# DIN3352 / EN 1171 DN350-DN800 Big Size Resilient Seated Gate Valve

#### ■ Features:

Bolted Bonnet
Replaceable O-ring
Rubber encapsulated wedge, Brass Wedge Nut.
Fusion bonded epoxy coated inside and outside , blue RAL 5017 200 Micron thick
Working pressure from -1 to +16 Bar and working temperature from -10 to +80 °C

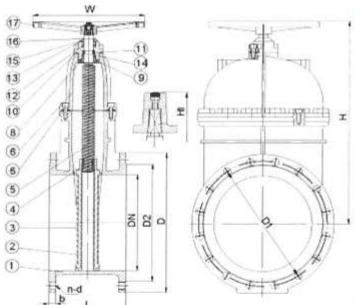
#### ■ Technical Specification:

Valve design according to EN 1171, DIN3352, EN 1074-1 and 2 Face to face dimensions according to EN 558-1. DIN3202 F4/F5 Standard flange drilling to EN 1092-2, ISO 7005-2. Hydraulic test according to EN 12266, ISO5208



#### **■ MATERIAL LIST**

Item No	Part Name	Specification Ductile Iron GGG50					
1	Body						
2	Wedge	Ductile Iron GGG50					
3	Wedge Coating	NBR /EPDM EN 681-1					
4	Wedge Nut	Copper Alloy					
5	Stem	Stainless Steel X20 Cr1					
6	Bonnet Gasket	NBR /EPDM EN 681-1					
7	Bonnet	Ductile Iron GGG50					
8	O Ring Back Sealing	EPDM/NBR					
9	Down Bushing	Copper Alloy					
10	O Ring	EPOM/NBR					
11	Stem Collar	Stainless Steel / Brass					
12	O-Ring	EPDM/NBR					
13	O-Ring	EPDM/NBR					
14	Gland Flange	Ductile Iron GGG50					
15	Stuffing Cork	Copper Allay					
16	Dust Guard	EPDM/NBR					
17	HandWheel	Ductile Iron GGG50					
18	Stem Cap	Ductile Iron GGG50					



#### ■ Dimensions (mm)

Size F4		L L		6	EN 1092-2 PN10		EN 1092-2 PN16			H	w	W T(kg )		
	F4	F5	0		D1	D2	n-d	D1	D2	n-d		vv	F4	F5
DN350	290	550	520	26.5	460	429	16-23	470	429	16-28	762	450	175	220
DN400	310	600	580	28	515	480	16-28	525	480	16-31	836	450	223	290
DN450	330	650	640	30	565	530	20-28	585	548	20-31	957	640	322	420
DN500	350	700	715	31.5	620	582	20-28	650	609	20-34	1036	640	365	470
DN600	390	800	840	36	725	682	20-31	770	720	20-37	1188	640	539	700
DN700	430	900	910	39.5	840	794	24-31	840	794	24-37	1450	800	700	910
DN800	470	1000	1025	43	950	901	24-34	950	901	24-41	1660	1000	950	1235
DN1000	550	1200	1255	50	1160	1112	28-37	1170	1112	28-44	2100	1000	1400	1820

ANNEXURE 1: THE REPLACEMENT OF THE LOWER SLUICE VALVE AT NQWEBA DAM, GRAAFF REINET: DR BEYERS NAUDE LOCAL MUNICIPALITY.

# Intelligent Electric Actuator

For Valve Actuation and Process Automation Solutions





## ....... Specifications

Voltage supply:

3-phase AC, 380/460±10%, 50/60Hz±5%;

1-phase AC, 220±10%, 50/60Hz±5%;

Duty mode:

On-off (MOE series,) a complete stroke, S2 - 15 min;

Modulating (MME series), separate strokes, S4 - 25%, Number of starts ≤1200/h

Motor control:

Variable frequency control technology

Voltage input:

24V. DC (18-33V), max 500mA;

Voltage output:

24V. DC (18-33V), max 40mA; short circuit protection.

· Input Signal:

(1)Analogue input (optional): 4...20 mA; galvanically isolated; 250Ω inherent

resistance; rising characteristic

(2) Digital input (BE1...B4): 4 optocoupler, potential free; freely configurable

· Output Signal:

(1)Analogue output (optional): 0/4...20 mA for position signal; load max. 500Ω;

galvanical isolated; short circuit proof; rising or falling characteristic;

(2)Digital output: Standard 4 (BA1...4) optional 7 (BA 5...7) or 8 (BA5...8) potential free, gold coated relay contacts, galvanical isolated, freely configurable; max.

50V, overload proof; Imax. < 150 mA; Imin. > 1 mA;

· Strokes range:

Minimum 1 circle for Multi-turn.

Torque tripping:

40%...100% adjustbale, step 5%

· Output Speed:

40%...100% adjustbale,step5%

Accuracy:

(1)Multi-turn (stroke≥1 circle) ≤±0.5%

(2)Part-turn

≤±0.5%

(3)Linear (stroke≥25mm)

≤±0.5%

Dead zone:

1% (0.5...10% adjustable)

Enclosure protection: IP67 (IP68 optional)

Explosive protection: ExdIIBT4

Ambient conditions: (1)Temperature: On-off duty, MOE series, – 25 °C to +70 °C

Modulating duty, MME series, -25 °C to +60 °C

Separate type, MME series, -40°C to +85 °C

(2)Humidity: ≤95% (3)Air media: without corrosive, flammable or explosive gas

Anticondensation:

Anti condensation heater inside

CE standard:

(1) EN 61000-6-4: 2007, EN 61000-6-2: 2005

(2) EN 61000-3-2:2006 +A1: 2009+A2: 2009, EN 61000-3-3: 2008

(3) EN 60204-1:2006+A1:2009

Fatigue strength:

0.75g within 5...200Hz; extended strength proof with 5...150Hz,2g sinusoidal

