


NW Series



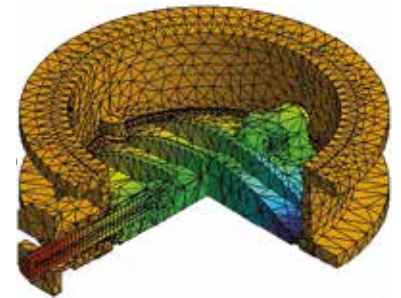

Engineering
GREAT Solutions

Sanitation Line: Butterfly Valve

NW Series: Butterfly Valve

Our NW series of butterfly valves is characterized by a wafer-style body following the AWWA construction standard. The series combines years of experience and research, that results in longer service life, excellent performance, easy maintenance and interchangeability of components.

Developed using advanced software tools



Key features

- > Eccentric disc
- > Monobloc body
- > Seat sealing
- > Disc configuration to minimise pressure drop

Benefits

- > **Body**
The wafer-style one-piece body is designed in order to ensure maximum security and reliability (proven by finite element analysis). It has an extended valve neck enabling pipework isolation
- > **Disc**
The disc configuration minimises pressure drop in totally open position. The entire perimeter of the sealing area is polished to provide providing total sealing in relation to the seat, ensuring low operating torque and less wear of the seal
- > **Shaft**
The upper shaft transmits the rotation movement to disc by means of a torque plug, ensuring the product performance and safety. The interface dimensions in accordance with ISO 5211
- > **Replaceable seat**
The replaceable seat completely covers the body and consists of a rigid ring, on which the elastomer seat material is vulcanized preventing deformation, reducing actuation torque and increasing seat service life
- > **Bushing**
Bronze bushing eliminates friction between shaft and body providing torque reduction
- > **Actuation**
The body design and top flange allows the coupling of manual, pneumatic or electric actuation which will comply with ISO 5211
- > **Finite analysis**
Project developed with the aid of software for finite elements analysis ensuring greater structural reliability to the design

Product Specification

Construction standard

AWWA-C504 standard wafer

End

Wafer

Face to face

AWWA-C504 standard wafer

Dimensions

75 to 600mm

Ratings

PN10

PN16

Seat

Elastomer / polyurethane

Materials

ASTM A-536 Cast Iron for Grade 65.45.12

ASTM A-351 Stainless Steel for Grade

CF8M

ASTM A-536 Cast Iron for Grade 65.45.12

ASTM D-2000 EPDM

NBR (Buna N) ASTM D-2000

Hypalon

ASTM A-276 Stainless Steel for Grade 410

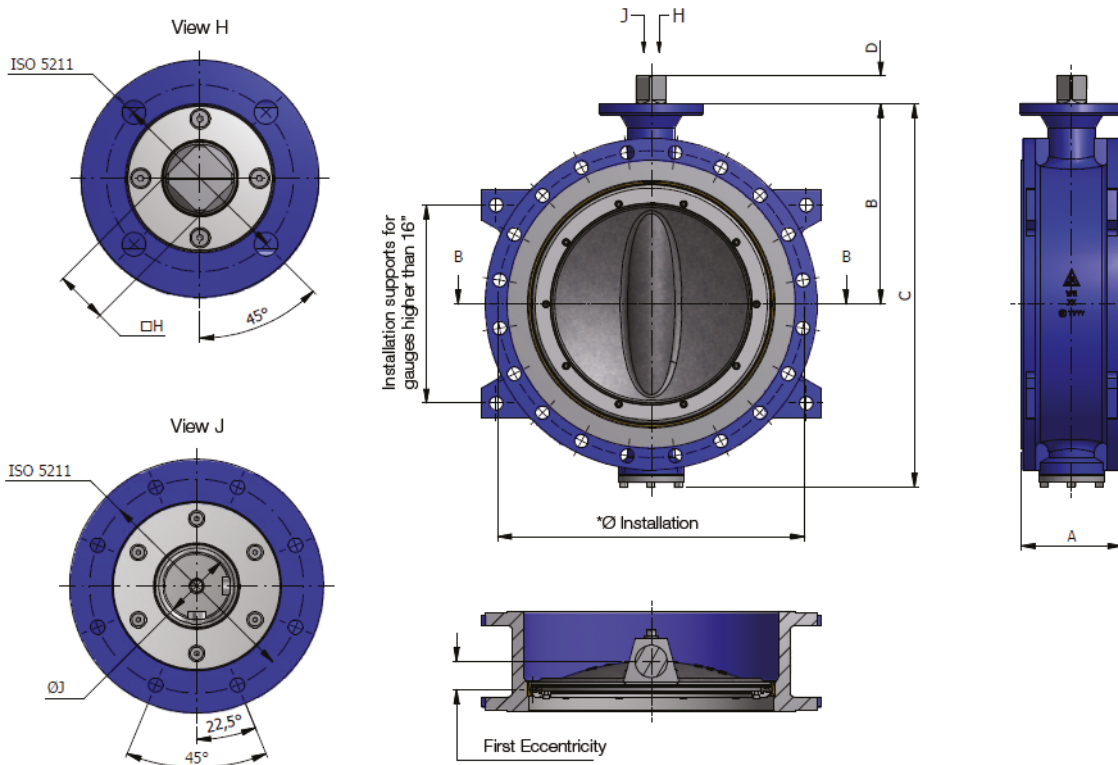
ASTM A-276 Stainless Steel for Grade 304

Bronze

Typical dimensions

DN	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	50,8	57,2	71,4	74,6	79,4	85,7	56,3	105	117	130	154
B	162	181	210	240	286	310	350	375	401	427	491
C	248	281	334	397	476	552	641	676	743	794	914
D	133	172	219	276	337	406	432	486	546	603	718
E	85	107	154	199	248	300	336	382	436	487	593
F	12	12	12	12	12	12	22	22	22	22	22
G	15	15	15	20	20	25	31	31	40	40	49
H	14	14	17	17	17	22	27	27	36	36	46
N	7 & 9	7 & 9	9	9 & 11	11	11	13	13	17	17	23
O	50 & 70	50 & 70	70	70 & 102	102	102	125	125	140	140	165
ISO 5211	F05 & F07	F05 & F07	F07	F07 & F10	F10	F10	F12	F12	F14	F14	F16

Values in millimetres (mm)



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