

NO. 序号	ITEM NO. 设备位号	EQUIPMENT NAME 设备名称	EQUIPMENT DESCRIPTION 设备描述	MATERIAL 材质	MEDIUM 介质	VISC. (cP) 粘度	DENS. 密度 (kg/m³)	P&ID NO. P&ID图号	CONNECTION 连接			OP. CONDITION 操作条件		DES. CONDITION 设计条件		SUPPLY INFORMATION 供货信息		DATA SHEET OR DWG. NO. 数据表或图纸 文件号	ITEM NO. 物料编码	REMARKS 备注
									形式	标准	尺寸	PRESS.压力	TEMP.温度	PRESS.压力	TEMP.温度	SUP'R 厂家名称	MODEL NO. 型号			
1	TK2101	MAIN TANK	I.D.3200*2680 Half pipe jacket Insulation jacket	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Morimatsu	N/A	N/A		
2	TK2301	PREMIX TANK	I.D.1500*2050 Half pipe jacket Insulation jacket	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Morimatsu	N/A	N/A		
3	TK2201	SUPPORT TANK	I.D.2400*2880 Half pipe jacket Insulation jacket	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Morimatsu	N/A	N/A		
4	FV2126	L-Bottom Valve	Double Position feedback	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tri-clamp	ISO	2S	-0.09~0.14	20~126	-0.1/0.2	150	TOSTE	316L-(EP)2P-C-20-DAC2L14RJCOF	PP22-0133-T-000534	N/A	
5	FV2127	L-Bottom Valve	Double Position feedback	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tri-clamp	ISO	3S	-0.09~0.14	20~126	-0.1/0.2	150	TOSTE	316L-(EP)2P-C-30-DAC2L14RJCOF	PP22-0133-T-000535	N/A	
6	FV2226	L-Bottom valve	Double Position feedback	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tri-clamp	ISO	2S	-0.09~0.14	20~126	-0.1/0.2	150	TOSTE	316L-(EP)2P-C-20-DAC2L14RJCOF	PP22-0133-T-000534	N/A	
7	FV2227	L-Bottom valve	Double Position feedback	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tri-clamp	ISO	3S	-0.09~0.14	20~126	-0.1/0.2	150	TOSTE	316L-(EP)2P-C-30-DAC2L14RJCOF	PP22-0133-T-000535	N/A	
8	FV2326	L-Bottom valve	Double Position feedback	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tri-clamp	ISO	2S	-0.09~0.14	20~126	-0.1/0.2	150	TOSTE	316L-(EP)2P-C-20-DAC2L14RJCOF	PP22-0133-T-000534	N/A	
9	FV2327	L-Bottom valve	Double Position feedback	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Tri-clamp	ISO	3S	-0.09~0.14	20~126	-0.1/0.2	150	TOSTE	316L-(EP)2P-C-30-DAC2L14RJCOF	PP22-0133-T-000535	N/A	
10	SB2101	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
11	SB2102	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
12	SB2103	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
13	SB2104	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
14	SB2105	Spray Ball	Pressure:1~3bar Flow:1.8~3.5m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	clip on	N/A	19.2	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	SaniMicro	PP22-0133-T-000346	N/A	
15	SB2201	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
16	SB2202	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
17	SB2203	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
18	SB2204	Spray Ball	Pressure:3~8bar Flow:5.5~9m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	Tread	Rp	1	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	TJ20G	PP22-0133-T-000342	N/A	
19	SB2205	Spray Ball	Pressure:1~3bar Flow:1.8~3.5m3/h	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	clip on	N/A	19.2	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	SaniMicro	PP22-0133-T-000346	N/A	
20	SB2301	Spray Ball	Pressure:1~3bar Flow:4.5~6.9m3/h	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	clip on	N/A	25.7	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	SaniMiget	PP22-0133-T-000430	N/A	
21	SB2302	Spray Ball	Pressure:1~3bar Flow:4.5~6.9m3/h	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	clip on	N/A	25.7	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	SaniMiget	PP22-0133-T-000430	N/A	
22	SB2305	Spray Ball	Pressure:1~3bar Flow:1.8~3.5m3/h	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	clip on	N/A	19.2	-0.09~0.14	20~126	-0.1/0.2	150	ALFA LAVAL	SaniMicro	PP22-0133-T-000346	N/A	
23	FV2387	Sidewall Cleaning Valve	Pressure:-1~7bar	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Welding	ASME BPE	3/4S	-0.09~0.14	20~126	-0.1/0.2	150	GEMU	99112524 P600B 02-01.NA 411537 B3QH	PP22-0133-T-000405	N/A	
24	FV2388	Sidewall Cleaning Valve	Pressure:-1~7bar	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Welding	ASME BPE	3/4S	-0.09~0.14	20~126	-0.1/0.2	150	GEMU	99112524 P600B 02-01.NA 411537 B3QH	PP22-0133-T-000405	N/A	
25	FV2287	Sidewall Cleaning Valve	Pressure:-1~7bar	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Welding	ASME BPE	3/4S	-0.09~0.14	20~126	-0.1/0.2	150	GEMU	99112524 P600B 02-01.NA 411537 B3QH	PP22-0133-T-000405	N/A	
26	FV2288	Sidewall Cleaning Valve	Pressure:-1~7bar	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Welding	ASME BPE	3/4S	-0.09~0.14	20~126	-0.1/0.2	150	GEMU	99112524 P600B 02-01.NA 411537 B3QH	PP22-0133-T-000405	N/A	
27	FV2187	Sidewall Cleaning Valve	Pressure:-1~7bar	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Welding	ASME BPE	3/4S	-0.09~0.14	20~126	-0.1/0.2	150	GEMU	99112524 P600B 02-01.NA 411537 B3QH	PP22-0133-T-000405	N/A	
28	FV2188	Sidewall Cleaning Valve	Pressure:-1~7bar	SS316L	FM/CIP/SIP	1~12000	1000	PP22-0133-T-000010	Welding	ASME BPE	3/4S	-0.09~0.14	20~126	-0.1/0.2	150	GEMU	99112524 P600B 02-01.NA 411537 B3QH	PP22-0133-T-000405	N/A	
29	AG2301	Agitator	9.2KW/4P,10~72rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.535	-0.09~0.14	20~126	-0.1/0.2	150	Nagamori	N/A	N/A		
30	AG2201	Agitator	18.5KW/4P,3~27rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.655	-0.09~0.14	20~126	-0.1/0.2	150	Nagamori	N/A	N/A		
31	AG2101A	Agitator	BLADES:37KW/4P 10~50rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.700	-0.09~0.14	20~126	-0.1/0.2	150	Nagamori	N/A	N/A		
32	AG2101B	Agitator	ANCHOR:22KW/4P 2~16rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.700	-0.09~0.14	20~126	-0.1/0.2	150	Nagamori	N/A	N/A		
33	HO2301	Homogenizer	55KW,380V/50HZ,2050rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.500	-0.09~0.14	20~126	-0.1/0.2	150	METVOX	BT280R	PP22-0133-T-000721	N/A	
34	HO2201	Homogenizer	110KW,380V/50HZ,1800rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.500	-0.09~0.14	20~126	-0.1/0.2	150	METVOX	MF850S2/290	PP22-0133-T-000722	N/A	

