

AUTOMATIC BUTTERFLY VALVE**PROJECT SPECIFICATION**

Number

E-H6280-241

Rev.

3

R
E
V

Sheet : 6 of 15

By : F. Heyman

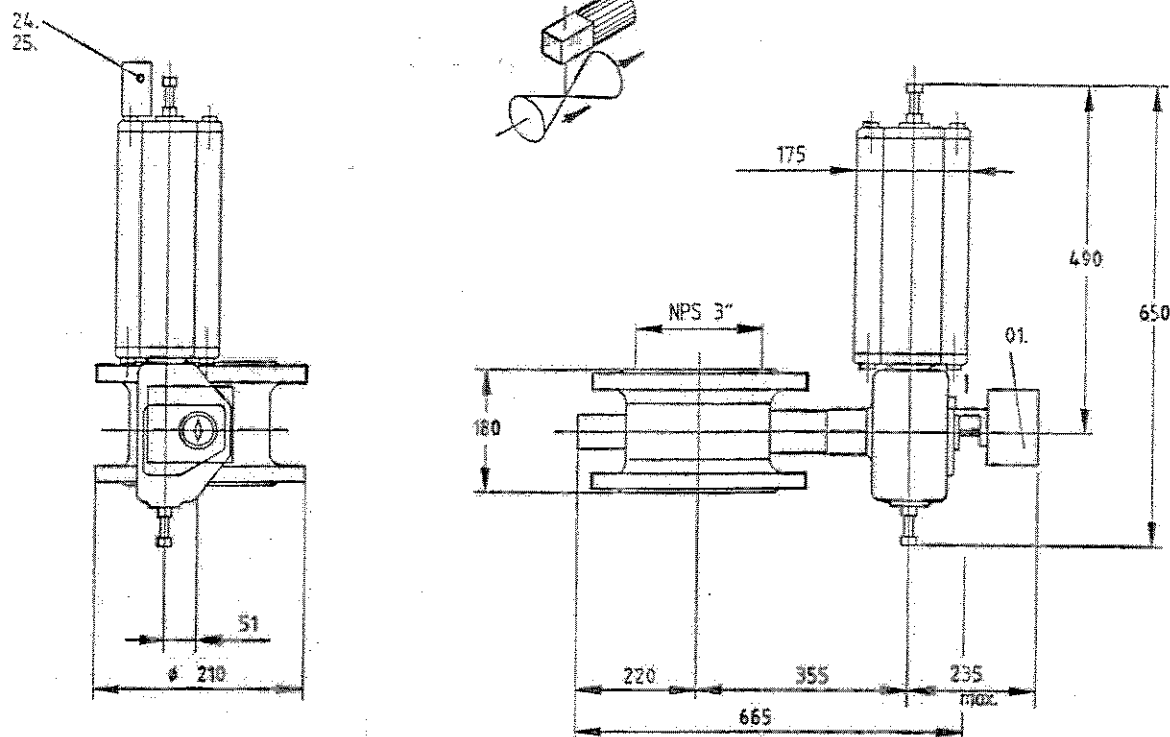
1	TAG NO.	
2		U-XCV75015, 75025, 75035, 75045, 75055, 75065
3	QUANTITY	U-XCV75075, 75085, 75095, 75105
4	SERVICE	10
5	MEDIUM COMPOSITION MOLECULAR WEIGHT	EQUALISATION 1 & 2
6	AMBIENT TEMPERATURE MIN. / MAX.	HYDROGEN / H ₂ / 2,03
7	MINIMUM DESIGN METAL TEMPERATURE	- 46 / + 36 °C ACTUATOR POSITIONER LIMIT SW (note 1)
8	OPERATING TEMPERATURE MIN. / MAX.	-34 °C FOR VALVE BODY AND SEALS
9	OPERATING FLOW COND. 1 / 2 / 3	45,0 / 45,0 °C
10	PRESSURE UPSTREAM COND. 1 / 2 / 3	15830 / 35230 / 41980 Nm ² /h
11	DP COND. 1 / 2 / 3	28,95 / 20,75 / 29,50 kg/cm ² g
12	DP IN CLOSED POSITION	0,051 / 5,731 / 6,118 kg/cm ²
13	REQUIRED C _v COND. 1 / 2 / 3	39,0 kg/cm ²
14	VALVE BODY SIZE RATING STYLE	162 / 46,6 / 45,0
15	SELECTED CV CHARACTERISTIC	DN 80 / 300 lbs / DOUBLE FLANGED
16	BODY MATERIAL	180 / 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 / 180MM
20	VALVE CYCLIC SERVICE UNI / BI-DIRECTIONAL	PSA HIGH CYCLING DUTY
21	VALVE INITIAL CONTROL POSITION	BI-DIRECTIONAL
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 / A-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	+/- 210240
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	PROXIMITY SWITCH / POSITION	QUICK EXHAUST REXROTH P52935-0002
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 :	3" CL300 MAPAG AC25-Z-B1JU10/40C ND8221/ CXS1Y-L-Instr
47		note 1: Electrical Certificate for -40°C. Functional operation shall be guaranteed for -46°C ambient.

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C.B. Joximato

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

MOUNTING POSITION : A-HU



BUTTERFLY VALVE SIZE 080 (03")

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 ND8221/CXS1Y-I, EExdIICT6, CABLE ENTRY M20x1.5 ¹
WITH SST GAUGES (HOUSING/INTERNAL) GRADUATED IN Kg/cm² /bar/psi ,
MOUNTED WITH ELBOWS TO HAVE VERTICAL READING SCALE

24. QUICK-EXHAUST VALVE 1/4"NPT, REXROTH P52935-0002

25. BY-PASS VALVE 1/4"NPT, PARKER 4F-V6AR-SS

PIPING AND FITTINGS : CU/PVC mm - Swagelok Brass

TOTAL WEIGHT : 80 kg

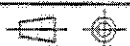
SO NO. : 113520-004

VENDOR / ORDER NO. : / OB-03114-P

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

TAG. NO. : U-XCV75015, U-XCV75025, U-XCV75035, U-XCV75045, **U-XCV75055**,
U-XCV75065, U-XCV75075, U-XCV75085, U-XCV75095, **U-XCV75105**

ORIG	03.02.17	CK
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APPROVED : CK

Field Systems SA

WITTENHEIM
FRANCE

CERTIFIED DIMENSION DRAWING

CONTROL VALVE

DIM113520-004

3" CL300 MAPAG AC25-Z-B1JU10/40C-ND8221/CXS1Y-I-Instr.