: User adjustable with 5 levels of timing
 - Update rate: 1 second
 - Enclosure: IP65 front
- pH input range: $-2 \div 16pH$
- pH measurement resolution: ± 0.01 pH
- ORP input range: $-2000 + 2000mV$
- ORP measurement resolution: ± 1 mV
- Temperature input range: $-50 \div 150^\circ C$ ($-58 \div 302^\circ F$) (with Pt100-Pt1000)
- Temperature measurement resolution: $0,1^\circ C / ^\circ F$ (Pt1000); $0,5^\circ C / ^\circ F$ (Pt100)

FLOW MONITOR



TECHNICAL DATA

- Associated sensors: FLS hall effect flow sensors with frequency output or FLS F6.60 flow magmeters
- Materials:
 - Case: ABS
 - Display window: PC
 - Panel & Wall gasket: silicone rubber
 - Keypad: 5-button silicone rubber
- Display:
 - LC full graphic display
 - Backlight version: 3-colours
 - Backlight activation: User adjustable with 5 levels of timing
 - Update rate: 1 second
 - Enclosure: IP65 front
- Flow input range (frequency): $0 \div 1500Hz$
- Flow input accuracy (frequency): $0,5\%$





GUIDE TO SOLVENT WELDING PVC and CPVC Plastic Pipe and Fittings



All Low VOC • All the Time

- Plastic Pipe Cement, Primer and Cleaners
- Speciality Products
- Applicators and Accessories

WELD-ON SELECTION GUIDE

For assistance in selecting the right Weld-On products for your application, please refer to the selection guide below.

Pipe Format

- Schedule 40/PN3.2, PN4, PN6
- Schedule 80/PN10, PN16

[†] Can be used without a primer with fittings having an interference fit (unless primer required by local code).
[‡] For CPVC and PVC Chemical Piping Systems
[§] FlowGuard[®] and FlowGuardGold[®] are registered trademarks of The Lubrizol Corp.
[¶] Styrene Pipe
^{**} PVC, CPVC, ABS and Styrene Pipes
^{***} ABS to PVC Transition Joints
 CTS Copper Tube Size



Product Type	Color	Product Name	Material	Nominal Pipe Size																	
				mm	20	25	32	40	50	63	75	90	110	160	200	250	315	335	600	800	
				in	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6	8	10	12	14	24	30	
Primer	PURPLE	717 [†] PVC	PVC																		
	PURPLE	724 [†] CPVC	CPVC																		
Speciality	GREEN	770 [†] PRIMER	PVC																		
	GREEN	773 [†] ABS	ABS																		
	GREEN	795 [†] PVC	PVC																		
ABS	BLACK	771 [†]	ABS																		
	YELLOW	772 [†]	ABS																		
CPVC	YELLOW	FlowGuard [™]	CPVC																		
	YELLOW	FlowGuardGold [™]	CPVC																		
	GRAY	729	CPVC																		
	ORANGE	724 [†]	CPVC																		
	ORANGE	714	CPVC																		
SPECIALITY CEMENT	BLUE	758	PVC																		
	BLUE	793	PVC																		
	CLEAR	788 [†]	PVC																		
	CLEAR	787 [†]	PVC																		
	CLEAR	738 [†]	PVC																		
	CLEAR	737 [†]	PVC																		
	BLUE	735 [†]	PVC																		
	CLEAR	727 [†]	PVC																		
	WHITE	725 [†]	PVC																		
	EXTRA HEAVY BODY	GRAY	719	PVC																	
HEAVY BODY	GRAY	717	PVC																		
	GRAY	711	PVC																		
MEDIUM BODY	BLUE	721	PVC																		
	CLEAR	705	PVC																		
REGULAR BODY	GRAY	704	PVC																		
	CLEAR	710	PVC																		
	CLEAR	702	PVC																		
	CLEAR	700	PVC																		

METAL VALVES



WAFER MANUAL BUTTERFLY VALVE



Model : D371X
 Size : DN40-DN1200
 Pressure : PN 6/PN10/PN16
 Temperature : -40°C-200°C
 Body material : Cast Iron, Ductile Iron, Aluminum
 Stainless Steel, CF8, CF8M, CF3M
 Applicable medium: Potable Water, Wasterwater,
 Seawater, HVAC

Body : Cast Iron, Ductile Iron, Aluminum
 Stainless Steel, CF8, CF8M, CF3M
 Disc : Stainless Steel CF3M, CF3,CF8M, Nylon
 Coated Ductile Iron, Aluminum
 Bronze, Double Stainless Steel, 2507,
 1.4529
 Stem : Stainless Steel
 Seats : NBR, EPDM, PTFE, VITON, FKM*
 Polyurethane
 Size : 1" - 40" (25mm - 1000mm)
 Flange accommodation :
 EN 1092 PN 6/PN10/PN16ASME Class
 150AS 4087 PN 10/ PN16 JIS 5K/10K
 Temperature range : -40°C to + 200°C
 (depending on pressure, medium and
 material)
 Body style : Wafer
 Applications : Portable Water, Wastewater,
 Seawater, HVAC

INTRODUCTION

Wafer Manual Butterfly Valve resilient seated butterfly valve surpasses the high standards required in sanitary valve applications, and inherent flow characteristics and capabilities. butterfly valve is a wafer version with flange locating holes , and is the companion lug version for dead-end service and other flange requirements.



