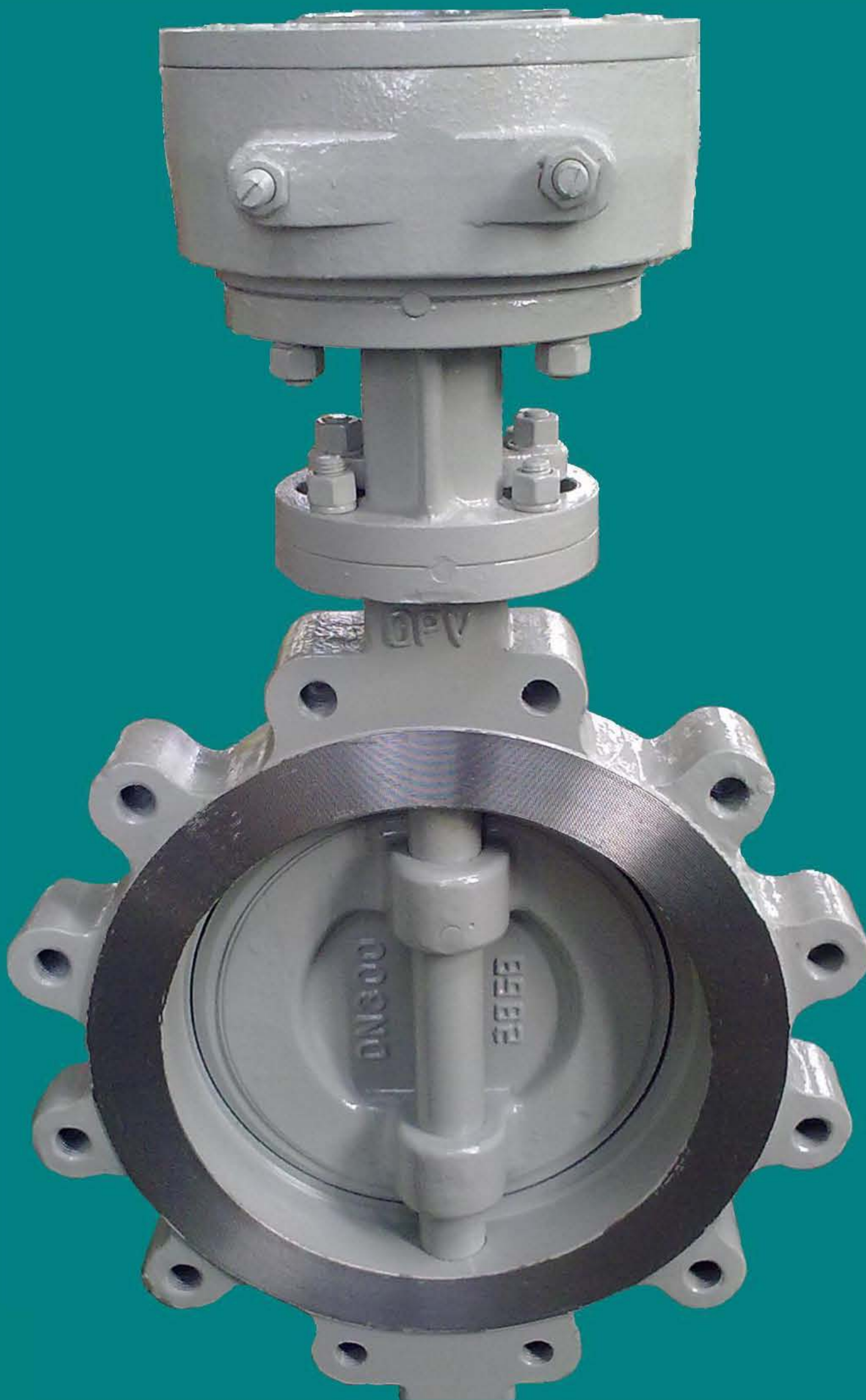




DPV - UK LTD

API 609 Butterfly Valves



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API 609 BUTTERFLY VALVES

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HOW TO ORDER

T 01 A C - M X F G

Valve Type	Class	Body	Materials Internals	-	Seat type	Seat Material	Ends	Design Prefix
C - Centric	01 - 150		A - A216 WCB		L - Lined	E - EPDM	B - Butt Weld	G - Gear
D - Double	03 - 300		B - A351 CF8		M - Metal	N - Nitrile / Buna N	F - Flanged	L - Lever
T - Triple	06 - 600		C - A351 CF8M		S - Soft Insert	P - PTFE	L - Lugged	X - Other
	09 - 900		D - A352 LCC			R - RPTFE	W - Wafer	
	15 - 1500		E - A217 C5			G - Graphoil		
			F - A217 WC6			V - Viton		
			G - DUPLEX			X - Other		
			H - IRON					
			J - A182 F347					
			K - ALLOY 20					
			L - A182 F321					
			M - MONEL					
			N - ALLOY 825					
			P - Ali Bronze					
			X - A182 F1					

The above example shows: Triple offset butterfly valve, class 150lb, WCB body, CF8M internals, Metal seated, Seat material as per body / disc, flanged ends, gear operated.

COMPANY INTRODUCTION

Consistent product quality and availability of substantial stock makes **DPV®** a dependable choice for butterfly valves where total reliability is of the utmost concern.

DPV® manufactures valves to industry and international standard specifications, or to customer specified requirements, both promptly and economically.

DPV® maintains an extensive quality system which complies with the requirements of major oil companies, industry standards and to the ISO 9000 Standard.

DPV® butterfly valves are manufactured in compliance with the requirements of API 609 and pressure tested in accordance with API 609 (or API 598) standard.

Materials of construction include the ASTM A216 and ASTM A352 range of carbon steels, the ASTM A217 range of alloy steels, and the ASTM A351 and ASTM A890 range of corrosion-resistant steels; as well as cast and ductile iron castings.

Environmentally Friendly Valves

In concert with customers' continual efforts to both reduce the cost of ownership and comply with local environmental requirements.



API 609 BUTTERFLY VALVES

Title

Multi-Flanged Wafer Type Butterfly Valve

To be installed between Flanges, PN6/PN10/PN16, ANSI 150, BS10 TABLE D/E and JIS 5K/10K, Ductile Iron GGG40 Body Blue Epoxy Coated Disc, AISI 420 Stainless Steel Shaft, Replaceable Liner, Lever Operated up to DN300 Direct Mount ISO pad



