



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

AUTOMATIC GLOBE VALVE

PROJECT SPECIFICATION

Number

E-H6279-240

Sheet : 3 of 5

By : F. Heyman

Rev.

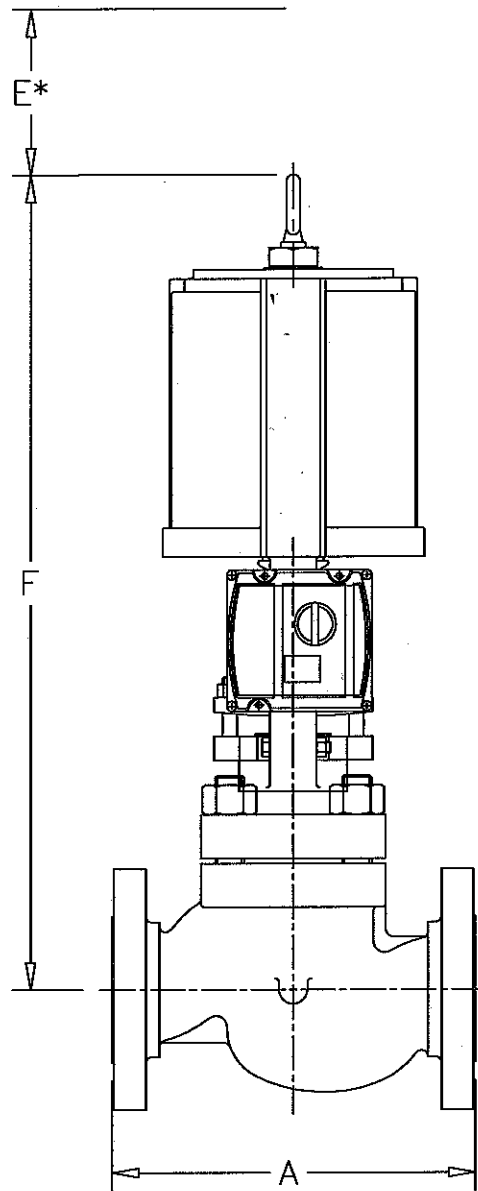
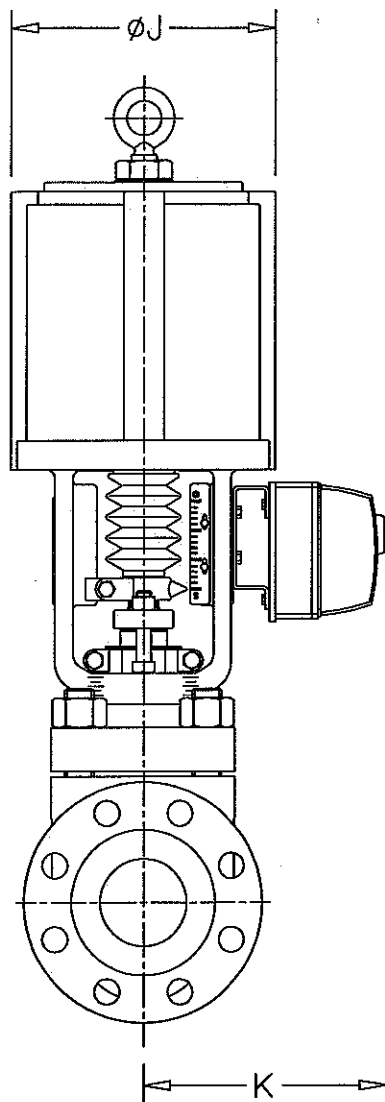
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1	TAG NO.		
2		U-XCV55013, 55023, 55033, 55043, 55053, 55063	
3	QUANTITY	U-XCV55073, 55083, 55093, 55103, 55113, 55123	
4	SERVICE	12	
5	MEDIUM COMPOSITION MOLECULAR WEIGHT	PROVIDING PURGE	
6	AMBIENT TEMPERATURE MIN. / MAX.	HYDROGEN / H ₂ / 2,02	
7	MINIMUM DESIGN METAL TEMPERATURE	- 46 / + 36 °C ACTUATOR POSITIONER LIMIT SW (note 1)	①
8	OPERATING TEMPERATURE MIN. / MAX.	-34 °C FOR VALVE BODY AND SEALS	①
9	OPERATING FLOW COND. 1 / 2 / 3	38,0 / 43,0 °C	
10	PRESSURE UPSTREAM COND. 1 / 2 / 3	2082 / xxx / 6940 Nm ² /h	
11	DP COND. 1 / 2 / 3	4,1 / xxx / 1,95 kg/cm ² g	
12	DP IN CLOSED POSITION	3,75 / xxx / 1,6 kg/cm ²	
13	REQUIRED C _v COND. 1 / 2 / 3	20,0 kg/cm ²	
14	VALVE BODY SIZE RATING STYLE	8,3 / xxx / 57,2 (REDUCED TRIM)	
15	SELECTED CV CHARACTERISTIC	DN 80 / 300 lbs / FLANGED	①
16	BODY MATERIAL	TRIM 2,00 CV 78 / 82 / EQUAL PERCENTAGE	
17	FLANGE RATING FLANGE FACE FINISH	ASTM A 352 LCC (-34°C)	①
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 / BY MFR	
20	VALVE CYCLIC SERVICE UNI / BI-DIRECTIONAL	PSA HIGH CYCLING DUTY	
21	VALVE INITIAL CONTROL POSITION	BI-DIRECTIONAL	
22	FLOW OVER / UNDER PLUG	0 - 25%	
23	SHAFT PACKING TYPE MATERIAL	HEADER OVER PLUG	
24	PLUG AND SHAFT MATERIAL	STANDARD TWIN V-RINGS PTFE	
25	SEAT TYPE MATERIAL	316 STAINLESS STEEL	
26	LEAKAGE RATE (CLASS TO ANSI/FCI-70-2)	SOFT PTFE	
27	ACTUATOR TYPE / MOUNTING POSITION	CLASS VI BUBBLE TIGHT	
28	ACTUATOR SIZE / AIR CONNECTION SIZE	PISTON, SPRING RETURN / TOP MOUNTED	
29	ACTUATOR ACTION	50 SQIN	①
30	AIR SUPPLY PRESSURE MIN. / NORM. / MAX. kg/cm ² g	AIR TO OPEN	
31	SPRING TYPE / ACTION	3,5 / 4,5 / 6,0 kg/cm ² g	
32	NUMBER OF CYCLES PER YEAR	DUAL SPRING / SPRING TO CLOSE	①
33	VALVE DUTY ON/OFF or CONTROL	+ / - 100000	
34	VALVE POSITIONER MODEL	HIGH CYCLE DUTY / CONTROL	
35	POSITIONER TYPE	METSO, SMART ND822, EEx ia IIC T6	①
36	CALIBRATED RANGE	SMART ELECTRO / PNEUMATIC	
37	AIR SUPPLY PRESSURE / AIR CONNECTION	4 - 20 mA	
38	AIR FILTER / REGULATOR	4,5 kg/cm ² g / 1/4" NPTF	①
39	BOOSTER	NOT REQUIRED	
40	PROXIMITY SWITCH / POSITION	SMC Low temperature	①
41	TRAVEL STOP	INCORPORATED IN POSITIONER EEx ia IIC T6	①
42	TUBING & FITTING MATERIAL / SIZE	STANDARD	
43	VALVE SUPPLIER	FOR TUBE AND FITTINGS REFER TO E-H6279-241T	
44	VALVE BRAND	VALTEK MARK ONE ND822 XT11AL	①
45	REMARKS :		①
46			
47		note 1: Electrical Certificate for -40°C. Functional operation shall be guaranteed for -46°C ambient	

