

DISCOVANNE

HIGH PERFORMANCE DOUBLE OFFSET BUTTERFLY VALVE GACHOT®



	The maximum pressures and temperatures depend on the pressure temperature ratio and the nature of the fluid.	e/
	Temperature,°C -196 °C 550 °C	700 °C
Performances	Pressure, bar 0° 50	100 bar
		DN3000
Technology	(*)Standard vacuum resistance: 1 torr Double offset and, according to the design, Bidirectional. The eccentricity of the shaft, and of the disc with the seat have the following benefits: Low operating torque, Reduced seat wear, Lack of retention zone. Can be used in isolation and setup service.	ne
Type of body	Wafer Lug	
Face to Face	IS05752 - S16 (DN50-DN300) Option: IS05752 - S20 (DN50-DN125)	
Design Standard	EN593 / IS010631	
Shaft control	The groove assembly allows the distribution of the operating torque the shaft.	e on
Cable gland	 Series of compact graphite rings with high temperature resist or PTFE, according to the design. Easily accessible packing gland thanks to a bracket system. 	ance,
Guiding	Use of self-lubricating rings with low coefficients of friction and lar spans ensuring longevity and robustness.	-ge
Seat	 Precise positioning of the disc thanks to centering rings. Metal seat with metal 0-ring to reduce valve torque. 	
Disc	 Built-in stop to limit any over-opening. Design of studied profile assuring high flow rates and low flow pressure losses. In metal gasket version, treatment increasing surface hardnes the disc. The valve is a spherical segment whose circumference in cont with the seat ensures perfect sealing. 	s of
Option	Realization on request: Fire Safe (SNEA / BS6755-2 / ISO10497) Cryogenics	



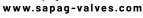




SAPAG VALVES

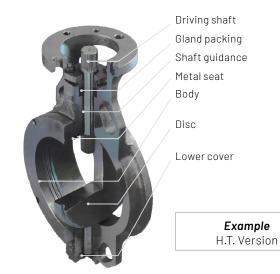
FRENCH INDUSTRIAL VALVE MANUFACTURER

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Parts List - RTFE Version (220 °C max.)

				Material				
	Nb	Name		Carbon stee	I	S	tainless ste	eel
			DN 50	DN 65-125	DN 150-300	DN 50	DN 65-125	DN 150-300
1	1	Body	1.6220	A350 - LF2	1.0625	1.4409	1.4404	1.4408
2	1	Disc	1.4006				1.4404	
3	1	Lower stem		ST : 1.4021 50-200 (25 b	•	DNS	1.4404 or 1. 50-200 (25 b	par)/
4	1	Driving shaft Seat	DN!	250-300 (20 AT : 1.4021 50-200 (50 b 250-300 (25	ar)/	DN5	250-300 (20 AT : 1.4542 50-200 (50 b 250-300 (25	bar)/
5	1	Bushing			TFE 25% GI FE 15% Car			
7	2	Lower gasket		Nickel Carbon steel ⁽¹⁾ + PTFE			ckel ohite	Stainless steel ⁽¹⁾ + PTFE
9	1	Gland Packing	PTFE					
10	1	Body			PT	FE		

AT: 1-PIECE SHAFT / ST: 2-PIECES SHAFT (1) 180 °C max. Hard carbon: 220 °C max.

Design Standard	EN593	IS010631
Face to Face Standard	EN558 - S16	IS05752 - S16
Test Standard	EN12266-1 - Rate A	IS05208 - Rate A
Connection Standard	EN1092 EN1759	IS07005

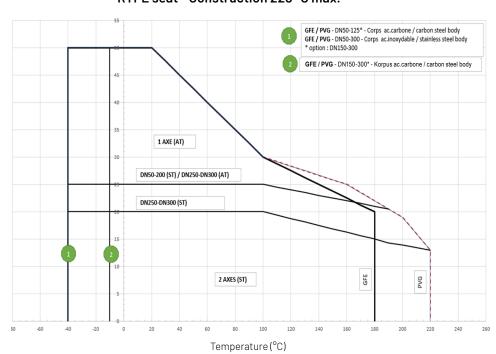
Note: Face to Face S20 on request DN60-125

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Way ∆ P

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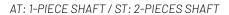
Pressure / Temperature Curves RTFE seat - Construction 220 °C max.