Material List

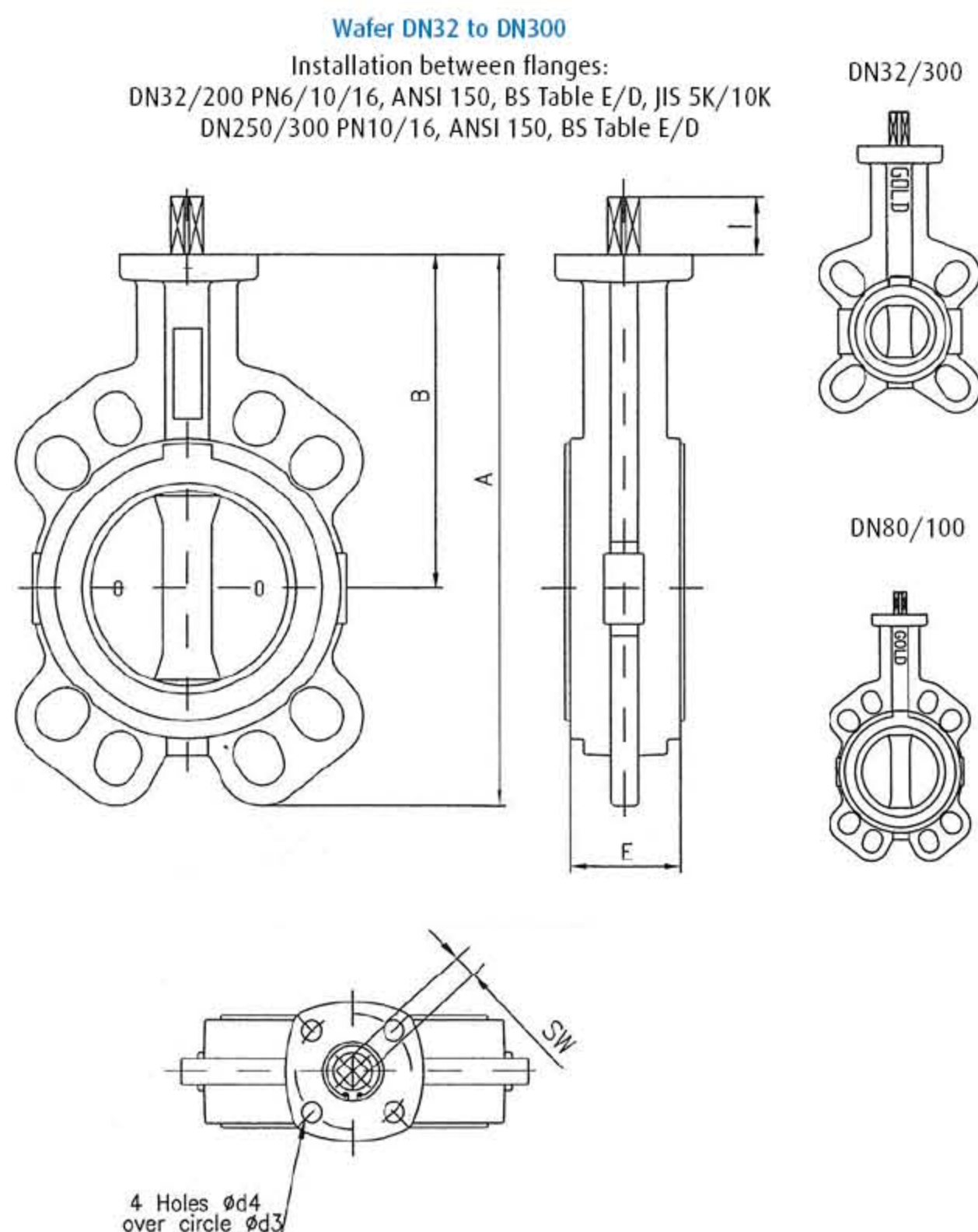
Body	GGG40
Disc	GGG40/CF8M
Liner	EPDM/NBR
Shaft	Steel AISI-420
Lower Shaft	Steel AISI-420
Upper Bearing	Steel PTFE (DN32/200) / Bronze B-62 (DN250/300)
Lower Bearing	Steel PTFE (DN32/200) / Bronze B-62 (DN250/300)

O-Ring	NBR
Pin	Steel
Plug	Steel
Washer	Steel
Circlip	Steel

Pressure/Temperature Ratings

Max Pressure 16 Bar,
BUNA Temperature Range -10°C +100°C
EPDM Temperature Range -20°C +95°C,
Note 300mm and above are not Multi- Flanged PN10 only

Dimensions



DN	A	B	E(1)	I	SW	Top Flange		
						d3	d4	ISO 5211
32	181	125	33	22	11	50	6.5	F05
40	181	125	33	22	11	50	6.5	F05
50	202	140	43	22	11	50	6.5	F05
65	225	156	46	21	11	50	6.5	F05
80	253	161	46	21	11	50	6.5	F05
100	288	181	52	21	11	50	6.5	F05
125	310	195	56	20	14	70	8.5	F07
150	340	210	56	22	14	70	8.5	F07
200	394	237	60	22	17	70	8.5	F07
250	464	262	68	28	22	102	11.0	F10
300	540	300	78	28	22	125	14.0	F12

* Bigger sizes upon request

- 1 Values valid for water at room temperature or clean fluids with similar lubricant features.
- 2 For air or gases chart values to be increased in 30%.
- 3 For greasy fluids or hydrocarbons chart values to be decreased in 15%.
- 4 Apply safety factor 1.3
- 5 Torque values for pressures lower than the nominal pressure can only be used if the spherical diameter of the disc has been reduced in our premises upon request.