35	HO2101	Homogenizer	132KW,380V/50HZ,1600rpm	SS316L	FM/CIP/SIP	1	1000	PP22-0133-T-000010	PAD	N/A	O.D.500	-0.09~0.14	20~126	-0.1/0.2	150	METVOX	MF850S2/325	PP22-0133-T-000723	N/A	
36	ATU2101	Filter Reducing Unit	Air Filtrate Reducing	Cast Zinc Alloy	IA	2.68/8.9	0.019	PP22-0133-T-000010	Thread	G Thread	1"	0.6	25	1.6	60	FESTO	HE-D-MAXI(with FRB-D-MAXI+U-3/8)+HEE-D-MAXI-24 (with one MSSD-EB)(with FRB-D-MAXI+U-3/8)+LFR-1/2-D-5M-MAXI-A-MPA (with LRV5-D-MAXI)	PP22-0133-T-000308	00VK0000452	
37	ATU2201	Filter Reducing Unit	Air Filtrate Reducing	Cast Zinc Alloy	IA	2.68/8.9	0.019	PP22-0133-T-000010	Thread	G Thread	1"	0.6	25	1.6	60	FESTO	HE-D-MAXI(with FRB-D-MAXI+U-3/8)+HEE-D-MAXI-24 (with one MSSD-EB)(with FRB-D-MAXI+U-3/8)+LFR-1/2-D-5M-MAXI-A-MPA (with LRV5-D-MAXI)	PP22-0133-T-000308	00VK0000452	
38	ATU2301	Filter Reducing Unit	Air Filtrate Reducing	Cast Zinc Alloy	IA	2.68/8.9	0.019	PP22-0133-T-000010	Thread	G Thread	1"	0.6	25	1.6	60	FESTO	HE-D-MAXI(with FRB-D-MAXI+U-3/8)+HEE-D-MAXI-24 (with one MSSD-EB)(with FRB-D-MAXI+U-3/8)+LFR-1/2-D-5M-MAXI-A-MPA (with LRV5-D-MAXI)	PP22-0133-T-000308	00VK0000452	
39	F2101	Filter-Housing	Spec: 20"	316L	CA	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	1.5"	0.1~0.3	20~90	0.7	140	PALL	A01MK2G7BP23ND1H4	PP22-0133-T-000245	009AB0000266	
40	F2101	Filter Cartridge	Spec: 20" Pore size:0.2um	PTFE	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	20"	N/A	N/A	0.6	142	PALL	AB2PFR7PVH4	PP22-0133-T-000248	009AC0000023	
41	F2201	Filter-Housing	Spec: 20"	316L	CA	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	1.5"	0.1~0.3	20~90	0.7	140	PALL	A01MK2G7BP23ND1H4	PP22-0133-T-000245	009AB0000266	
42	F2201	Filter Cartridge	Spec: 20" Pore size:0.2um	PTFE	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	20"	N/A	N/A	0.6	142	PALL	AB2PFR7PVH4	PP22-0133-T-000248	009AC0000023	
43	F2301	Filter-Housing	Spec: 10"	316L	CA	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	1.5"	0.1~0.3	20~90	0.7	140	PALL	A01MK1G7BP23D1D1H4	PP22-0133-T-000244	009AB0000174	
44	F2301	Filter Cartridge	Spec: 10" Pore size:0.2um	PTFE	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	10"	N/A	N/A	0.6	142	PALL	AB1PFR7PVH4	PP22-0133-T-000247	009AC0000025	
45	FV2101	Pneumatic Diaphragm Valve	Failure Position:NO Double Feedback	1.4435 casting	Exhaust gas	0.018	1.293	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.1~0.3	20~90	0.6	150	GEMU	687 40D 59 C3 5M 2 H/N 1507(S1=S2=10) + 1232000ZA103051110304+03 24 2M 1474 41C1010210	PP22-0133-T-000044	00VA0002448	
46	FV2102	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.14	40	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
47	FV2103	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-63/EV61- 531MB1-24V/LSM-200-M2-2- G1/2"	PP22-0133-T-000560	00VC0005160	
48	FV2104	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.14	40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
49	FV2105	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Powder	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.01	~99	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
50	FV2106	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Liquid	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.01	~99	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
51	FV2107	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.2~0.8	60~80	0.6	150	GEMU	625 20D 59 C3 54 1 1/N 1507(S1=S2=10)+ 1232000ZA103051110304+03 24 2M1474 41C1010210	PP22-0133-T-000042	00VA0002673	
52	FV2112	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
53	FV2113	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
54	FV2114	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
55	FV2115	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
56	FV2117	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2.5"	ATM	20~95	1	135	NEUMO	360259582/2	PP22-0133-T-000029	00VB0002072	
57	FV2119	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.2~0.8	60~80	0.6	150	GEMU	625 20D 59 C3 54 1 1/N 1507(S1=S2=10)+ 1232000ZA103051110304+03 24 2M1474 41C1010210	PP22-0133-T-000042	00VA0002673	
58	FV2120	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	60~80	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
59	FV2121	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.14	121	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
60	FV2123	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
61	FV2124	Pneumatic Ball Valve	Failure Position:NO Double Feedback	CF3M	Exhaust gas	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.01	~99	2	180	Modentic	V-A58EB/MDNSII-92/EV61- 531MB1-24V/LSM-200-M2-2- G1/2"	PP22-0133-T-000562	00VC0005342	

62	FV2128	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	DR	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1/2"	ATM	20~95	0.6	150	GEMU	625 15D 59 C3 54 1 1/N 1507 (S1=S2=10)+1232000ZA10305 1110304+0324 2M1474 41C1010210	PP22-0133-T-000041	00VA0002444	
63	FV2129	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
64	FV2131	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
65	FV2132	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
66	FV2133	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
67	FV2134	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
68	FV2136	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
69	FV2137	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	60~80	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
70	FV2139	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2.5"	ATM	20~95	1	135	NEUMO	360259582/2	PP22-0133-T-000029	00VB0002072	
71	FV2140	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000561	00VC0005338	
72	FV2141	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
73	FV2142	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Exhaust gas	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.01	~99	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
