



PRODUCT CATALOGUE

WDS3 & LDS3 Wafer & Lugged Series Resilient Seat Butterfly Valves



AGA - APPROVED MANUAL & AUTOMATIC

Product Code System

L	Lugged
W	Wafer
D	Ductile Iron Body (A395 Gr.60-40-18)
S	CF8M / SS316 Disc
3	NBR (Nitrile) Seat
16	16bar / 1600kPa



Technical Specification

- Body Styles: Wafer or Lugged
- Face to Face: EN 558 / ISO 5752
- Size Range: 50mm (2") ~ 200mm (8") AGA-approved
Non-AGA, up to 2000mm (80")
- Flange Ends: Wafer - Universal, suits ANSI 125/150, AS 2129 Table 'E' & 'D', DIN 16 up to 300mm.
Lugged - AS 2129 Table 'E' & 'D'; ANSI 125/150
- Top Flange: ISO 5211
- Pressure Rating: 1.6 Mpa (1600kPa)
- Pressure Test: ISO 5208-15

 Made in Spain	WDS3-16	Flange Standard: ANSI/E/D
	Body:DI A395	Max.Pressure: 16 bar
	Disc :CF8M	Temperature: -10°C+80°C
	Liner:NBR	Serial Number: 22/0000
	Shaft:1.4021	

 Made in Spain	LDS3-16	Flange Standard: Table E
	Body:DI A395	Max.Pressure: 16 bar
	Disc :CF8M	Temperature: -10°C+80°C
	Liner:NBR	Serial Number: 22/0000
	Shaft:1.4021	

 Made in Spain	LDS3-16	Flange Standard: ANSI 150
	Body:DI A395	Max.Pressure: 16 bar
	Disc :CF8M	Temperature: -10°C+80°C
	Liner:NBR	Serial Number: 22/0000
	Shaft:1.4021	

AGA Approvals



Manual Shut-off Class 1
AS 4617 - 2018
(Incl Amdt. 1)
Certificate No. 9020

Automatic Shut-off & Vent
Valves Class 1
AS 4629 - 2005
(Incl. Amdt 1 & 2)
Certificate No. 9021

Temperature tested by AGA
-10°C~ 80°C
Pressure Tested by AGA
1.6Mpa (1600kPa)

Features & Advantages

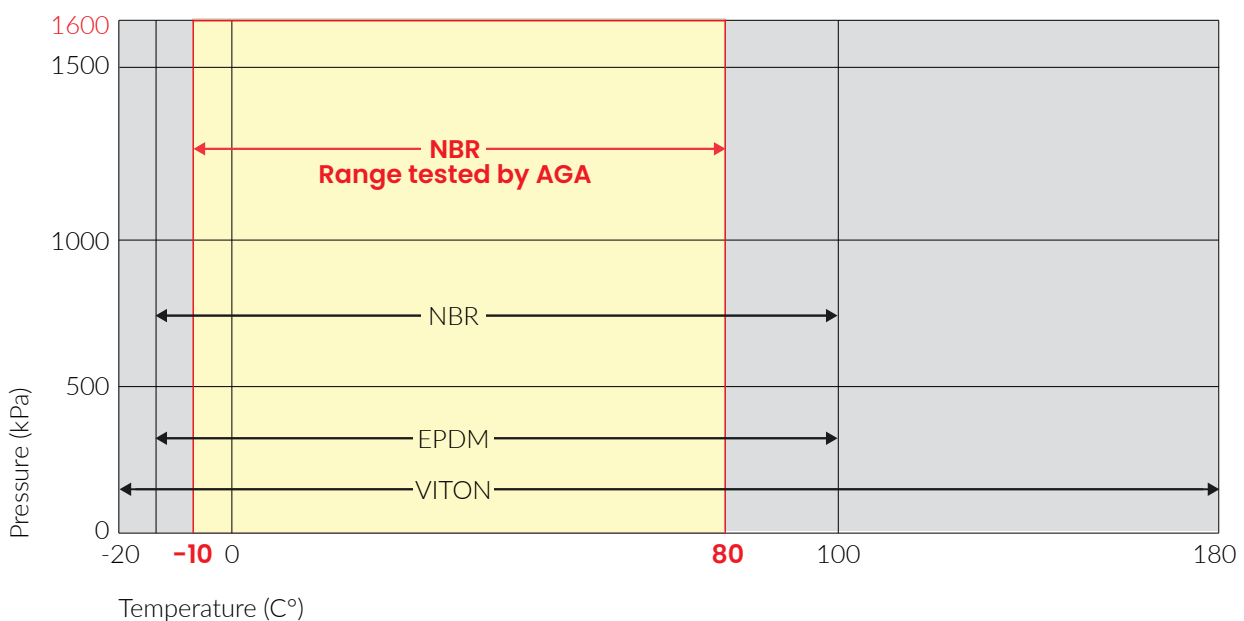
In comparison to other valve types, technical and economic advantages can be found in the butterfly valve due to its minimum pressure drop and low torque.

