

UOP

UOP N.V. Noorderlaan 147, B-2030 Antwerp, Belgium

11.11.10.200

RHS H-6280-241 20162

AUTOMATIC BUTTERFLY VALVE**PROJECT SPECIFICATION**

Number

E-H6280-241

Rev.

3

Sheet : 3 of 15

By : F. Heyman

R
E
V

1	TAG NO.	
2		U-XCV75011, 75021, 75031, 75041, 75051, 75061
3	QUANTITY	U-XCV75071, 75081, 75091, 75101
4	SERVICE	10
5	MEDIUM COMPOSITION MOLECULAR WEIGHT	FEED / REPRESSURISATION
6	AMBIENT TEMPERATURE MIN. / MAX.	FEED GAS / H ₂ , C ₁ -C ₆ , N ₂ , H ₂ O / 7,23
7	MINIMUM DESIGN METAL TEMPERATURE	-46 / +36 °C ACTUATOR POSITIONER LIMIT SW (note 1)
8	OPERATING TEMPERATURE MIN. / MAX.	-34 °C FOR VALVE BODY AND SEALS
9	OPERATING FLOW COND. 1 / 2 / 3	40,0 / 40,0 °C
10	PRESSURE UPSTREAM COND. 1 / 2 / 3	4480 / 11870 / 36270 Nm ² /h
11	DP COND. 1 / 2 / 3	38,99 / 38,94 / 38,88 kg/cm ² g
12	DP IN CLOSED POSITION COND. 1 / 2 / 3	10,523 / 9,785 / 0,033 kg/cm ²
13	REQUIRED C _v COND. 1 / 2 / 3	39,0 kg/cm ²
14	VALVE BODY SIZE RATING STYLE	5,7 / 15,6 / 730
15	SELECTED CV CHARACTERISTIC	DN 150 / 300 lbs / DOUBLE FLANGED
16	BODY MATERIAL	920 / EQUAL PERCENTAGE
17	FLANGE RATING FLANGE FACE FINISH	ASTM 352 LCB (-34°C)
18	FACE TO FACE STD. FACE TO FACE LENGTH	300 lbs / SMOOTH FINISH 3.2 - 6.3 μmRA
19	VALVE SERVICE STANDARD	LARGE-FEMALE FACE ANSI B16.5a / 210MM
20	VALVE CYCLIC SERVICE UNI / BI-DIRECTIONAL	PSA HIGH CYCLING DUTY
21	VALVE INITIAL CONTROL POSITION	UNIDIRECTIONAL
22	SHAFT POSITION FLOW DOWN / UPSTREAM	0 - 25%
23	BEARINGS AND EXCLUDER RING MATERIAL	FLOW SHAFT DOWNSTREAM
24	SHAFT PACKING TYPE MATERIAL	FOR HIGH CYCLE BUTTERFLY VALVE
25	DISC PINS SHAFT MATERIAL	LIFE LOADED / PTFE
26	SEAT TYPE MATERIAL	ASTM A487 CA 6 NM / MFR STD / ASME 420
27	LEAKAGE RATE (CLASS TO B16.104)	SOFT SEAT / FKM (VITON)
28	ACTUATOR TYPE / MOUNTING POSITION	CLASS VI BUBBLE TIGHT
29	ACTUATOR SIZE / AIR CONNECTION SIZE	PISTON, SPRING RETURN / C-HU
30	ACTUATOR ACTION	B1JU12-55C / 1/2" NPT
31	AIR SUPPLY PRESSURE MIN. / NORM. / MAX.	AIR TO OPEN
32	SPRING TYPE / ACTION	3,5 / 4,5 / 6,0 kg/cm ² g
33	NUMBER OF CYCLES PER YEAR	SINGLE SPRING / SPRING TO CLOSE
34	VALVE DUTY ON/OFF or CONTROL	+/- 105120
35	VALVE POSITIONER MODEL	HIGH CYCLE DUTY / CONTROL
36	POSITIONER TYPE	METSO, SMART ND8221/XC EEx ia IIC T6
37	CALIBRATED RANGE	SMART ELECTRO / PNEUMATIC
38	AIR SUPPLY PRESSURE / AIR CONNECTION	4 - 20 mA
39	AIR FILTER / REGULATOR	4,5 kg/cm ² g / NPTF
40	BOOSTER	NOT REQUIRED
41	VALVE POSITION TRANSMITTER	MOORE 61H 1/4"NPT
42	TRAVEL STOP	0-100 % INCORPORATED IN POSITIONER EEx ia IIC T6
43	TUBING & FITTING MATERIAL / SIZE	STANDARD
44	VALVE SUPPLIER	FOR TUBE AND FITTINGS REFER TO E-H6280-241T
45	VALVE TYPE NO.	
46	REMARKS :	6" CL300 AC25 B1JU12/55C ND8221/CXTS1Y-L-Instr
47		note 1: Electrical Certificate for -40°C. Functional operation shall be guaranteed for -46°C ambient