74	FV2143	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
75	FV2144	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
76	FV2145	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
77	FV2146	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.2~0.8	60~80	1	135	NEUMO	360257582/2	PP22-0133-T-000027	00VB0002070	
78	FV2147	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
79	FV2148	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
80	FV2149	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
81	FV2170	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
82	FV2171	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
83	FV2172	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
84	FV2173	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
85	FV2174	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
86	FV2175	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
87	FV2176	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
88	FV2177	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000561	00VC0005338	
89	FV2178	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
90	FV2179	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
91	FV2180	Mixproof Valve	Top:2" Bottom:3"	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"-3"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2729.32	PP22-0133-T-000334	XP2231492AT0009	
92	FV2181	Mixproof Valve	Top:2" Bottom:3"	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"-3"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2729.32	PP22-0133-T-000334	XP2231492AT0009	
93	FV2182	Mixproof Valve	Top:1.5" Bottom:3"	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"-3"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2629.32	PP22-0133-T-000333	XP2231492AT0008	
94	FV2183	Mixproof Valve	Top:6" Bottom:4"	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"-4"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.3230.32	PP22-0133-T-000338	XP2231492AT0013	
95	FV2201	Pneumatic Diaphragm Valve	Failure Position:NO Double Feedback	1.4435 casting	Exhaust gas	0.018	1.293	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.1~0.3	20~90	0.6	150	GEMU	687 40D 59 C3 5M 2 H/N 1507(S1=S2=10) + 1232000ZA103051110304+0324 2M 1474 41C1010210	PP22-0133-T-000044	00VA0002448	
96	FV2202	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.14	40	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	

97	FV2203	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000560	00VC0005160	
98	FV2204	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.14	40	1	135	NEUMO	360257582/2	PP22-0133-T-000027	00VB0002070	
99	FV2205	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Powder	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.01	~99	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
100	FV2206	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Liquid	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.01	~99	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
101	FV2207	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.2~0.8	60~80	0.6	150	GEMU	625 20D 59 C3 54 1 1/N 1507(S1=S2=10)+1232000ZA103051110304+0324 2M1474 41C1010210	PP22-0133-T-000042	00VA0002673	
102	FV2213	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
103	FV2214	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
104	FV2215	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
105	FV2217	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2.5"	ATM	20~95	1	135	NEUMO	360259582/2	PP22-0133-T-000029	00VB0002072	
106	FV2219	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.2~0.8	60~80	0.6	150	GEMU	625 20D 59 C3 54 1 1/N 1507(S1=S2=10)+1232000ZA103051110304+0324 2M1474 41C1010210	PP22-0133-T-000042	00VA0002673	
107	FV2220	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	60~80	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
108	FV2221	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.14	121	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
109	FV2212	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
110	FV2223	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
111	FV2224	Pneumatic Ball Valve	Failure Position:NO Double Feedback	CF3M	Exhaust gas	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.01	~99	2	180	Modentic	V-A58EB/MDNSII-92/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000562	00VC0005342	
112	FV2228	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	DR	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1/2"	ATM	20~95	0.6	150	GEMU	625 15D 59 C3 54 1 1/N 1507(S1=S2=10)+1232000ZA103051110304+0324 2M1474 41C1010210	PP22-0133-T-000041	00VA0002444	
113	FV2229	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
114	FV2231	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
115	FV2232	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"	0.2~0.8	AMB	1	135	NEUMO	300264582/2	PP22-0133-T-000032	00VB0002075	
116	FV2233	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
117	FV2234	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
118	FV2236	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
119	FV2237	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
120	FV2238	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
121	FV2239	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2.5"	ATM	20~95	1	135	NEUMO	360259582/2	PP22-0133-T-000029	00VB0002072	
122	FV2240	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000561	00VC0005338	
123	FV2241	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
124	FV2242	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Exhaust gas	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.01	~99	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
125	FV2243	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
126	FV2244	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
127	FV2245	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