From an economical point of view, the best valve is the butterfly valve, as the most important manufacturing costs are: raw material, machining, handling and installation. All these factors make the balance tip towards the butterfly valve.

Concentric butterfly valves also have the following special technical features:

- Full watertightness is achieved, thanks to a resilient rubber seat liner which gives bidirectional sealing; therefore, gasket joints are unnecessary when assembling between flanges.
- Due to the encircling seat liner system covering inside the body of the valve, the fluid only comes in contact with the seat liner itself and the disc. This seat has no cavities for the retention of line fluid.
- The nature of fluid, pressure, temperature and further factors of the line must be considered when choosing parts in contact with the fluid. Various seat and disc options ensure valves compatibility to line media.
- As the butterfly valve has a weight and assembly dimensions lower than those of other type of valves with the same Nominal Diameter, this makes the transport, handling, assembling, lifting equipment, etc., less expensive. It also requires less room to be stored as well as a lower maintenance and/or repair cost.

Pressure Temperature Chart



Particular Attributes of the "Razvalve Series" Resilient Seated Butterfly Valve



Our butterfly valves have all the advantages of these types of valves as well as a full warranty for the user, as it is manufactured in compliance with the strictest quality standards set by ISO-EN 9001.



- Manufactured 100% in Europe - Spain (this includes raw material castings, parts, machining, assembly & testing of manual valves).
- The Rubber Mix NB-70 549 (NBR - Nitrile) for Seat Liners has been developed specifically for Gas usage based on the requirements 549 A2 regulation and certified by Industrias Del Caucho A.R.H., S.L., Madrid, Spain.
- Coating & Valve Body Protection ensuring long service life. All bodies are sand blasted and degreased, to ensure a perfect coating or paint adhesion. All bodies are coated with RILSAN®, polyamide B-11 blue (approx. RAL 5010) with an approximate paint thickness of 250 um. Rilsan® is also resistant to sea water corrosion and is a coating for products to be in contact with drinking water, intended for human consumption.
- Light weight for operational efficiency in piping.
- Fast assembly and disassembly.
- Minimum pressure drop.
- Easy and safe to use.
- Bi-directional bubble-tight sealing.

Our valves have other additional advantages, such as:

- Total and permanent watertightness up to 16 bar.
- No gaskets necessary for installation between flanges.
- Stem Chevron Seal exclusive design, for external & internal leak prevention.
- Stem retention bushing eliminates blow-out proof stems & OH&S issues.
- Maintenance free.
- Liners easy to replace.
- Due to the Disc - Shaft connection design with no pins, screws or keys and tight machining tolerances of its components, all parts of the valve are interchangeable.
- Extreme low operating torques which extends valve service life and economic selection of actuation.
- Possibility to use it as control (regulating) valve.
- Self-cleaning.
- Cavity free.
- Centering holes enable correct alignment and fast installation, with easy assembly in the pipeline.
- Levers are fitted with notch plates and can be locked in various positions.
- Integral ISO 5211 actuator mounting flange allows for actuator or gearbox fitment.
- Enables the use of insulation in heat-resistant installations.
- Quality identification for material: each Body, Disc and Liner is marked with its code number to have a perfect quality traceability of the materials used for their production. Thus with the Heat 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.
- Descriptive label indicating: name of manufacturer, valve figure description, maximum working pressure, maximum working temperature, flange standard and country of origin (see page 2).
- Thermo-contractive polyethylene individually packaged valves for reduced damage in transport and storage.