Pressure (bar)

Part List - Metal HT Version (300 °C max.)

			Material					
	Nb	Name		Carbon stee	:I	S	tainless ste	el
			DN 50	DN 65-125	DN 150-300	DN 50	DN 65-125	DN 150-300
1	1	Body	1.6220	A350 - LF2	1.0625	1.4409	1.4404	1.4408
2	1	Disc	1.400	06 + Hard Ch	rome	1.440	4 + Hard Ch	rome
3	1	Lower stem		ST : 1.4021 50-200 (25 b		DNS	1. 4404 or 1. 50-200 (25 b	ar)/
4	1	Driving shaft	DN!	250-300 (20 AT : 1.4021 50-200 (50 b 250-300 (25	ar)/	DN5	250-300 (20 AT : 1.4542 50-200 (50 b 250-300 (25	ar)/
5	1	Seat			1.44	404		
7	2	Bushing		Hard carbon			Hard carbon	
9	1	Lower gasket	Nickel 1.4404			ckel ohite	1.4404	
10	1	Gland Packing	Graphite					
14	1	Gaflex O-ring			1.44	404		



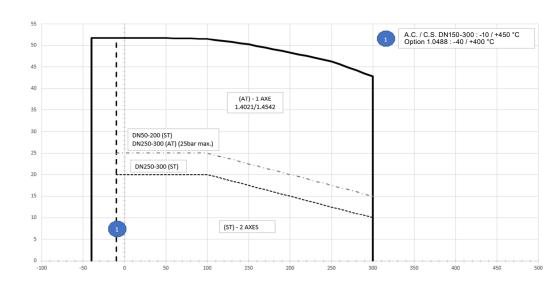
Design Standard	EN593	IS010631
Face to Face Standard	EN558 - S16	IS05752 - S16
Test Standard	EN12266-1 - Rate A	IS05208 - Rate A
Connection Standard	EN1092 EN1759	IS07005

Note: Face to Face S20 on request DN60-125

Pressure (bar)

10 4 5 14 Preferred Way \(\Delta \) P 1 7 3 9

Pressure / Temperature Curves Metal Seat - Design 300 °C max



Temperature (°C)

Part List - Metal HT Version (450 °C max.)

				Material				
	Nb	Name		Carbon stee	ı	St	tainless ste	el
			DN 50	DN 65-125	DN 150-300	DN 50	DN 65-125	DN 150-300
1	1	Body	1.6220	A350 - LF2	1.0625	1.4409	1.4404	1.4408
2	1	Disc	1.400	1.4006 + Hard Chrome		1.4404 + Hard Chrome		rome
3	1	Lower stem	DN	AT : 1.4542	,	DNE	AT : 1.4542	
4	1	Driving shaft	DN50-200 (50 bar) DN250-300 (25 bar)		DN50-200 (50 bar) / DN250-300 (25 bar)			
5	1	Seat		1.4404				
7	2	Bushing		Hard carbon			Hard carbon	
9	1	Lower gasket	Nickel 1.4404			ckel ohite	1.4404	
10	1	Gland Packing	Graphite					
14)	1	Gaflex O-ring			1.44	404		



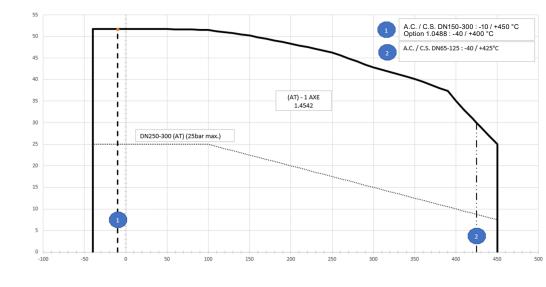
Design Standard	EN593	IS010631
Face to Face Standard	EN558 - S16	IS05752 - S16
Test Standard	EN12266-1 - Rate A	IS05208 - Rate A
Connection Standard	EN1092 EN1759	IS07005

Note: Face to Face S20 on request DN65-125

Pressure (bar)

10 4 Preferred Way \(\Delta \) P

Pressure / Temperature Curves Metal Seat - Design 450 °C max.