128	FV2246	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.2~0.8	60~80	1	135	NEUMO	360257582/2	PP22-0133-T-000027	00VB0002070	
129	FV2247	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
130	FV2248	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
131	FV2270	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	

132	FV2271	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
133	FV2272	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
134	FV2273	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
135	FV2274	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
136	FV2275	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
137	FV2280	Mixproof Valve	Top:2" Bottom:3"	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"-3"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2729.32	PP22-0133-T-000334	XP2231492AT0009	
138	FV2281	Mixproof Valve	Top:2" Bottom:3"	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"-3"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2729.32	PP22-0133-T-000334	XP2231492AT0009	
139	FV2282	Mixproof Valve	Top:1.5" Bottom:3"	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"-3"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2629.32	PP22-0133-T-000333	XP2231492AT0008	
140	FV2283	Mixproof Valve	Top:6" Bottom:4"	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	6"-4"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.3230.32	PP22-0133-T-000338	XP2231492AT0013	
141	FV2284	Mixproof Valve	Top:3" Bottom:4"	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"-4"	0.2~0.8	AMB	1	150	NEUMO	30107.1400.03.2930.32	PP22-0133-T-000336	XP2231492AT0011	
142	FV2301	Pneumatic Diaphragm Valve	Failure Position:NO Double Feedback	1.4435 casting	Exhaust gas	0.018	1.293	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.1~0.3	20~90	0.6	150	GEMU	687 40D 59 C3 5M 2 H/N 1507(S1=S2=10) + 1232000ZA103051110304+03 24 2M 1474 41C1010210	PP22-0133-T-000044	00VA0002448	
143	FV2302	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.14	40	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
144	FV2303	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000560	00VC0005160	
145	FV2304	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	40	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
146	FV2305	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Powder	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.01	~99	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
147	FV2306	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Liquid	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.01	~99	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
148	FV2307	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1/2"	0.2~0.8	60~80	0.6	150	GEMU	625 15D 59 C3 54 1 1/N 1507 (S1=S2=10)+1232000ZA10305 1110304+0324 2M1474 41C1010210	PP22-0133-T-000041	00VA0002444	
149	FV2312	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
150	FV2313	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
151	FV2317	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2.5"	ATM	20~95	1	135	NEUMO	360259582/2	PP22-0133-T-000029	00VB0002072	
152	FV2319	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.2~0.8	60~80	0.6	150	GEMU	625 20D 59 C3 54 1 1/N 1507 (S1=S2=10)+1232000ZA10305 1110304+0324 2M1474 41C1010210	PP22-0133-T-000042	00VA0002673	
153	FV2320	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	60~80	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
154	FV2321	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.14	121	1	135	NEUMO	360257582/2	PP22-0133-T-000027	00VB0002070	
155	FV2323	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
156	FV2324	Pneumatic Ball Valve	Failure Position:NO Double Feedback	CF3M	Exhaust gas	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.01	~99	2	180	Modentic	V-A58EB/MDNSII-92/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000562	00VC0005342	
157	FV2328	Pneumatic Diaphragm Valve	Failure Position:NC Double Feedback	1.4435 casting	DR	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1/2"	ATM	20~95	0.6	150	GEMU	625 15D 59 C3 54 1 1/N 1507 (S1=S2=10)+1232000ZA10305 1110304+0324 2M1474 41C1010210	PP22-0133-T-000041	00VA0002444	
158	FV2329	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
159	FV2331	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
160	FV2332	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
161	FV2333	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
162	FV2334	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
163	FV2336	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
164	FV2339	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2.5"	ATM	20~95	1	135	NEUMO	360259582/2	PP22-0133-T-000029	00VB0002072	

165	FV2340	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000561	00VC0005338	
166	FV2341	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
167	FV2342	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Exhaust gas	0.021	1.09	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.01	~99	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
168	FV2343	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
169	FV2344	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
170	FV2345	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
171	FV2346	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.2~0.8	60~80	1	135	NEUMO	360257582/2	PP22-0133-T-000027	00VB0002070	
172	FV2347	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
173	FV2348	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	135	NEUMO	360262582/2	PP22-0133-T-000031	00VB0002074	
174	FV2725	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
175	FV2726	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
176	FV2727	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
177	FV2825	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
178	FV2826	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
179	FV2827	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
