

AUTOMATIC BUTTERFLY VALVE

PROJECT SPECIFICATION

Number

E-H6280-241

Sheet : 5 of 15

By : F. Heyman

Rev.

3

R
E
V

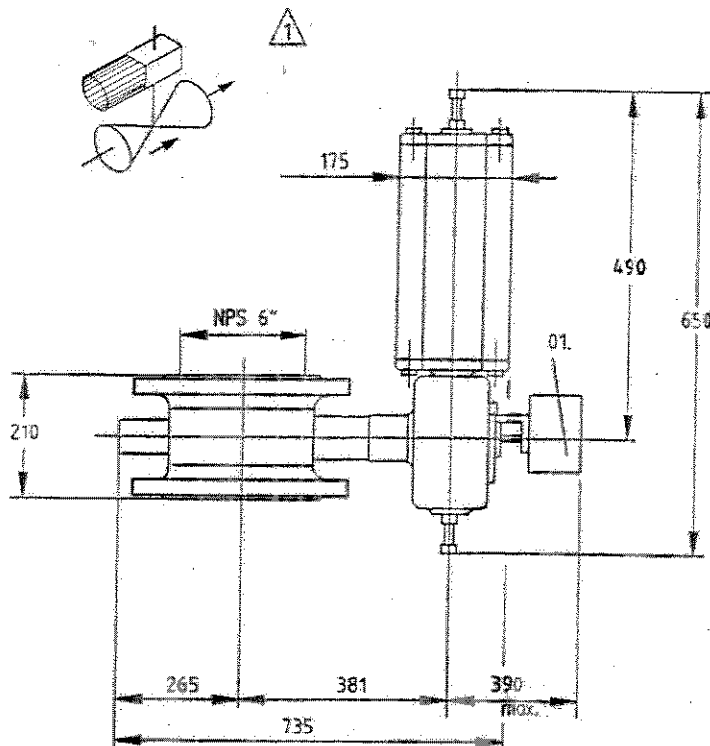
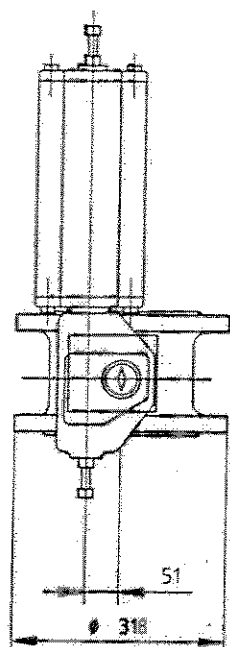
1	TAG NO.	
2		U-XCV75014, 75024, 75034, 75044, 75054, 75064
3	QUANTITY	U-XCV75074, 75084, 75094, 75104
4	SERVICE	10
5	MEDIUM COMPOSITION MOLECULAR WEIGHT	DUMP / PURGE
6	AMBIENT TEMPERATURE MIN. / MAX.	OFF GAS / H ₂ , C ₁ -C ₆ , C ₁ , N ₂ , H ₂ O / 21,79
7	MINIMUM DESIGN METAL TEMPERATURE	-46 / +36 °C 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	30,0 / 30,0 °C
10	PRESSURE UPSTREAM COND. 1 / 2 / 3	2520 / 2930 / 6320 Nm ³ /h
11	DP COND. 1 / 2 / 3	5,66 / 1,56 / 5,65 kg/cm ² g
12	DP IN CLOSED POSITION	4,028 / 0,010 / 3,895 kg/cm ²
13	REQUIRED C _v COND. 1 / 2 / 3	39,0 kg/cm ²
14	VALVE BODY SIZE RATING STYLE	23,5 / 730 / 59
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	B1JU10-40C / 3/8" 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 ND8261XC 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	NOT REQUIRED
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 ND8261/ CXTS1Y-L-I
47		note 1: Electrical Certificate for -40°C. Functional operation shall be guaranteed for -46°C ambient

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C.B. Hoxmatov

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 : B1JU10/40C

ACCESSORIES

01. VALVE CONTROLLER/POSITION TRANSMITTER ND8261/CXT1S1Y-I, EExialICT6,

WITH SST GAUGES (HOUSING/INTERNAL) GRADUATED IN Kg/cm² /bar/psi

MOUNTED WITH ELBOWS TO HAVE VERTICAL READING SCALE, CABLE ENTRY M20x1.5

PIPING AND FITTINGS : CU/PVC mm - Swagelok Brass

TOTAL WEIGHT : 150 kg

SO NO. : 113520-003

VENDOR / ORDER NO. :

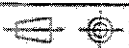
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CUSTOMER / ORDER NO. : UOP N.V. / H6280

TAG. NO. : U-XCV75014, U-XCV75024, U-XCV75034, U-XCV75044, U-XCV75054,

U-XCV75064, U-XCV75074, U-XCV75084, U-XCV75094, U-XCV75104

1	03.03.27	CK
ORIG	03.02.17	CK



APPROVED : CK

Field Systems SA

WITTENHEIM
FRANCE

CERTIFIED DIMENSION DRAWING

CONTROL VALVE

DIM113520-003

6" CL300 MAPAG AC25-Z-B1JU10/40-ND8261/CXT1S1Y-I