Valve Design & Parts

Nylon-6 Retention Bushing

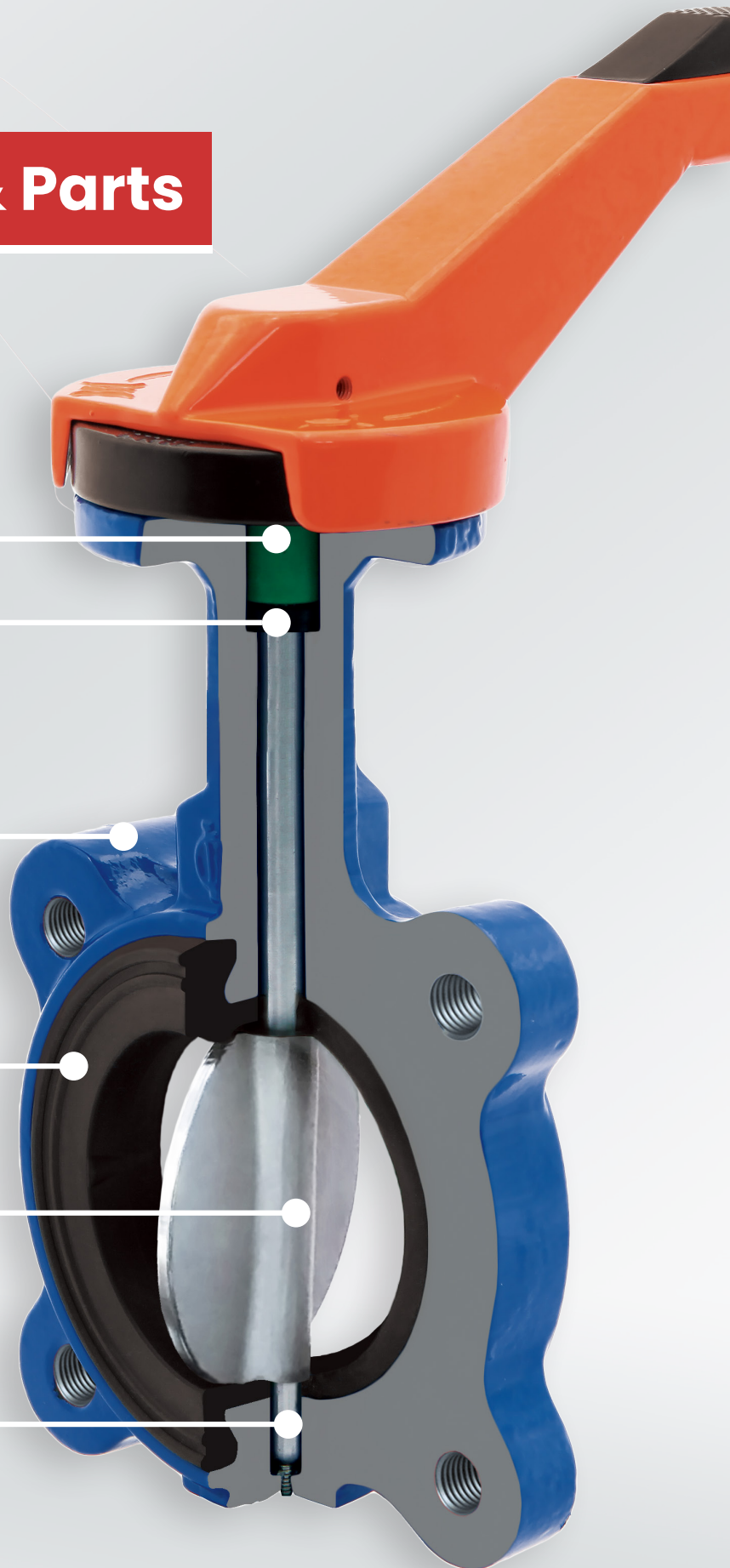
BUNA-N Chevron Seal

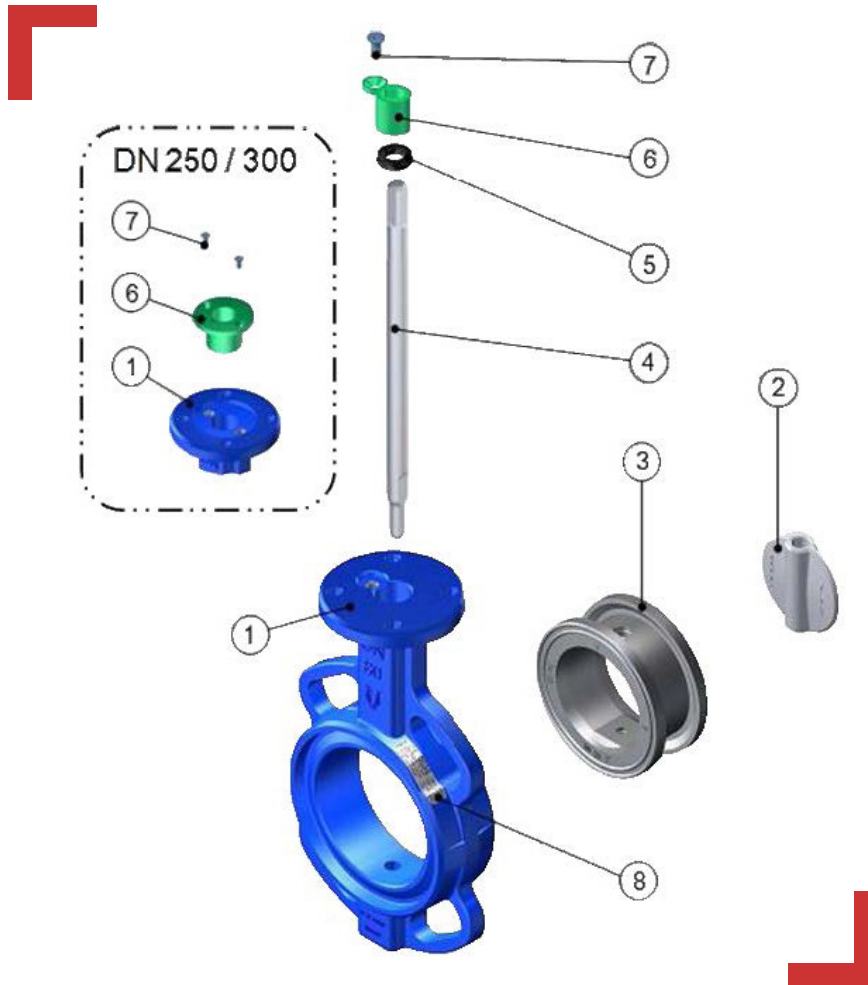
Rilsan Coated DI Body

NBR Nitrile Seat

SS CF8M Disc

1-Pce SS Shaft





Rilsan Coated

Ductile Iron Body



Chevron-Type

Body/Shaft Seal

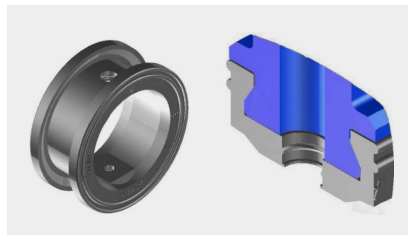


SS CF8M Disc



Nylon-6 Retention Bushing

Retention Bushing



NBR - Nitrile Seat

Fully Machined Fit to Valve Body



1-Pce SS Stem

Item	Description	Materials	Quantity
1	Body	Ductile Iron	1
2	Disc	CF8M / 316SS	1
3	Seat	NBR - Nitrile	1
4	Shaft	Stainless Steel	1
5	Chevron Seal	BUNA-N	1
6	Retention Bushing	NYLON-6	1
7	Bolt For Retention Bushing (DIN - 7991)	Stainless Steel	(*)
8	Label with Data	PVC	1

(*) Up to DN-200, quantity 1. For DN-250 and DN-300, quantity 2.

AGA Certificates & Tagging

AGA CERTIFIED PRODUCT

Certificate Holder: RAZVALVE PACIFIC PTY LTD

ABN/ACN No. (if applicable): 76 132 617 399

Agent (if applicable): N/A

Type of Component: Manually Operated Shut-Off Valve Type 1, Butterfly Valve

Model No. & Description: Razvalve Model: LDS3-16 Series: DN: 50mm, 65mm, 80mm, 100mm, 125mm, 150mm & 200mm.

WDS3-16 Series: DN: 50mm, 65mm, 80mm, 100mm, 125mm, 150mm & 200mm.

Working Pressure rating: 1,600kPa
Working Temperature Range: -10°C-80°C

Relevant Standard(s): AS 4617 – 2018 (Inc. Amendment 1)

This is to certify that the particular COMPONENT specifically described herein and supplied to The Australian Gas Association (hereafter called the AGA) by the Certificate Holder named above has been subject to "type-testing" and assessed by the AGA to comply with the requirements of the AGA's Product Certification Scheme for Type Tested Gas Products.

This Certificate is issued on the express conditions that:

- (i) The Certificate Holder undertakes to comply with the Rules Governing The AGA's Product Certification Scheme (hereafter called the Rules Governing);
- (ii) This Certificate remains the property of the AGA; and
