

PLC Controlled Autoclave Pressure Tester

T-DAP-A2101-BOM-REV-03

SI No.	Ckt. code	NX Part No.	ITEM DESCRIPTION	ITEM SPECIFICATIONS	MAKE	Qty
1	1	2A2101P0001	Ball valve	Connection: 1/2"BSP (F) Working Pressure: 10 bar Operating Medium: Air	Festo	1
2	2	2A2101P0002	Filter Regulator	Grade of Filtration: 40 micron meter End connection: 1/2" BSP Female Working Pressure: 10 Bar Operating Medium: Air	Festo	1
3	3	2A2101P0003	Pressure Gauge	Dial size: 2.5" Pressure range: 0-16 bar Scale: Both Bar and PSI Measuring System:SS316L Movement: Stainless steel Dial: White aluminum Pointer: Black Aluminum Accuracy:1%of FS Connection: 1/2"BSP(M) back with 3 hole front flange Glycerin filling: Yes Operating Medium: Air	Wika	1
4	4	2A2101P0004	Electronic Pressure Regulator	Pressure Range 0.9Mpa , Power Supply voltage 24VDC , Input Signal 0-10VDC, Analogue output 0-5VDC , End connection 1/4" BSP female. With 3meter cable connector , pressure display unit kg/cm2	SMC	1

5	5	2A2101P0005	Pressure Transmitter	Pressure range: 0-16 bar	Wika	1
6	6	2A2101P0006	Safety Relief Valve	Set @ 5 Bar , Port Connection: 1/4" , Working Media : Air	Standard	1
7	7.1 & 7.2	2A2101P0007	Solenoid Valve5/2	Wp=8Bar DC24V Normally closed , 1/4" BSPF Port size with side bracket	SMC	2
8	8	2A2101P0008	S.S. Tank	S.S. Tank Capacity: 50 L	Neometrix	1
9	9	2A2101P0009	Filler Breather	Grade of Filtration: 40 Micron Flow Range: 750 LPM Connection Type: Flange type	Hydroline	1
10	10	2A2101P0010	Level gauge	Size - 5"	Hydroline	1
11	11	2A2101P0011	Low Level Switch	Working Fluid : Isopar Mor L	Shridhan /Standard	1
12	12	2A2101P0012	Temperature Transmitter	Working Fluid : Isopar Mor L , Range : 0-100 Deg C	Wika / Radix	1
13	13	2A2101P0013	Ball valve	Connection: 1/2"BSP (F) Working Pressure: 10 bar Operating Medium: ISOPAR M OR L	Festo	1
14	14	2A2101P0014	Suction strainer	Grade of Filtration: 149 Microns Flow Capacity: 20 LPM ; 1/2" BSPF, working media: isopar M or L	Hydroline	2
15	15	2A2101P0015	Ball Valve with Limit Switch	Ball Valve , Size 1/2" ,With feedback for Limit Switch, working medium: isopar M or L	Standard	1
16	16	2A2101P0016	Vane Pump	Working Pressure : 10 bar Flow : 5 LPM working media: ISOPAR M OR L	Eaton / Standard	1
17	17	2A2101P0017	Motor	Three Phase Motor , 2.2 Kw , 1450 RPM	ABB/ Seimens	1
18	18	2A2101P0018	Filter	10 Micron Filter , Working Fluid Isopar M or L	Standard	1
19	19	2A2101P0019	Check Valves	Connection Size:1/2" , Cracking pressure 5 Bar	Standard	1

				Max Pressure:6000 psi (414 bar)		
20	20.1 & 20.2	2A2101P0020	Check Valves	Connection Size:1/2" , Cracking pressure 0.5 bar ,Max Pressure:6000 psi (414 bar)	Hamlet	2
21	21	2A2101P0021	Intensifier	Intensifier , Pressurize up to 150 bar, working media: ISOPAR M OR L	Neometrix	1
22	22	2A2101P0022	Muffler	Material : Brass , Working Media Air	Standard	1
23	23	2A2101P0023	Relief valve	cracking pressure 155 - 206 bar ,	Hamlet	
24	24	2A2101P0024	Pressure gauge	Dial size: 4" Pressure range: 0-280 bar Scale: Both Bar and PSI Measuring system:SS316L Movement: Stainless steel Dial: White Aluminum Pointer: Black Aluminum Accuracy:1%of FS Connection: 1/2"BSP(M) back with 3 hole front flange Glycerin filling: Yes, WORKING MEDIA: ISOPAR M OR L	Wika	1
25	25	2A2101P0025	Pressure Transmitter	Pressure range: 0-280 bar, WORKING MEDIUM: ISOPAR M OR L	Wika	1
26	26	2A2101P0026	autoclave pressure unit	Material : 304 stainless steel Inner diameter : 180 mm working Inner Height : 470 mm Maximum working pressure : 200 bar Maximum working temperature : 10 °C to 45 °C	Standard	1

27	27	2A2101P0027	Automatic Ball Valve	High Pressure Automatic Ball Valve , Size 1/2" , with Pneumatic Actuator for control , Double Acting ,working medium: isopar M or L	Hamlet	1
28	28	2A2101P0028	Automatic Ball Valve	High Pressure Automatic Ball Valve , Size 1/2" , with Pneumatic Actuator for control , Double Acting ,working medium: isopar M or L	Hamlet	1
29	29	2A2101P0029	Return line filter	Working Pressure : 10 bar Flow : 10 LPM working media: isopar M or L	MP Filteri/Standard	1
30	30	2A2101P0030	PLC Programming (HMI) Controller	10 " Touch Screen	Schneider	1
31	N/A	2A2101P0031	Electrical Junction Box	As per requirement	Neometrix	1
32	N/A	2A2101P0032	Tube & Fittings	As per requirement	Hamlet / Standard	1
33	N/A	2A2101P0033	Panel	As per Drawing	Neometrix	1
34	N/A	2A2101P0034	Drying Tray	Material Of construction : Ss -304, Made of 3 mm thickness sheet with all four sides bend of 50 mm to Accomodate 10 Nos of Unit at a time ; Size of Tray : 500 mm X 500 mm X 50 mm	Neometrix	1