This information is proprietary and shall not be disclosed outside your organisation, nor shall it be duplicated, used, or disclosed for any purpose other than as permitted under written agreement with UOP.

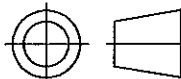
C.B. JUANMARTO



* - DISASSEMBLY/MAINTENANCE CLEARANCE

	A	E	F	J	K	APPROXIMATE WEIGHT
INCH	12.50	5.8	27.8	9.1	9.0	156 LBS
mm	318	147	707	232	229	70 KG

NOTE: DIMENSIONS ARE APPROXIMATE AND THIS DRAWING IS ONLY A SAMPLE NOT FOR CONSTRUCTION
END CONNECTION AND SCALING MAY NOT BE ACTUAL, FOR ACCESSORY INFORMATION, SEE ASSOCIATED SPECIFICATION SHEET.

MODEL MARK I GLOBE	ACTUATOR 50UHC	QUOTE DRAWING			
SIZE 3.00 INCH	AIR TO OPEN	DRAWN / CHECKED JSP / SPB	CUSTOMER YANOS	ITEM	
RATING / F/F STD 300/S75.08.01	FAIL CLOSE	DATE 08-10-12	VALVE TAG XCV-55043 XCV-55403	SHEET 1 OF 1	
END CONNECTION INT FLG	SPRING DUAL	THIRD ANGLE PROJECTION 	P.O. NUMBER ---	REVISION 0	
TRIM TYPE UNBALANCED	TRIM NUMBER / CV 2.00/78		PROJECT VALVES FOR PSA	SERIAL NUMBER 002	