

AIRA EURO AUTOMATION PVT. LTD.

F-MKT-02-07A REV.01

W.O. No	:	BA-0679-KS-01	W.O. Date	:	01-01-26
OA No	:	BA-0679	Department	:	AIRA WARE HOUSE (B
Customer PO No	:	4010045531	PO Date	:	26-12-25
Amended	:		Received	:	
Amended No	:		Amended Date	:	
Valve Type	:	PNEUMATIC OPERATED 2 PC 2 WAY BALL VALVE			
Item Description	:	"AIRA" MAKE PNEUMATIC DOUBLE ACTING ACTUATOR OPERATED / SS 304 BODY & SS 316L BALL / GFT SEAT / 2 PC 2 WAY / FLANGED END 150# BALL VALVE WITH FITTED ACCESSORIES:			
Media / Application	:	WATER			



Service Conditions						Sr. No.	Size	MATERIAL CODE	Qty
Sr. No.	Service Condition	Units	Max	Norm	Min	1	40 MM	26000633	5
1	Flow Rate	KG/HR							
2	Working Pressure	Kg/Cm2	10 KG/CM2						
3	Design / Shut Off pressure	Kg/Cm2	AS PER 150#						
4	Working Temperature	Deg C	UPTO 200 DEG.C						
5	* Required Cv								
6	* Travel								
7	Allowable/*Predicted Spl	dBA							

LINE		
1	ITEM NO.	1
2	ITEM TYPE	2 PC 2 WAY F/E BALL VALVE 150#
3	SIZE	40 MM
4	LEAKAGE CLASS	CLASS VI

OTHER		
5	End CONNECTION	FLANGED END 150#
6	OPERATING TYPE	ACTUATOR OPERATED
7	MANUFACTURING STD.	BS EN 17292
8	TESTING STD.	BS EN 12266-1

MATERIAL OF CONSTRUCTION		
9	BODY/BONNET	ASTM A 351 GR. CF8 (SS 304)
10	GATE/BALL/DISC	ASTM A 351 GR. CF3M (SS 316L)
11	STEM	AISI 316 / AISI 316L
12	GASKET//BODY SEAT RING	STD
13	SEAT/DISC SEAL	GFT
14	HANDLE MOC	STD
15	STUD-NUT	STD
16	SPRING	STD
17	ACTUATOR	DOUBLE ACTING

TEST		
18	NON DISTRUCTIVE TEST	
19	PAINTING	
20	PACKING	
21	REF. STD. DESIGN NO.	
22	APPLICABLE LEGAL REG.	
23	API MONOGRAM MARKING	
24	APPROVAD DRAWING	
25	INSPECTION	
26	APPROVED QAP	

POSITIONER		
27	MODLE	
28	MAKE	
29	TYPE	
30	INPUT SIGNAL	
31	OUTPUT FEED BACK	
32	ENCLOSURE	

ACTUATOR		
33	Type	RACK & PINION TYPE
34	Model	STD
35	Size/TORQUE AT 4 BAR	
36	Supply Connection	1/4" NPT(F)
37	Travel/ Rotation	90 °
38	Action Open/Close	
39	Actuator Operation	DOUBLE ACTING
40	Fail Safe Condition	STAYPUT
41	Supply Pressure	5 BAR
42	Signal Range	STD
43	Handwheel (MO)	NO

SOLENOID VALVE		
44	Type	5/2 WAY NAMUR TYPE SINGLE COIL SOV
45	Make	ROTEX
46	Model	51424-6-2R+I-24VDC-16
47	Enclosure	WEATHERPROOF IP 67
48	Power supply	24 V DC
49	Body Matrial	ALUMINUM
50	Operating Pressure KG/CM2	2 TO 10 BAR
51	Manual over ride	PROVIDED (PUSH BUTTON TYPE)
52	Supply Connection	1/4" NPT(F)
53	Cable Entry	STD

LIMIT SWITCH/ PROXYMITY		
54	Make	HONEY WELL
55	Qty	2 NOS.
56	TYPE	CONTACT
57	Enclosure	WEATHER PROOF IP 67
58	Contact	1 NO + 1 NC (SPDT TYPE)
59	Power supply	STD

AIR SET		
60	Mfr. & Model	YES
61	QTY	1 NOS.
62	Set Pressure	STD
63	Filter	YES
64	Gauges	YES
65	Connection	STD

OTHER		
66	TUBING & FITTING	
67	Actuator Nuts & Bolts	
68	COMPANION FLANGE	
69	FASNER AND GASKET	

Last Revision : TECHINCAL ISSUE - 01-01-2026 02:29 PM

Note : AS PER LAST WO NO: BA-0457 / 07-07-25

KISHAN SOLANKI

PREPARED BY

BHARAT SOLANKI

7567860302

AUTHORISED SIGNATORY

<p>"AIRA" MAKE BALL VALVE DETAIL :- </p> <p>TYPE OF VALVE BODY & BALL : ON/OFF TYPE, 2 PIECE, 2 WAY DESIGN BALL VALVE</p>		<p>ACTUATOR "APPROVALS"</p> <p>  </p>
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"AIRA" MAKE ACTUATOR DETAIL (CE-ATEX & SILS APPROVED) :-

"AIRA" MAKE MICRO LIMIT SWITCH BOX WITH DOMT TYPE ON OFF INDICATOR. DETAILS:- (CE-CIMFR APPROVED)

5/2 WAY NAMUR STANDARD SINGLE COIL - SOLENOID VALVES :

VALVE STANDARD:	
DESIGN AND MANUFACTURING :	BS EN ISO 17292
VALVE FACE TO FACE DIM. :	ASME B 16.10
FLANGE STANDARD CONFORMITY :	AS PER ASME B 16.5 150#
INSPECTION & TESTING STANDARD:	BS EN 12266-1

TESTING DETAIL >		
HYDRAULIC TEST PRESSURE	:	
VALVE BODY	:	30 BAR(G)
SEAT	:	22 BAR(G)
PNEUMATIC TEST PRESSURE	:	07 BAR(G)

* All dimensions are in mm.

DRAWN BY				CHD.BY	APPD.BY	DATE	*Job order should be reviewed At the time of issue	
RAESH						23/08/2024	PO NO	PO DATE
SHEET:				01 OF 01			4010036349	05/07/2024
DRG. NO.				/AEPL-DRG-24 OKM-BV-Z21.dwg			NTS.	
							CLIENT NAME :	
C:\Users\DRG\Desktop\DRAWING\2024\08\05\AEPL-DRG-24 OKM-BV-Z21.dwg							HIMADRI SPECIALITY CHEMICAL LTD	



aira Euro automation pvt. ltd.
AHMEDABAD-382405
INDIA

DIM. DRG. OF 25,40MM DIA.ACTUATOR
OPERATED BALL VALVE F/E.150 #
WITH ACC.