ONE STEM NO-PIN WAFER BUTTERFLY VALVE

Model : D71
 Size : DN50-DN200
 Pressure : PN10, PN16, Class125
 Temperature : -20°C-135°C
 Body material : Cast Iron, Ductile Iron, WCB,
 Stainless Steel, Bronze
 Applicable medium: Wafer etc.

Operate : Manual, Worm gear, Pneumatic,
 Electric-Motorized
 Disc type : One stem no-pin
 End Connection : Wafer
 Operate : Manual, Worm gear, Pneumatic,
 Electric-Motorized
 Disc type : One stem no-pin
 Body : Cast Iron, Ductile Iron, Aluminum
 Stainless Steel, CF8, CF8M, CF3M
 Disc : Stainless Steel CF3M, CF3,CF8M,
 Nylon Coated Ductile Iron,
 Aluminum Bronze, Double
 Stainless Steel, 2507, 1.4529
 Stem : Stainless Steel
 Seats : NBR, EPDM, PTFE, VITON, FKM*
 Polyurethane
 Size : 1" - 40" (25mm - 1000mm)
 Flange accommodation : EN 1092 PN 6/PN10/PN16

INTRODUCTION

Seat Materials : NBR, EPDM, VITON, PTFE
 Disc Materials : Ductile Iron, WCB, CF8, CF8M,
 Al-bronze C958
 Stem Materials : SS416, SS304, SS316
 End Connection : Wafer



F4 RESILIENT SEATED FLANGED GATE VALVES BUTTERFLY VALVE

Model : Z45
 Size : DN50-DN800
 Pressure : PN10-PN16
 Temperature : -20°C≤120°C
 Body material : Ductile Iron
 Applicable medium: Water

TECHNICAL DATA

1. Body: Ductile Iron
2. Bonnet: Ductile Iron
3. Gland: Ductile Iron
4. Wedge: Ductile Iron+Epdm
5. Lifting Nut: Brass
6. Adjustable Stem: Ss420
7. Clamp Ring: Brass
8. O Ring: Silicone
9. Handwheel: Ductile Iron
10. Bolt: Carbon Steel
11. Ring: Epdm
12. Bolt: Ss304

INTRODUCTION

The valves disc is rubber-packed to get excellent sealing effect by the rubber's resilient deformation. Non-rising resilient seated gate valves solve the problem in general gate valves such as leakage, rusting etc. And saves installation space. It is used widely in tap water industry,sewage treatment, shipping construction, petroleum, chemicals, food, pharmacy, textile, electricpower, metallurgy and energy system's pipeline to adjust and shut off fluids.



DOUBLE STEM WAFER BUTTERFLY VALVE

Model : D71
 Size : DN50-DN200
 Pressure : PN10, PN16, Class125
 Temperature : -20°C-135°C
 Body material : Cast Iron, Ductile Iron, WCB,
 Stainless Steel, Bronze
 Applicable medium: Wafer etc

INTRODUCTION

Seat Materials : NBR, EPDM, VITON, PTFE
 Disc materials : Ductile Iron, WCB, CF8, CF8M,
 Al-bronze C958
 Stem Materials : SS416, SS304, SS316
 End Connection : Wafer
 Operate : Manual, Worm gear, Pneumatic,
 Electric-Motorized
 Disc type : Double stem no-pin



STOCKIST



COMPARISON CHART - PIPING SIZING

DN		OD			
INCH	mm	SNI	JIS	BS	ASTM
1/2"	15	20	22	21.3	21.3
3/4"	20	25	26	26.7	26.7
1"	25	32	32	33.4	33.4
1-1/4"	32	40	42	42.2	42.2
1-1/2"	40	50	48	48.3	48.3
2"	50	63	60	60.3	60.3
2-1/2"	65	75	76	75	73
3"	80	90	89	88.9	88.9
4"	100	110	114	114.3	114.3
5"	125	125			
		140	140	140	141.3
6"	150	160	165	168.3	168.3
		180			
8"	200	200	216	219.1	219.1
		225			
10"	250	250	267	273	273
		280			
12"	300	315	318	323.9	323.9
14"	350	355	370	355.6	355.6
16"	400	400	420	406.4	406.4
18"		450	470	457.2	457.2
20"	500	500	520	508	508
22"		560			
24"	600	630	630	609.6	609.6



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