- (iii) The AGA reserves the right to cancel this Certificate in accordance with the Rules Governing, and in such an event the Certificate Holder undertakes to surrender the Certificate to the AGA upon request.

Client Manager: T. Tang

Certificate Authorised: [Signature]

Certificate No: 9020

Certificate first issued: 19 December 2022

This copy valid from: 19 December 2022

Refer specification issue: 01

This Certificate issued by The Australian Gas Association ABN 98 004 236 044

Manual Valve Lever Handle Data

RAZVALVE PACIFIC
Made in Spain

AGA CERTIFICATE No.
AGA 9020 G
AS 4617 – 2018 (Incl. Amd. 1)
Max. Pressure: 16 bar
Temperature: -10°C+80°C

AGA CERTIFIED PRODUCT

Certificate Holder: RAZVALVE PACIFIC PTY LTD

ABN/ACN No. (if applicable): 76 132 617 399

Agent (if applicable): N/A

Type of Component: Automatic Shut-Off or Vent Valve, Class 1

Model No. & Description: Razvalve Model: LDS3-16 Series: DN: 50mm, 65mm, 80mm, 100mm, 125mm, 150mm & 200mm.

WDS3-16 Series: DN: 50mm, 65mm, 80mm, 100mm, 125mm, 150mm & 200mm.

Working Pressure rating: 1,600kPa, Working Temperature Range: -10°C-80°C

Actuator: EA-SRXXX Series
Solenoid Options: Burkert 6519 & 6518 Series & Power-Genex: ESV-S Series
Valve position monitor with built-in solenoid valve (without override): Power-Genex: LSB-7000 Series (with built-in Solenoid valve)
Valve position monitor - optional: Power-Genex: LSB3000 series, ACHEM: ALS-200M2, ALS400M2, ALS-500M2 & ALS-500PP22 series
Air filter regulator & gauge - Optional: Shako, Norgren, SMC
Air Relief valve - Optional: Swagelok, Norgren, SMC

Relevant Standard(s): AS 4629 – 2005 (Inc. Amendment 1&2)

This is to certify that the particular COMPONENT specifically described herein and supplied to The Australian Gas Association (hereafter called the AGA) by the Certificate Holder named above has been subject to "type-testing" and assessed by the AGA to comply with the requirements of the AGA's Product Certification Scheme for Type Tested Gas Products.