180	FV2925	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
181	FV2926	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
182	FV2927	Pneumatic Ball Valve	Three Valve Openings	CF3M	C	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB/MDNDII-63/4V330C08B-24V/LSM-300-M4-2-G1/2"+FRM200+MASC200-08	PP22-0133-T-000569	XP2231492AT0014	
183	MV2101	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
184	MV2102	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
185	MV2103	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
186	MV2104	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.2~0.8	AMB	1	135	NEUMO	360257012/2	PP22-0133-T-000034	00VB0002076	
187	MV2138	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
188	MV2139	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	60~80	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
189	MV2141	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	DR	~1	~1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	ATM	20~95	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
190	MV2201	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	

191	MV2202	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
192	MV2203	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
193	MV2204	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.2~0.8	AMB	1	135	NEUMO	360257012/2	PP22-0133-T-000034	00VB0002076	
194	MV2238	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
195	MV2239	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
196	MV2240	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
197	MV2241	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
198	MV2301	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
199	MV2302	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
200	MV2303	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
201	MV2304	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	1.5"	0.2~0.8	AMB	1	135	NEUMO	360257012/2	PP22-0133-T-000034	00VB0002076	
202	MV2338	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
203	MV2339	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260012/2	PP22-0133-T-000037	00VB0002078	
204	PSV2101	Pressure Safety Valve	located on the top of 20000L tank, Design pressure of tank: -1~2barg	316L	CIP/SIP	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"-3"	0.1~0.3	20~90	1	150	LESER	4884.8852	PP22-0133-T-000331	00VH0000629	
205	PSV2104	Pressure Relief Valve	Set Pressure P=9.5barg	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	150	NEUMO	41210.1004.03.0030.32	PP22-0133-T-000540	00VR0000133	
206	PSV2201	Pressure Safety Valve	located on the top of 12000L tank, Design pressure of tank: -1~2barg	316L	CIP/SIP	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"-3"	0.1~0.3	20~90	1	150	LESER	4884.8852	PP22-0133-T-000331	00VH0000629	
207	PSV2204	Pressure Relief Valve	Set Pressure P=9.5barg	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	150	NEUMO	41210.1004.03.0030.32	PP22-0133-T-000540	00VR0000133	
208	PSV2301	Pressure Safety Valve	located on the top of 3000L tank, Design pressure of tank: -1~2barg	316L	CIP/SIP	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	1.5"-2"	0.1~0.3	20~90	1	150	LESER	4884.8842	PP22-0133-T-000330	00VH0000628	
209	PSV2304	Pressure Relief Valve	Set Pressure P=9.5barg	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	4"	0.2~0.8	AMB	1	150	NEUMO	41210.1004.03.0030.32	PP22-0133-T-000540	00VR0000133	
210	PU2101	Lobe Pump	Motor Type:SK772.1-160MP/4 F IG12 Power: 11kW	316L	Product	100	1000	PP22-0133-T-000010	TC	3A	3"	0.2~0.8	AMB	1	150	Waukesha	U3-180	PP22-0133-T-000420	XP2231492AL0004	
211	PU2201	Lobe Pump	Motor Type:SK772.1-160MP/4 F IG12 Power: 11kW	316L	Product	100	1000	PP22-0133-T-000010	TC	3A	3"	0.2~0.8	AMB	1	150	Waukesha	U3-180	PP22-0133-T-000420	XP2231492AL0004	
212	PU2301	Lobe Pump	Motor Type:SK772.1-160LP/4 F IG12 Power: 15kW	316L	Product	100	1000	PP22-0133-T-000010	TC	3A	3"	0.2~0.8	AMB	1	150	Waukesha	U3-180	PP22-0133-T-000419	XP2231492AL0003	
213	ST2101	Steam Trap	1100kg/h,ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	ATM	20~95	0.6	150	Spirax sacro	BT6-BH	PP22-0133-T-000122	00VJ0000010	
214	ST2102	Steam Trap	1100kg/h,ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	ATM	20~95	0.6	150	Spirax sacro	BT6-BH	PP22-0133-T-000122	00VJ0000010	
215	ST2103	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
216	ST2201	Steam Trap	1100kg/h,ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	ATM	20~95	0.6	150	Spirax sacro	BT6-BH	PP22-0133-T-000122	00VJ0000010	
217	ST2203	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
218	ST2301	Steam Trap	1100kg/h,ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	ATM	20~95	0.6	150	Spirax sacro	BT6-BH	PP22-0133-T-000122	00VJ0000010	
219	ST2303	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
220	STR2101	L-Filter	Precision: 100 mesh	316L	CIPS	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	S-I-B-O Speical filter L- OD2" 100mesh	PP22-0133-T-000603	XP2231492AT0007	
221	STR2201	L-Filter	Precision: 100 mesh	316L	CIPS	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	S-I-B-O Speical filter L- OD2" 100mesh	PP22-0133-T-000603	XP2231492AT0007	
222	STR2301	L-Filter	Precision: 100 mesh	316L	CIPS	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	S-I-B-O Speical filter L- OD2" 100mesh	PP22-0133-T-000603	XP2231492AT0007	
223	SV2101	Sampling Valve	Piping Sampling	1.4404	Product	100	1000	PP22-0133-T-000010	Tri- Clamp	ASME BPE	2"	0.2~0.8	AMB	1	121	KEOFITT	W15 C(860002)+H(865541)	PP22-0133-T-000600	00VS0000091	
224	SV2201	Sampling Valve	Piping Sampling	1.4404	Product	100	1000	PP22-0133-T-000010	Tri- Clamp	ASME BPE	2"	0.2~0.8	AMB	1	121	KEOFITT	W15 C(860002)+H(865541)	PP22-0133-T-000600	00VS0000091	
225	SV2301	Sampling Valve	Piping Sampling	1.4404	Product	100	1000	PP22-0133-T-000010	Tri- Clamp	ASME BPE	2"	0.2~0.8	AMB	1	121	KEOFITT	W15 C(860002)+H(865541)	PP22-0133-T-000600	00VS0000091	
