



SERIES 81 BUTTERFLY VALVES

PN25

DN40-DN1200 WAFER/LUGGED



KDVs PN25 Butterfly Valves offer a working pressure of 25 bar with high performance, durability and ease of operation. The body design provides maximum strength for dependability in a wide range of demanding services.

Positive On-Off, Bi Directional Sealing

Seals at maximum rated pressure with identical flow from either direction allowing true bi directional operation.

PTFE Stem Seal

PTFE bushings reduce operating torque, provide maximum shaft support and isolate the stem from the body with self lubricating Teflon.

Valve Automation

KDV supplies a wide range of pneumatic & electric actuators and control accessories including:

- Solenoid valves
- Switch enclosures
- Electro-pneumatic positioners

Connection Options

- ANSI B 16.5 CI #300
- DIN PN25

FEATURES & BENEFITS

- Performance & Durability at High Pressure
- Bi Directional Sealing
- PTFE/Bronze Bushing
- Pinned Design for High Pressure Performance
- Optional Body & Seat Materials
- Robust Construction
- Long Service Life

OPERATOR OPTIONS

- Lever (DN40-DN150)
- Gearbox (DN40-DN1200)
- Pneumatic Actuator (DA & SR)
- Electric Actuator (Range of Voltages)

CONTROL ACCESSORIES

- Solenoid valves
- Switch enclosures
- Electro-pneumatic positioners
- Limit stops
- Emergency hand wheel over-rides



FAST TRACK

In house manufacture and stock holdings allow KDV to deliver quickly, and reliably facilitate fast-track projects. Visit our website for information on the full range of KDV Diaphragm Valves.

www.kdvflow.com



Kim Diaphragm Valves™

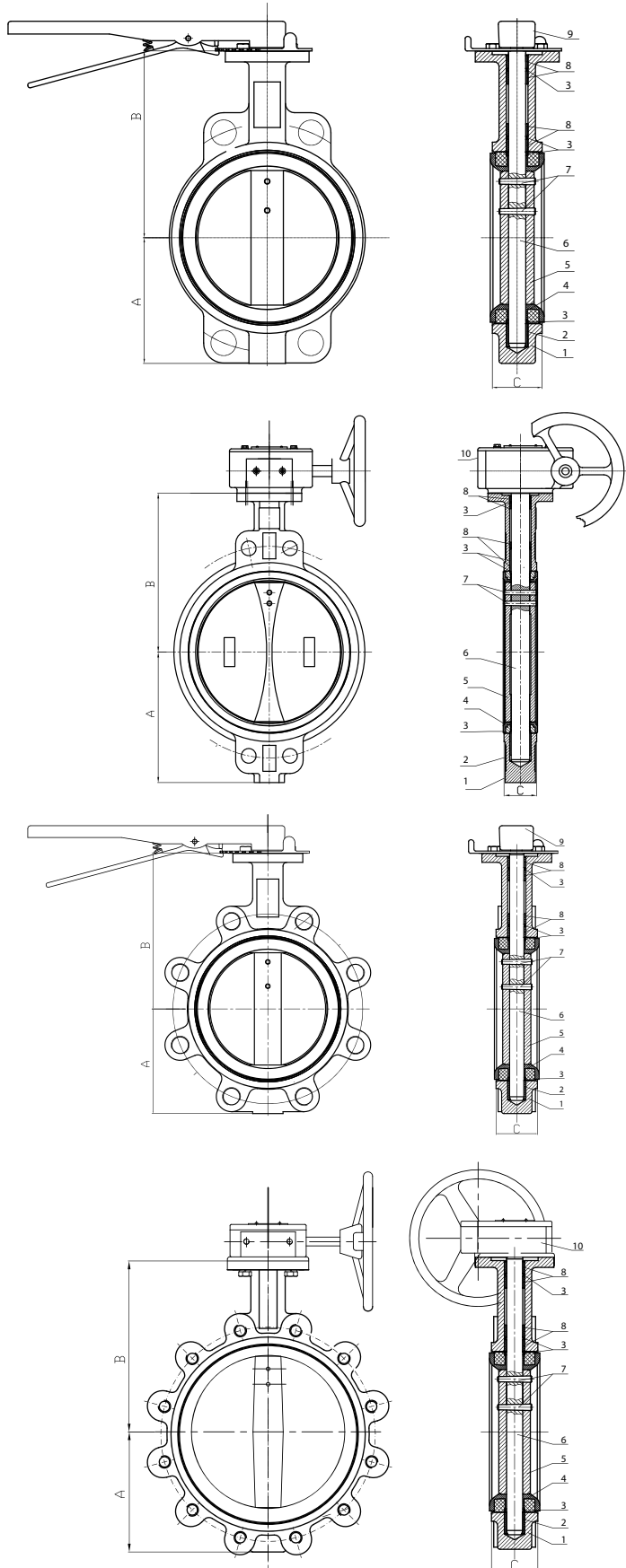
Corrosion and Abrasion Resistant Flow Control

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DN40-DN150 LEVER / DN40-DN1200 GEARBOX

WAFER/LUGGED



Materials of Construction

PART	MATERIAL
1 Body	Ductile Iron, Cast Iron
2 Bushing	PTFE /Bronze
3 O-Ring	EPDM/NBR
4 Seat	EPDM/NBR
5 Disc	Ductile Iron, Bronze, SS304, SS316 SS410, SS431
6 Shaft	SS410, SS431
7 Pin	SS316
8 Bushing	PTFE, Bronze
9 Handle	Malleable Iron
10 Gear Box	Cast Iron

TECHNICAL DATA

TECHNICAL DATA		
PRESSURE	NOMINAL PRESSURE	PN25
	SHELL TEST PRESSURE	37.5 bar
STANDARDS	SEALING TEST PRESSURE	27.5 bar
	DESIGN & MANUFACTURE	API 609
	INSPECTION AND TEST	EN12266
	FACE TO FACE	EN558 Series 20 (API 609 Table 1)
	FLANGE	ANSI B 16.5 CI #300, DIN PN25

Dimensions

DN	40	50	65	80	100	125	150	200
A	68	80	89	95	114	127	139	175
B	110	161	175	181	200	213	226	260
C	33	42	45	45	51	55	55	60
DN	250	300	350	400	450	500	550	600
A	203	242	267	316	334	370	433	468
B	293	337	368	400	422	480	533	562
C	67	76	76	102	114	127	151	151
DN	650	700	750	800	900	1000	1200	-
A	484	530	565	602	661	724	869	-
B	540	626	660	666	722	806	938	-
C	172	165	167	188	203	216	276	-

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