API 609 BUTTERFLY VALVES

Title

Lugged & Tapped Type Butterfly Valve

To suit Flanges PN6/10/PN16, ANSI 150, BS 10 Table
D/E, JIS 5K/10K, Ductile Iron GGG40 Body Blue
Epoxy Coated Disc, AISI 420 Stainless Steel Shaft,
Replaceable Liner, Lever Operated up to DN300
Direct Mount ISO pad



Material List

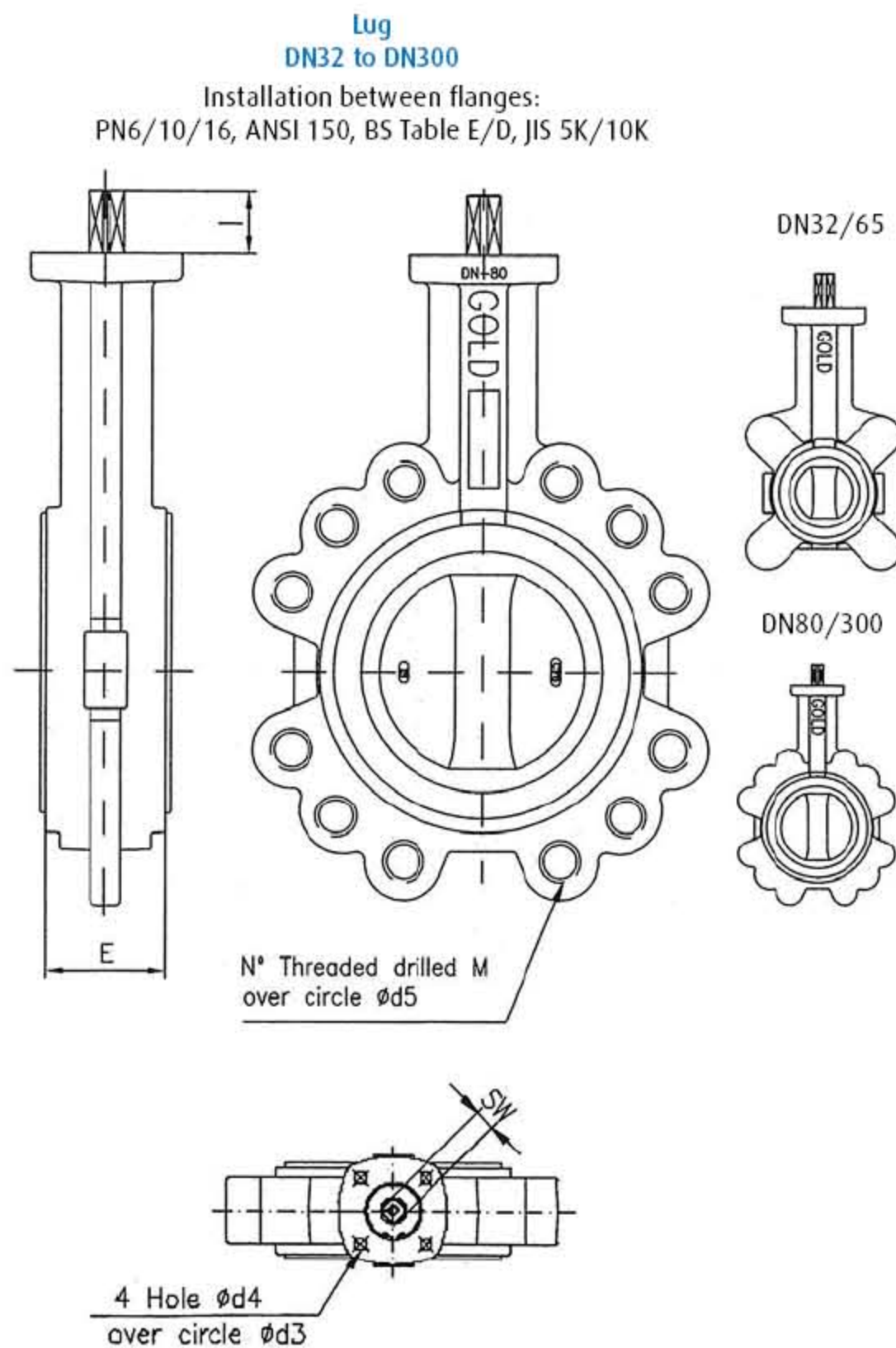
Body	GGG40
Disc	GGG40/CF8M
Liner	EPDM/NBR
Shaft	Steel AISI-420
Lower Shaft	Steel AISI-420
Upper Bearing	Steel PTFE (DN32/200) / Bronze B-62 (DN250/300)
Lower Bearing	Steel PTFE (DN32/200) / Bronze B-62 (DN250/300)