226	EHT2102	Electric Heating Jacket	Output Power: 0.6kW	Silicone	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	20"	0.1~0.3	20~90	0.7	200	Sinobrane Life Sciences	KDSI-20-540 220V	PP22-0133-T-000379	009AE0000015	
227	EHT2202	Electric Heating Jacket	Output Power: 0.6kW	Silicone	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	20"	0.1~0.3	20~90	0.7	200	Sinobrane Life Sciences	KDSI-20-540 220V	PP22-0133-T-000379	009AE0000015	

228	EHT2302	Electric Heating Jacket	Output Power: 0.3kW	Silicone	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	10"	0.1~0.3	20~90	0.7	200	Sinobrane Life Sciences	KDSI-10-300 220V	PP22-0133-T-000377	009AE0000013	
229	ST2104	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
230	ST2204	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
231	ST2304	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
232	FV2169	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	121	0.4	150	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
233	FV2269	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	121	0.4	150	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
234	FV2369	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	121	0.4	150	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
235	MV2105	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
236	MV2205	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
237	MV2305	Manual Butterfly Valve	UNION, With proximity switch mounting bracket	316L	Raw material	TBD	TBD	PP22-0133-T-000010	Butt Weld	ASME BPE	2"	0.2~0.8	AMB	1	135	NEUMO	360258012/2	PP22-0133-T-000035	00VB0002077	
238	FV2166	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.8	60~80	1	130	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
239	FV2266	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.8	60~80	1	130	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
240	FV2366	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CIPS	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.8	60~80	1	130	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
241	FV2167	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	40	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
242	FV2267	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	40	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
243	FV2168	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	40	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
244	FV2268	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.14	40	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
245	CV2101	Check Valve	Spring Type	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	0.14/0.6	40	1	150	NEUMO	45C-6-1.0-E	PP22-0133-T-001775	00VD0001171	
246	CV2102	Check Valve	Spring Type	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	0.14/0.6	40	1	150	NEUMO	45C-6-1.0-E	PP22-0133-T-001775	00VD0001171	
247	CV2201	Check Valve	Spring Type	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	0.14/0.6	40	1	150	NEUMO	45C-6-1.0-E	PP22-0133-T-001775	00VD0001171	
248	CV2202	Check Valve	Spring Type	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	0.14/0.6	40	1	150	NEUMO	45C-6-1.0-E	PP22-0133-T-001775	00VD0001171	
249	FV2189	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	FM	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.8	60~80	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
250	FV2289	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	FM	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.8	60~80	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
251	F2104	Filter-Housing	Spec: 5"	316L	CA	0.018	1.293	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	0.1~0.3	20~90	0.7	140	PALL	SAS0105GBP15D1NH4E	PP22-0133-T-001956	009AB0000127	
252	F2104	Filter Cartridge	Spec: 5" Pore size:0.2um	PTFE	CA	0.018	1.293	PP22-0133-T-000010	N/A	N/A	5"	N/A	N/A	0.6	142	PALL	AB05PFR2PVH4	PP22-0133-T-000246	009AC0000021	
253	FV2190	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	316L	FM	1	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	1"	0.2~0.8	60~80	1	135	NEUMO	360254582/2	PP22-0133-T-000242	00VB0002069	
254	FV2191	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T-000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	
255	FH2104	Flexible Hose	Length:500mm	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	~0.14	~40	-0.09~1.6	-40~150	Pharmflex®	32GP4064060-0500-0	PP22-0133-T-000674	00JAN0000611	
256	FH2109	Flexible Hose	Length:500mm	316L	CIPS	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	20~80	-0.09~1.6	-40~150	Pharmflex®	32GP4064060-0500-0	PP22-0133-T-000674	00JAN0000611	
257	FH2113	Flexible Hose	Length:300mm	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	3/4"	ATM	20~95	-0.09~1.6	-40~150	Pharmflex®	12GP4264260-0300-0	PP22-0133-T-000672	00JAN0000608	
258	FH2204	Flexible Hose	Length:400mm	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	1.5"	~0.14	~40	-0.09~1.6	-40~150	Pharmflex®	24GP4064060-0400-0	PP22-0133-T-000676	00JAN0000610	
259	FH2209	Flexible Hose	Length:500mm	316L	CIPS	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	20~80	-0.09~1.6	-40~150	Pharmflex®	32GP4064060-0500-0	PP22-0133-T-000674	00JAN0000611	
260	FH2213	Flexible Hose	Length:300mm	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	3/4"	ATM	20~95	-0.09~1.6	-40~150	Pharmflex®	12GP4264260-0300-0	PP22-0133-T-000672	00JAN0000608	
261	FH2304	Flexible Hose	Length:300mm	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000010	Tri-clamp	ASME BPE	1"	~0.14	~40	-0.09~1.6	-40~150	Pharmflex®	16GP4064060-0300-0	PP22-0133-T-000673	00JAN0000609	
262	FH2309	Flexible Hose	Length:500mm	316L	CIPS	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	20~80	-0.09~1.6	-40~150	Pharmflex®	32GP4064060-0500-0	PP22-0133-T-000674	00JAN0000611	
263	FH2313	Flexible Hose	Length:300mm	316L	DR	~1	~1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	3/4"	ATM	20~95	-0.09~1.6	-40~150	Pharmflex®	12GP4264260-0300-0	PP22-0133-T-000672	00JAN0000608	