This Certificate is issued on the express conditions that:

- (i) The Certificate Holder undertakes to comply with the Rules Governing The AGA's Product Certification Scheme (hereafter called the Rules Governing);
- (ii) This Certificate remains the property of the AGA; and
- (iii) The AGA reserves the right to cancel this Certificate in accordance with the Rules Governing, and in such an event the Certificate Holder undertakes to surrender the Certificate to the AGA upon request.

Client Manager: T. Tang

Certificate Authorised: [Signature]

Certificate No: 9021

Certificate first issued: 12 January 2023

This copy valid from: 12 January 2023

Refer specification issue: 01

This Certificate issued by The Australian Gas Association ABN 98 004 236 044

Automatic Valve Name Plate Data

Australian Standard AS 4629-2005 (Amdt 1 & 2)
AGA Certificate No. AGA 9021 G

Automatic Shut-off Valves, Class 1
 Automatic Vent Valves, Class 1

Razvalve Butterfly Model: <input type="checkbox"/> LDS3-16 <input type="checkbox"/> WDS3-16	
Ends: <input type="checkbox"/> Lugged <input type="checkbox"/> 150 <input type="checkbox"/> E <input type="checkbox"/> D <input type="checkbox"/> Wafer 150#, E, D	
Serial No:	M/Y: P/T: <input type="checkbox"/> 1600kPa / -10°C-80°C
Emico Actuator: EA-SR <input type="checkbox"/> AFR <input type="checkbox"/> ARV	
Solenoid: <input type="checkbox"/> 6519 <input type="checkbox"/> ESV <input type="checkbox"/> LSB-7000 <input type="checkbox"/> GP <input type="checkbox"/> EX	
Limit Switch: ALS- <input type="checkbox"/> 400M2 <input type="checkbox"/> 500M2 <input type="checkbox"/> 200M2 / LSB- <input type="checkbox"/> 3000 <input type="checkbox"/> 7000	

03 9764 1149

Butterfly Valve Actuation Details

- Razvalve WDS3-16 & LDS3-16 Wafer & Lugged Butterfly valves fitted with Spring Return Pneumatic Actuators.
- Razvalve butterfly valves have ISO 5211 mounting pads for actuation.
- Valves have actuators sized for full rated valve line pressure of 1600kPa, and based on 550ka air supply.
- Automatic butterfly valve packages are available for Shut-off as well as Vent applications.
- Minimum 50% safety factor has been considered for gas sizing applications.
- Direct mount of actuators using conversion flange & bolting.
- Actuators have NAMUR-standard air connections and accessory mounts. Also available for piped connections depending on solenoid option fitted.
- Bolt-on accessories include solenoid valves, limit switches, air filter regulators, air relief valve. Available in various power voltages and Explosion Proof, Intrinsically Safe & General Purpose.



RAZVALE Butterfly Valves		Actuator Model	Solenoid Valve	Limit Switch	Others
Part No.	Size (mm)	Spring Return	3/2-Way		
WDS3-16 LDS3-16	50	EA-SR75/11	6519 / ESV-S	LSB-3000 / LSB-7000 / ALS-200M2	Filter Regulator / Relief Valve
	65	EA-SR83/11			
	80	EA-SR92/10			
	100	EA-SR105/11			
	125	EA-SR105/12			
	150	EA-SR125/10			
	200	EA-SR160/11			

Refer to Drawings and Technical Bulletin for detailed information.



Manual Valve Dimensional Drawings

Wafer Design Lever Operated WDS3-16

LEVER WITH 9 INTERMEDIATE POSITIONS AND LOCKING DEVICE

ISO-5752/20
EN 558/20

STANDARD FLANGES ASSEMBLY

MAX PRESS 16 BAR

LOCKING DEVICE (PADLOCK NOT INCLUDED)
MAX. DIAM. 4,5mm

VALVES DESIGNED TO SUIT EITHER
DN PN4/10/16, ASME B16.3 150 Lbs., 6 B.S., 10-10/E
(ANY OTHER STANDARD ON REQUEST)

POS.	QTY.	DENOMINATION	MATERIAL
1	1	BODY	AS PER ORDER
2	1	DISC	AS PER ORDER
3	1	SEAT	AS PER ORDER
4	1	TORSION SHAFT	STAINLESS STEEL
5	1	"CHEVRON" SHAFT SEAL	BUNA-N
6	1	RETENTION BUSHING	NYLON-6 NATURAL
7	1	BOLT FOR RETENTION BUSHING (DN - 7991)	STAINLESS STEEL
8	1	LEVER	ALUMINIUM EPOXY PAINTED
9	1	NOTCH PLATE	ALUMINIUM EPOXY PAINTED
10	2	WASHER (DN - 6798/A)	STAINLESS STEEL
11	2	ASSEMBLY BOLT (DN - 912)	STAINLESS STEEL
12	1	LABEL WITH FEATURES	PVC

NOMINAL DIAMETER	VALVE GENERAL DIMENSIONS					ACTUATOR GENERAL DIMENSIONS					WEIGHT (Kg)	"Q"	
	A	B	Ø C	E	J	K	Ø L	M	N	P			
50	2"	140	83	102	43	45	210	90	26	62	30	3,7	31
65	2 1/2"	152	93	122	46	45	210	90	26	62	30	4,4	31
90	3"	159	99	130	48	45	210	90	26	62	30	4,7	70
100	4"	178	111	159	52	45	210	90	26	62	30	6,1	90

SET: BUTTERFLY VALVE WDS 3-16 DN. 50 400 (2" - 4") DESIGNED BY: U.S.G.

