



SEMANTOK (NGUMBEN) DAM				
	Design	Working	Test	
			Body	Seat
Pressure [mWc]	PS = 60	PO = 58	PT= 90	PT= 66
Temperature [°C]	25	-10 < a < 50	25	
Flange Standard	DN450 PN16 EN1092-1			
Aprox. Weight	495 Kg			

ACTUATOR DETAILS:
 AUMA SA 10.2-B3-120Nm-22rpm-F10 (S2-15Min)
 (380V 3ph 50Hz)
 + CONTROL AC 01.2+MWG
 + (1) MITER GEAR REF.: FLO-Y 1:1.
 + (2) BEVEL GEAR REF.: FLO-4 1:4.
 * STROKE TIME: 4min 50sec.

* Fixed Cone Valve ONLY for free discharge into the atmosphere.
 * Standard fixed cone valve design. Specific site civil work design is unknown and has not been considered

NUMBER	PART NAME	QTY	MATERIAL
25	HARDWARE	—	1.4301/AISI 304
24	STRAIGHT PEDESTAL	1	S235JR/A1011 Gr33
23	EXTENSION	1	1.4301/AISI 304
22	MITER GEAR FLO-4Y	1	—
21	SECOND EXTENSION	2	1.4301/AISI 304
20	COUPLING INOX-75x16	3	AISI 316L+POLYURETHANE
19	INDICATOR	1	1.4301/AISI 304
18	0-100% SCALE PLATE	1	AL 6063 T6
17	INDICATOR PLATE	1	1.4301/AISI 304
16	GEAR BOX	2	—
15	STEM PROTECTOR	2	1.4301/AISI 304
14	STEM NUT	2	2.0975/C95500
13	SCREW STEM	2	1.4305/AISI 303
12	MECHANICAL STOP	2	1.4301/AISI 304
11	SEAL FLANGE	1	1.4301/AISI 304
10	SCRAPER FLANGE PLATE	1	1.4301/AISI 304
9	SCRAPER FLANGE	1	1.4301/AISI 304
8	SCRAPER	1	NBR (NITRILE)
7	V SEAL	1	EPDM
6	SEAL	1	EPDM
5	O-RING	1	EPDM
4	O-RING	1	EPDM
3	SLYDRING	2	TURCITE (PTFE+GRAPHITE)
2	SLEEVE	1	1.4301/AISI 304
1	BODY	1	1.4301/AISI 304+BRONZE

OS-Line:	286428-01	Valve Code:	4CH28642801
Drawing n°:	CH001572A	Sheet	1 / 1
TRACED BY:	19/11/2021	NAME	ULOTINA
CHECKED BY:	19/11/2021	MPALOMEQUE	
APPROVED BY:			
Rev.	Modification	Date	Author
Designation			SEMANTOK (NGUMBEN) DAM
UNE-EN1092-1 PN16			DN450
CH DN 450 PN16 ELECTRIC			Scale: 1:8

19/11/2021 14:38:47 CH_28642801M_000

Datum and drawings without compromise. ORBINOX, S.A. reserves the right of modification at any time, at its own discretion and without previous notice.