264	SG2101	Sight Glass	hold	316L	FM	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	6"	0.1~0.6	25~80	0.3	135	NEUMO	SG.SV.600.SF1	PP22-0133-T-000669	00JCH0000169	
265	SG2201	Sight Glass	hold	316L	FM	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	6"	0.1~0.6	25~80	0.3	135	NEUMO	SG.SV.600.SF1	PP22-0133-T-000669	00JCH0000169	
266	SG2301	Sight Glass	hold	316L	FM	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	4"	0.1~0.6	25~80	0.4	135	NEUMO	SG.SV.400.SF1	PP22-0133-T-000373	00JCH0000168	
267	CV2150	Check Valve	Swing type	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 150#	3"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000621	00VD0000820	

268	CV2151	Check Valve	Swing type	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 150#	3"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000621	00VD0000820	
269	CV2250	Check Valve	Swing type	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 150#	3"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000621	00VD0000820	
270	CV2251	Check Valve	Swing type	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 150#	3"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000621	00VD0000820	
271	CV2350	Check Valve	Swing type	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 150#	2.5"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000620	00VD0001217	
272	CV2351	Check Valve	Swing type	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 150#	2.5"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000620	00VD0001217	
273	ET2150	Expansion Tank	Membrane: EPDM-HT	Carbon Steel	water	~1	~1000	PP22-0133-T-000011	Thread	G Thread	G1"	0.15	10~93	1	-10~140	AQUASYSTEM	VSV150	PP22-0133-T-000760	XP2231492AT0018	
274	ET2251	Expansion Tank	Membrane: EPDM-HT	Carbon Steel	water	~1	~1000	PP22-0133-T-000011	Thread	G Thread	G1"	0.15	10~93	1	-10~140	AQUASYSTEM	VSV80	PP22-0133-T-000312	XP2231492AT0016	
275	ET2151	Expansion Tank	Membrane: EPDM-HT	Carbon Steel	water	~1	~1000	PP22-0133-T-000011	Thread	G Thread	G1"	0.15	10~93	1	-10~140	AQUASYSTEM	VSV100	PP22-0133-T-000759	XP2231492AT0017	
276	ET2250	Expansion Tank	Membrane: EPDM-HT	Carbon Steel	water	~1	~1000	PP22-0133-T-000011	Thread	G Thread	G1"	0.15	10~93	1	-10~140	AQUASYSTEM	VSV100	PP22-0133-T-000759	XP2231492AT0017	
277	ET2350	Expansion Tank	Membrane: EPDM-HT	Carbon Steel	water	~1	~1000	PP22-0133-T-000011	Thread	G Thread	G1"	0.15	10~93	1	-10~140	AQUASYSTEM	VSV80	PP22-0133-T-000312	XP2231492AT0016	
278	FV2151	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
279	FV2152	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
280	FV2153	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
281	FV2154	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	2"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-92/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000069	00VC0004479	
282	TCV2157	Temperature Control Valve	Small flow regulation	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.14	121	1	150	Modentic	VB-258B/60°/MDNSII-63/EPR-WN2SL3NTR/FR-10	PP22-0133-T-000388	XP2231492V0004	
283	FV2158	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	2.5"	0.14	121	1	150	Modentic	V-258B/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2	PP22-0133-T-000070	00VC0005451	
284	FV2159	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
285	FV2160	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
286	FV2161	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000068	00VC0004505	
287	FV2162	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
288	FV2163	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000316	00VC0004504	
289	FV2251	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
290	FV2252	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
291	FV2253	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	

292	FV2254	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	2"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-92/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000069	00VC0004479	
293	TCV2257	Temperature Control Valve	Small flow regulation	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.14	121	1	150	Modentic	VB-258B/60°/MDNSII-63/EPR-WN2SL3NTR/FR-10	PP22-0133-T-000388	XP2231492V0004	
294	FV2258	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	2.5"	0.14	121	1	150	Modentic	V-258B/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2	PP22-0133-T-000070	00VC0005451	
295	FV2259	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.1~0.3	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
296	FV2260	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.1~0.3	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
297	FV2261	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000068	00VC0004505	
298	FV2262	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII83/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000349	00VB0002037	
299	FV2263	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000316	00VC0004504	
300	FV2351	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000348	00VB0002038	
301	FV2352	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000348	00VB0002038	
302	FV2353	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000348	00VB0002038	
303	FV2354	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	2"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-92/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000069	00VC0004479	
304	TCV2357	Temperature Control Valve	Small flow regulation	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.14	121	1	150	Modentic	VB-258B/60°/MDNSII-63/EPR-WN2SL3NTR/FR-10	PP22-0133-T-000388	XP2231492V0004	
305	FV2358	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	2"	0.14	121	1	150	Modentic	V-258B/MDNSII-92/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000069	00VC0004479	
306	FV2359	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.1~0.3	32/42	1	150	Modentic	VF-765-150/MDNSII75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000348	00VB0002038	