DENOMINATION: WAFER TYPE REF: S.100-P/15 CHECKED BY: J.B.F.

DRAWING NUMBER: W-015 REV: 00 DATE: 17-02-21 SCALE: ACTUATOR: LEVER WEIGHT (lbs.): APPROVED BY: V.A.G.

Bench marks in mm

LEVER WITH 10 INTERMEDIATE POSITIONS AND LOCKING DEVICE

ISO-5752/20
EN 558/20

STANDARD FLANGES ASSEMBLY

MAX PRESS 16 BAR

LOCKING DEVICE (PADLOCK NOT INCLUDED)
MAX. DIAM. 8mm

VALVES DESIGNED TO SUIT EITHER
DN PN4/10/16, ASME B16.3 150 Lbs., 6 B.S., 10-10/E
(ANY OTHER STANDARD ON REQUEST)

POS.	QTY.	DENOMINATION	MATERIAL
1	1	BODY	AS PER ORDER
2	1	DISC	AS PER ORDER
3	1	SEAT	AS PER ORDER
4	1	TORSION SHAFT	STAINLESS STEEL
5	1	"CHEVRON" SHAFT SEAL	BUNA-N
6	1	RETENTION BUSHING	NYLON-6 NATURAL
7	1	BOLT FOR RETENTION BUSHING (DN - 7991)	STAINLESS STEEL
8	1	LEVER	ALUMINIUM POLYESTER PAINTED
9	2	ASSEMBLY BOLT (DN - 933)	STAINLESS STEEL
10	2	WASHER (DN - 6798/A)	STAINLESS STEEL
11	2	NUT (DN - 934)	STAINLESS STEEL
12	1	LABEL WITH FEATURES	PVC

NOMINAL DIAMETER	VALVE GENERAL DIMENSIONS					ACTUATOR GENERAL DIMENSIONS					WEIGHT (Kg)	"Q"	
	A	B	Ø C	E	J	K	Ø L	M	N	P			
125	5"	191	127	189	56	45	320	100	25	95	58	8,2	116
150	6"	203	143	214	56	45	320	100	25	95	58	9,7	143
200	8"	245	172	269	60	45	320	100	25	95	58	14,3	195

SET: BUTTERFLY VALVE WDS 3-16 DN 125 - 200 (5" - 8") DESIGNED BY: U.S.G.

DENOMINATION: WAFER TYPE REF: S.100-P/17 CHECKED BY: J.B.F.

DRAWING NUMBER: W-017 REV: 00 DATE: 17-02-21 SCALE: ACTUATOR: LEVER WEIGHT (lbs.): APPROVED BY: V.A.G.

Bench marks in mm

Lugged Design Lever Operated LDS3-16

LEVER WITH 9 INTERMEDIATE POSITIONS AND LOCKING DEVICE

(ISO-5752/20) (EN 558/20)

LOCKING DEVICE (PADLOCK NOT INCLUDED) MAX. DIAM. 4,5mm

SCREW TO LOCK THE LEVER WITH THE SHAFT

SEAT BATCH NUMBER

DISC HEAT NUMBER

BODY MATERIAL CODE

DISC MATERIAL CODE

SEAT MATERIAL CODE

PN 10		PN 16		ASME B16.5 150 Lbs.	
DN	PN 10	PN 16	ASME B16.5	150 Lbs.	150
80	200	200	200	200	191
POS.	QTY.	DENOMINATION		MATERIAL	
1	1	BODY		AS PER ORDER	
2	1	DISC		AS PER ORDER	
3	1	SEAT		AS PER ORDER	
4	1	TORSION SHAFT		STAINLESS STEEL	
5	1	"CHEVRON" SHAFT SEAL		RUBBER	
6	2	RETENTION BUSHING		NITROGEN NATURAL	
7	1	BOLT FOR RETENTION BUSHING (DN-1995)		STAINLESS STEEL	
8	1	LEVER		ALUMINUM EPDM PAINTED	
9	1	WASHER (DN-4750A)		STAINLESS STEEL	
10	2	ASSEMBLY BOLT (DN-912)		STAINLESS STEEL	
11	1	NUT (DN-934)		STAINLESS STEEL	
12	1	LABEL WITH FEATURES		PVC	