O-Ring	NBR
Pin	Steel
Plug	Steel
Washer	Steel
Circlip	Steel

Pressure/Temperature Ratings

Max Pressure 16 Bar,
BUNA Temperature Range -10°C +100°C
EPDM Temperature Range -20°C +95°C,
Note 300mm and above are not Multi- Flanged PN10 only

Dimensions



DN	A	B	E(1)	I	SW	Top Flange			ISO PN16		
						d3	d4	ISO 5211	d5	M	N°
32	181	125	33	22	11	50	6.5	F05	100	M16	4
40	181	125	33	22	11	50	6.5	F05	110	M16	4
50	202	140	43	22	11	50	6.5	F05	125	M16	4
65	225	156	46	21	11	50	6.5	F05	145	M16	4
80	253	161	46	21	11	50	6.5	F05	160	M16	8
100	288	181	52	21	11	50	6.5	F05	180	M16	8
125	310	195	56	20	14	70	8.5	F07	210	M16	8
150	340	210	56	22	14	70	8.5	F07	240	M20	8
200	394	237	60	22	17	70	8.5	F07	295	M20	12
250	464	262	68	28	22	102	11.0	F10	355	M24	12
300	540	300	78	28	22	125	14.0	F12	410	M24	12

* Bigger sizes upon request

- 1 Values valid for water at room temperature or clean fluids with similar lubricant features.
- 2 For air or gases chart values to be increased in 30%.
- 3 For greasy fluids or hydrocarbons chart values to be decreased in 15%.
- 4 Apply safety factor 1.3
- 5 Torque values for pressures lower than the nominal pressure can only be used if the spherical diameter of the disc has been reduced in our premises upon request.

STANDARD TERMS AND CONDITIONS OF SALE

CONTROLLING PROVISIONS AND ACCEPTANCE

All DPV sales are expressly subject to these terms and conditions, which govern and prevail regardless of any terms and conditions set forth to the contrary by the Buyer.

The Buyer's acceptance of these terms and conditions is evidenced by the Buyer's placement of order with DPV.

QUOTATIONS AND PRICES

All goods are priced F.O.B. our warehouse. Inland freight to destination is for account of the Buyer, either on collect basis, or prepaid and then billed by DPV for payment by the Buyer. Unless otherwise stated in writing, all prices are valid for thirty (30) days only. Published prices are subject to changes without prior notice.

DELIVERY

Delivery quoted is estimated based on availability of DPV's stock and/or production schedule at time of quotation/order, and is subject to changes in the event of prior sales and re-scheduling to any occurrences beyond the DPV's control, though DPV, as a gesture of goodwill, will do its best stay as close as possible to the delivery estimated. Title to the product(s) and risk of loss shall pass to the Buyer upon delivery to a common carrier or Buyer's transport. All claims of loss to the materials in transit shall be filed by the Buyer directly with the carrier. All claims for shortages, corrections or deductions must be made to DPV within ten (10) days after receipt of goods.

CANCELLATION AND RETURN

All cancellations and returns, etc., cannot be made without DPV's formal prior consent with a Return Authorization Number (RAN). A cancellation and re-stocking charge will apply in accordance with DPV's Return Policy, which applies to all returns. Special items are not subject to cancellation or returns.

FORCE MAJEURE

DPV is not to be held responsible for any delays in delivery, or defaults in completing an order or contract, due to force majeure such as strikes, work stoppages, fires, floods, accidents, inability to obtain fuel and transportation means, vendors' delayed deliveries or materials, parts, components, goods, etc., to DPV, acts of God, and/or any other causes beyond Seller's control.