Temperature (°C)

Part List - Metal THT Version (550 °C max.)

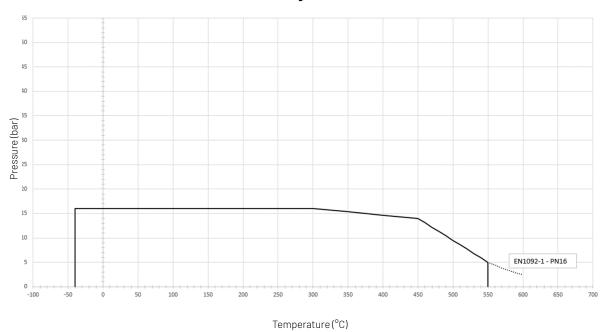
	Nb	Name	Material Stainless steel DN200-250
1	1	Body	1.4408
2	1	Disc	1.4006 + Hard Chromium
3	1	AT Driving shaft	X50CrWV5 + Balinit
5	1	Seat	1.4404 (GAFLEX)
7	2	Bushing	Virium12
9	1	Lower gasket	1.4404
10	1	Gland Packing	Graphite
14	1	Gaflex O-ring	1.4404
		Extension	YES
		Actuator	High Temperature Version

	5	
	14	
	Preferred Way ∆ P	
	2	
	1 3 7 9	

Design Standard	EN593	IS010631	
Face to Face Standard	EN558 - S16	IS05752 - S16	6/
Test Standard	EN12266-1 - Rate D	IS05208 - Rate D	Je J
Connection Standard	EN1092 EN1759	IS07005	*

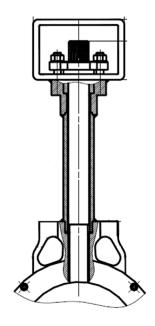


Pressure / Temperature Curves Metal Seat - Design 550 °C max.



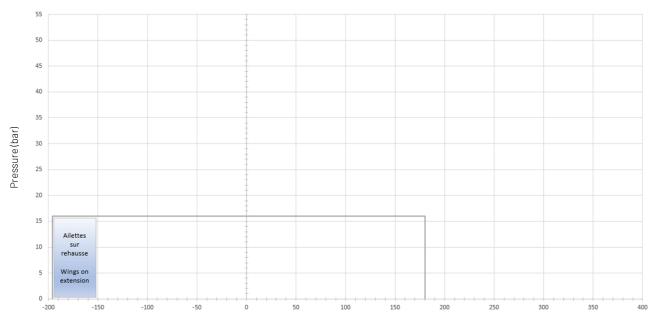
Part List - CRYOGENIC Version (-196 / +180 °C max.)

	Nb	Name	Matière Acier inoxydable			
			DN50	DN65-125	DN150-300	
1	1	Body	1.4409	1.4404	1.4408	
2	1	Disc	1.4004 + Hard Chromium			
4	1	AT Driving shaft	1.4004			
5	1	Seat	1.4404			
7	2	Bushing	Nickel Graphite		Stainless steel + RTFE Glass loaded	
9	1	Lower gasket	PTFE		1.4404	
10	1	Gland Packing	FE	ΞP	FEP	



Design Standard	EN593	IS010631	
Face to Face Standard	EN558 - S16	IS05752 - S16	ø/
Test Standard	EN12266-1 - Rate A	IS05208 - Rate A	4
Connection Standard	EN1092 EN1759	IS07005	

Pressure / Temperature Curves CRYOGENIC Version



Temperature (°C)