DRILLING STANDARDS											
NOMINAL DIAMETER		EN 1092-142 PN10			EN 1092-142 PN16			ASME B 16.5 150 Lbs.			
mm	Inch.	THREAD	G	Ø1	THREAD	G	Ø1	THREAD	G	Ø1	
50	2"	M16	30	125	M16	30	125	3/4" UNC	114	30	125,7
65	2 1/2"	M18	30	145	M18	30	145	3/4" UNC	114	30	125,7
80	3"	M20	30	165	M20	30	165	3/4" UNC	114	30	125,7
100	4"	M24	45	185	M24	45	185	3/4" UNC	114	30	125,7
150	6"	M30	60	245	M30	60	245	3/4" UNC	114	30	125,7

ANY OTHER STANDARD ON REQUEST													
NOMINAL DIAMETER		VALVE GENERAL DIMENSIONS			ACTUATOR GENERAL DIMENSIONS			WEIGHT (Kg)		"Q"			
mm	Inch.	A	B	Ø C	E	J	K	Ø L	M	N	P		
50	2"	140	56	152	43	45	210	90	26	62	30	3,6	31
65	2 1/2"	152	63	178	46	45	210	90	26	62	30	4,7	51
80	3"	158	71	171	46	45	210	90	26	62	30	6,4	70
100	4"	178	87	229	52	45	210	90	26	62	30	8,4	90

DESIGNED BY: U.S.G.
 CHECKED BY: J.B.F.
 REF.: S.500-P/11
 DRAWING NUMBER: L-011
 REV.: 00
 DATE: 17-02-21
 SCALE: -
 ACTUATOR: LEVER
 WEIGHT (Lbs.): SEE TABLE
 APPROVED BY: V.A.G.

LEVER WITH 10 INTERMEDIATE POSITIONS AND LOCKING DEVICE

(ISO-5752/20) (EN 558/20)

LOCKING DEVICE (PADLOCK NOT INCLUDED) MAX. DIAM. 8mm

REMOVE PLASTIC COVER TO ACCESS THE LEVER LOCKING SCREW WITH THE TORSION SHAFT. USE 5mm ALLEN WRENCH. THEN PUT THE PLASTIC COVER IN PLACE.

SEAT BATCH NUMBER

DISC HEAT NUMBER

BODY MATERIAL CODE

DISC MATERIAL CODE

SEAT MATERIAL CODE

PN 10		PN 16		ASME B16.5 150 Lbs.	
DN	PN 10	PN 16	ASME B16.5	150 Lbs.	150
200	140	170	140	200	140
POS.	QTY.	DENOMINATION		MATERIAL	
1	1	BODY		AS PER ORDER	
2	1	DISC		AS PER ORDER	
3	1	SEAT		AS PER ORDER	
4	1	TORSION SHAFT		STAINLESS STEEL	
5	1	"CHEVRON" SHAFT SEAL		RUBBER	
6	2	RETENTION BUSHING		NITROGEN NATURAL	
7	1	BOLT FOR RETENTION BUSHING (DN-1995)		STAINLESS STEEL	
8	1	LEVER		ALUMINUM POLYESTER PAINTED	
9	2	ASSEMBLY BOLT (DN-912)		STAINLESS STEEL	
10	1	WASHER (DN-4750A)		STAINLESS STEEL	
11	2	NUT (DN-934)		STAINLESS STEEL	
12	1	LABEL WITH FEATURES		PVC	

DRILLING STANDARDS											
NOMINAL DIAMETER		EN 1092-142 PN10			EN 1092-142 PN16			ASME B 16.5 150 Lbs.			
mm	Inch.	THREAD	G	Ø1	THREAD	G	Ø1	THREAD	G	Ø1	
125	5"	M18	45	210	M18	45	210	3/4" UNC	114	45	215,5
150	6"	M20	45	240	M20	45	240	3/4" UNC	114	45	215,5
200	8"	M24	60	300	M24	60	300	3/4" UNC	114	45	215,5

ANY OTHER STANDARD ON REQUEST													
NOMINAL DIAMETER		VALVE GENERAL DIMENSIONS			ACTUATOR GENERAL DIMENSIONS			WEIGHT (Kg)		"Q"			
mm	Inch.	A	B	Ø C	E	J	K	Ø L	M	N	P		
125	5"	191	102	254	56	45	320	100	25	95	58	10,6	116
150	6"	203	122	280	56	45	320	100	25	95	58	12,3	143
200	8"	245	171	340	60	45	320	100	25	95	58	19,1	195

DESIGNED BY: U.S.G.
 CHECKED BY: J.B.F.
 REF.: S.500-P/13
 DRAWING NUMBER: L-013
 REV.: 00
 DATE: 17-02-21
 SCALE: -
 ACTUATOR: LEVER
 WEIGHT (Lbs.): SEE TABLE
 APPROVED BY: V.A.G.