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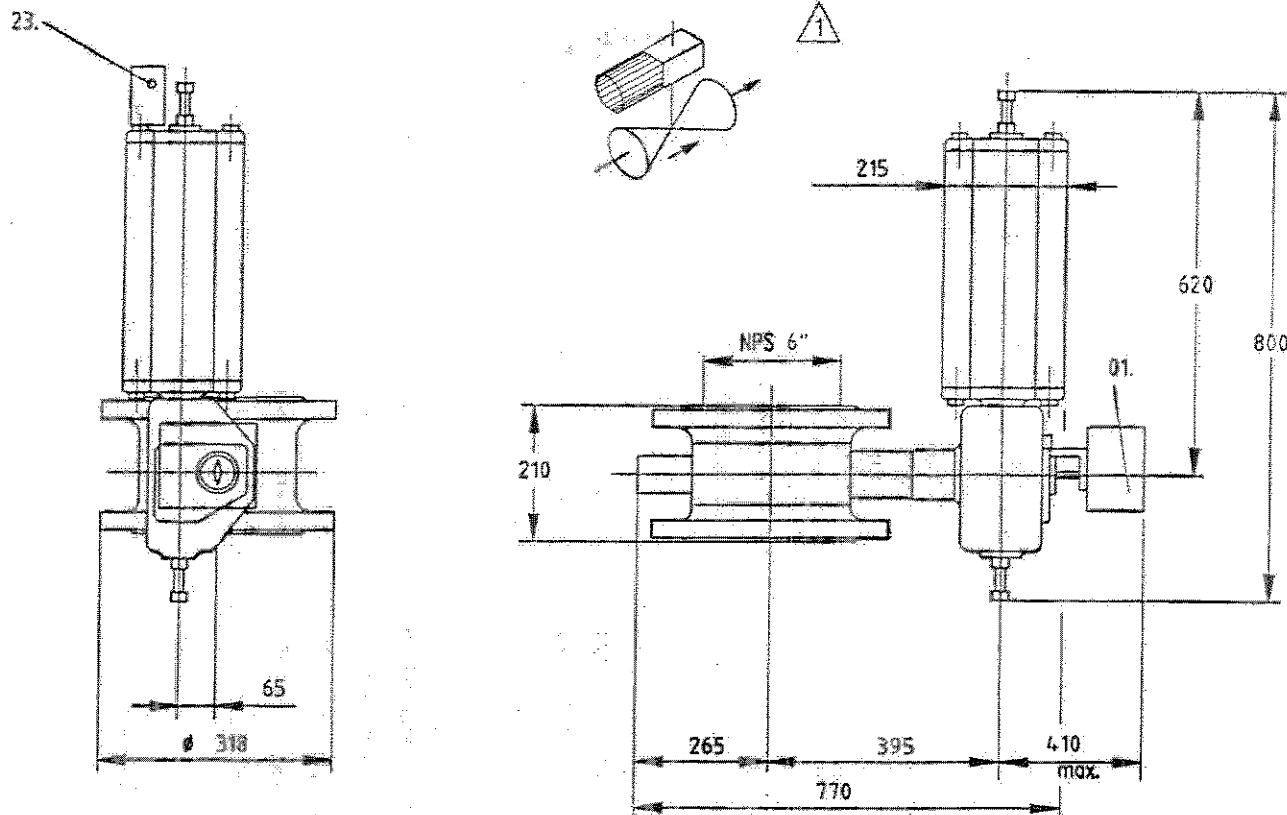
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C.B. Joxmaton

Dimensions are maximum values (*given in millimeters). Weight is approximate value (given in kgs).

MOUNTING POSITION : C-HU



BUTTERFLY VALVE SIZE 150 (06")

RATING ACC. TO ANSI class 300

FLANGE DRILLING ACC. TO ANSI class 300

FACING : ASME B16.5 Large female (Ra 3.2-6.3)

ACTUATOR

TYPE : B1JU12/55C

ACCESSORIES

01. VALVE CONTROLLER/POSITION TRANSMITTER ND8221/CXT1S1Y-I, EExiallCT6,
WITH SST GAUGES (HOUSING/INTERNAL) GRADUATED IN Kg/cm² /bar/psi ,
MOUNTED WITH ELBOWS TO HAVE VERTICAL READING SCALE, CABLE ENTRY M20x1.5

23. VOLUME BOOSTER 1/4"NPT MOORE 61H

PIPING AND FITTINGS : CU/PVC mm - Swagelok Brass

TOTAL WEIGHT : 180 kg

SO NO. : 113520-001

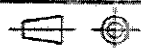
VENDOR / ORDER NO. :

/ OB-03114-P

CUSTOMER / ORDER NO. : UOP N.V. / H6280

TAG. NO. : U-XCV75011, U-XCV75021, U-XCV75031, U-XCV75041, U-XCV75051,
U-XCV75061, U-XCV75071, U-XCV75081, U-XCV75091, U-XCV75101

1	03.03.27	CK
ORIG	03.02.17	CK



APPROVED : CK

[Signature]

Field Systems SA

WITTENHEIM
FRANCE

CERTIFIED DIMENSION DRAWING

CONTROL VALVE

DIM113520-001

6" CL300 MAPAG AC25-Z-B1JU12/55C-ND8221/CXT1S1Y-I-Instr.