TAXES

All DPV prices are exclusive of all taxes, which, if applicable under government laws, shall be wholly for the Buyer's account and to be fully paid by the Buyer only. Where the Buyer is lawfully entitled to exemption from any tax, all necessary documentation must be provided by the Buyer to DPV to effect such exemption. Any taxes, interests and penalties assessed against DPV on transactions which are otherwise determined as taxable, shall be borne by the Buyer. The term "Taxes" used here shall include any impost, duty, levy or other charges imposed by any government or agency thereof upon the property, services or parties hereto, but shall not include those measured by the net income of DPV.

ERRORS

All clerical and computational errors and/or omissions are exempted and are to be corrected by DPV.

LIMITED WARRANTY

All DPV products are guaranteed to the original Buyer only for a one (1) year period from and after the invoice date against defects in material and workmanship under normal and proper use and service, and not caused or resulting from improper usage or application, improper installation, improper maintenance and repairs, modifications or alterations, normal wear and tears, corrosion, erosion, or chemical attacks. DPV's obligation under this warranty is limited strictly to repairing or replacing, at its election, any parts or products determined by DPV to be defective, or refunding the purchasing price to the original Buyer. DPV shall bear normal surface transportation cost for shipping the replacements, but shall not bear any losses, damages, installation, re-installation, engineering, or any other costs incurred thereof by the Buyer. The Uniform Commercial Code (UCC) shall not apply to the sale, nor the Michigan statutes adopting the UCC. This warranty is expressly made in lieu of and excludes all other warranties, guarantees, or representations expressed or implied. There are no implied warranties of merchantability or fitness for a particular purpose.

EXCLUSIONS

Do not use DPV products in aircraft or aerospace applications. No warranties, guarantees or representations of any kind are made with respect to such applications. The Buyer assumes on their own all risks of any use in such applications and will indemnify and hold harmless DPV against and from any claims, costs (including attorney's fees) and liabilities arising out of such use.

LIABILITY

Notwithstanding any provision in the Buyer's order or elsewhere to the contrary, under no circumstances shall DPV be liable for any direct, indirect, special, consequential or incidental damages (including but not limited to loss of revenue, loss of use, material, production or end products), or any other claims for damages arising out of the purchase, delivery, installation or use of DPV products, whether claimed in contract, warranty, tort (including negligence) and delays, actual or imputed, or otherwise.

GOVERNING LAW

The contract shall be governed by, construed, and enforced in accordance with the laws of the State of New York in the United States of America. The provisions of the "UN Convention on Contracts for the International Sale of Goods" shall not apply.

OTHER PRODUCTS

API 6D / BS 5351 Floating Ball Valves

Fire Tested & Certified to API 6FA & BS 6755 Pt. 2
1-Pce & 2-Pce Body Design, Full & Reduced Bore
ANSI Class 150 & 300, ½" to 12", WCB/LCC/CF8M

API 609 Butterfly Valves, Wafer & Lug Body

Category A Concentric Disc and Seat Design
Category B Eccentric Disc and Offset Seat
200 psi, ANSI Class 150 & 300, 2" to 24"

Industrial Ball Valves - Investment Cast

1-Piece, 2-Piece and 3-Piece Body Designs
Full & Reduced Bore, NPT/SW/BW Ends
ANSI Class 150 to 800, ½" to 4", WCB & CF8M

Multi-Function Control Check Valves

Y-Pattern Body, Cast & Ductile Iron, 2" to 14"
ANSI Class 125, 150 & 300, Flanged Ends

API 6D Trunnion Mounted Ball Valves

Forged Steel, 3-Piece Bolted Body Design
ANSI Cl. 150 to 2500, Full & Reduced Bore
Available in A105, LF2 and other Materials

API 600 Cast Steel Valves

Wedge Gate, Globe & Swing Check Valves
ANSI Class 150 to 2500, 2" to 36"
Available in WCB, LCC and CF8M

Industrial Strainers

Y and Basket (Simplex & Duplex) Types
ANSI Class 150 to 1500, ¼" to 16"
Available in Cast Iron, Bronze, WCB & CF8M

Pump Suction Diffusers

Cast Iron and Ductile Iron Materials
ANSI Class 125, 150 & 300, Flanged Ends

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