Wafer WDS3-16 & Lugged LDS3-16 Lever Operated Bare Stem

RAZVALVE MODEL: WDS3-16

VALVES DESIGNED TO SUIT EITHER
 DIN PN10/16, ASME B16.5 TOLLS OR BS 1040E
 (ANY OTHER STANDARD ON REQUEST)

POS.	QTY.	DENOMINATION	MATERIAL
1	1	BODY	AS PER ORDER
2	1	ORBC	AS PER ORDER
3	1	SEAT	AS PER ORDER
4	1	TORSION SHAFT	STAINLESS STEEL
5	1	CHEVRON SHAFT SEAL	EPDM-N
6	1	RETENTION BUSHES	NYLON4-NATURAL
7	1	SOCKET FOR RETENTION BUSHING (DN-700)	STAINLESS STEEL
8	1	LABEL WITH FEATURES	PVC

NOMINAL DIAMETER	BODY GENERAL DIMENSIONS										ACTUATORS ASSEMBLY ACCORDING TO ISO-5211										WEIGHT (Kg)	TORQUE AT 16 bar (Nm)
	mm	Inch	A	B	Ø C	D	E	TYPE	Ø J	K	L	Ø M	N	Ø	Ø R	Ø T						
50	2"	140	83	102	12	43	F407	8	70	80					26	132	11	3.3	31	15		
65	2 1/2"	152	93	122	12	46	F407	9	70	90					26	132	11	4	33	20		
80	3"	158	98	130	12	48	F407	9	70	90					30	132	11	4.3	37	25		
100	4"	178	111	158	14	52	F407	8	70	80					30	168	14	5.7	80	40		
125	5"	191	127	188	14	56	F407	9	70	90					30	168	14	7.8	116	60		
150	6"	203	143	214	15	58	F407	9	70	90					33	204	17	9.9	143	80		
200	8"	245	172	269	15	60	F407	8	70	90					33	204	17	13.5	195	100		
250	10"	275	204	311	17	68	F407	11	102	120	70	3	47	28	22	22.8	243	24.3	250	200		
300	12"	315	242	380	17	78	F407	11	102	120	70	3	47	28	22	11.7	293	300	300	300		

SET: BUTTERFLY VALVE DN 50 - 300 (2" - 12") DESIGNED BY: J.J.G.

DENOMINATION: WAFFER IYFF REF: S.100-E/01 CHECKED BY: A.S.M.

DRAWING NUMBER: W-001 REV. DATE: 17-11-15 SCALE: ACTUATOR: BARE SHAFT WEIGHT (lbs.): APPROVED BY: V.A.G.

Bench marks in mm

RAZVALVE MODEL: LDS3-16

ANY OTHER STANDARD ON REQUEST

NOMINAL DIAMETER	EN 1092-142 PN10										EN 1092-142 PN16										WEIGHT (Kg)	TORQUE AT 16 bar (Nm)
	mm	Inch	THREAD	G	Ø I	Ø J	Ø K	Ø L	Ø M	N	Ø	Ø R	Ø T									
50	2"	M16	90	125	M16	90	125	3/4" UNF	90	120.3					26	132	11	3.2	31	15		
65	2 1/2"	M16	90	145	M16	90	145	3/4" UNF	90	138.7					26	132	11	4.3	37	25		
80	3"	M16	45	160	M16	45	160	3/4" UNF	90	152.4					30	168	14	5.7	80	40		
100	4"	M16	45	180	M16	45	180	3/4" UNF	90	168.3					30	168	14	7.8	116	60		
125	5"	M16	45	210	M16	45	210	3/4" UNF	90	188.3					33	204	17	9.9	143	80		
150	6"	M20	45	240	M20	45	240	3/4" UNF	90	214.3					33	204	17	13.5	195	100		
200	8"	M20	45	280	M20	30	280	3/4" UNF	90	258.3					33	204	17	18.8	188	100		
250	10"	M20	30	350	M20	30	350	7/8" UNF	90	318.3					37	243	22	24.3	250	200		
300	12"	M20	30	400	M20	30	410	7/8" UNF	90	371.8					40.3	293	24.3	300	300	300		

SET: BUTTERFLY VALVE DN 50 - 300 (2" - 12") DESIGNED BY: J.J.G.

DENOMINATION: LUG TYPE REF: S.100-E/01 CHECKED BY: A.S.M.

DRAWING NUMBER: L-001 REV. DATE: 12-01-12 SCALE: ACTUATOR: BARE SHAFT WEIGHT (lbs.): APPROVED BY: V.A.G.

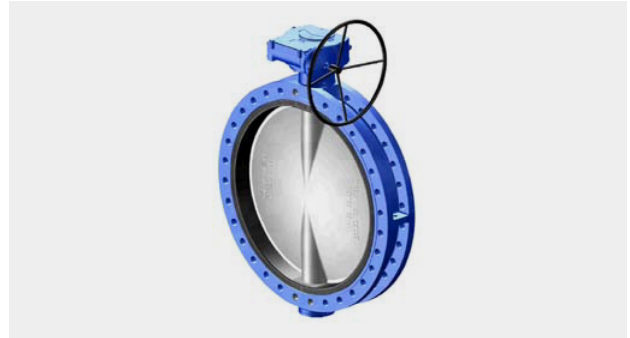
Bench marks in mm

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Large Diameter up to 2000mm



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