307	FV2360	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.1~0.3	32/42	1	150	Modentic	VF-765-150/MDNSII75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000348	00VB0002038	
308	FV2361	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000068	00VC0004505	
309	FV2362	Pneumatic Butterfly valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.5	32/42	1	150	Modentic	VF-765-150/MDNSII75/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000348	00VB0002038	
310	FV2363	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWR	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000316	00VC0004504	

311	HEX2150	Plate Heat Exchanger	Heat transfer area: 2.06m ² , No. of plates: 16	Alloy316/EPD MP ClipGrip™	Plant Steam	0.014	~2.67	PP22-0133-T-000011	NPS	ASME B16.5 NPS2 class 150lb	2"	0.5	32/42	0.8	70	Alfa Laval	T6-PFG	PP22-0133-T-000381	XP2231492AI0002	
312	HEX2151	Plate Heat Exchanger	Heat transfer area: 13.5m ² No. of plates: 92	Alloy316/EPD MC	PCWS	0.89	997	PP22-0133-T-000011	NPS	ASME B16.5 NPS2 class 150lb	2"	0.5	32/42	0.8	70	Alfa Laval	T6-BFG	PP22-0133-T-000384	XP2231492AI0015	
313	HEX2250	Plate Heat Exchanger	Heat transfer area: 2.06m ² , No. of plates: 16	Alloy316/EPD MP ClipGrip™	Plant Steam	0.014	~2.67	PP22-0133-T-000011	NPS	ASME B16.5 NPS2 class 150lb	2"	0.5	32/42	0.8	70	Alfa Laval	T6-PFG	PP22-0133-T-000381	XP2231492AI0002	
314	HEX2251	Plate Heat Exchanger	Heat transfer area: 12.9m ² No. of plates: 88	Alloy316/EPD MC	PCWS	0.89	997	PP22-0133-T-000011	NPS	ASME B16.5 NPS2 class 150lb	2"	0.5	32/42	0.8	70	Alfa Laval	T6-BFG	PP22-0133-T-000383	XP2231492AI0014	
315	HEX2350	Plate Heat Exchanger	Heat transfer area: 1.76m ² , No. of plates: 14	Alloy316/EPD MP ClipGrip™	Plant Steam	0.014	~2.67	PP22-0133-T-000011	NPS	ASME B16.5 NPS2 class 150lb	2"	0.5	32/42	0.8	70	Alfa Laval	T6-PFG	PP22-0133-T-000380	XP2231492AI0001	
316	HEX2351	Plate Heat Exchanger	Heat transfer area: 7.5m ² No. of plates: 52	Alloy316/EPD MC	PCWS	0.89	997	PP22-0133-T-000011	NPS	ASME B16.5 NPS2 class 150lb	2"	0.5	32/42	0.8	70	Alfa Laval	T6-BFG	PP22-0133-T-000382	XP2231492AI0003	
317	MV2152	Manual Ball Valve	ON/OFF	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000071	00VC0004169	
318	MV2153	Manual Ball Valve	ON/OFF	CF8	PSC	0.16	896	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	~0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
319	MV2154	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
320	MV2156	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
321	MV2157	Manual Butterfly Valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	3"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000347	00VB0001278	
322	MV2158	Manual Ball Valve	ON/OFF	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	2.5"	0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000076	00VC0003777	
323	MV2252	Manual Ball Valve	ON/OFF	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000071	00VC0004169	
324	MV2253	Manual Ball Valve	ON/OFF	CF8	PSC	0.16	896	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	~0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
325	MV2254	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
326	MV2256	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
327	MV2257	Manual Butterfly Valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	3"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000347	00VB0001278	
328	MV2258	Manual Ball Valve	ON/OFF	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	2.5"	0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000076	00VC0003777	
329	MV2352	Manual Ball Valve	ON/OFF	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	1/2"	0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000071	00VC0004169	
330	MV2353	Manual Ball Valve	ON/OFF	CF8	PSC	0.16	896	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	~0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
331	MV2354	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
332	MV2356	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
333	MV2357	Manual Butterfly Valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	2.5"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000323	00VB0001688	
334	MV2358	Manual Ball Valve	ON/OFF	CF8	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Butt Weld	ASME B36.19	2"	0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000075	00VC0001649	
335	PSV2150	Pressure Safety Valve	Set Pressure: 3.6barg Flow: 23.856 m³/h	CF8M	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	1.5"-3"	0.5	32/42	0.03-41.4	217	Leser	5260.0292	PP22-0133-T-000107	00VH0000622	
336	PSV2151	Pressure Safety Valve	Set Pressure: 3.6barg Flow: 23.856 m³/h	CF8M	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	1.5"-3"	0.5	32/42	0.03-41.4	217	Leser	5260.0292	PP22-0133-T-000107	00VH0000622	
337	PSV2250	Pressure Safety Valve	Set Pressure: 3.6barg Flow: 23.16 m³/h	CF8M	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	1.5"-3"	0.5	32/42	0.03-41.4	217	Leser	5260.0222	PP22-0133-T-000106	00VH0000621	
338	PSV2251	Pressure Safety Valve	Set Pressure: 3.6barg Flow: 23.16 m³/h	CF8M	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	1.5"-3"	0.5	32/42	0.03-41.4	217	Leser	5260.0222	PP22-0133-T-000106	00VH0000621	
339	PSV2350	Pressure Safety Valve	Set Pressure: 3.6barg Flow: 19.32 m³/h	CF8M	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	1.5"-3"	0.5	32/42	0.03-41.4	217	Leser	5260.0222	PP22-0133-T-000106	00VH0000621	
340	PSV2351	Pressure Safety Valve	Set Pressure: 3.6barg Flow: 19.32 m³/h	CF8M	PCWR	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	1.5"-3"	0.5	32/42	0.03-41.4	217	Leser	5260.0222	PP22-0133-T-000106	00VH0000621	
341	PU2150	Centrifugal Pump	(NPSH)r: 2.5m Power: 4kW Rotary speed:2917 r/min	304 SS	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 300 lb	2"	0.5	32/42	0.8	70	Grundfos	CRI 20-3 F-FGJ-A-E-HQQE	PP22-0133-T-000088	XP2231492AA0001	
342	PU2250	Centrifugal Pump	(NPSH)r: 2.5m Power: 4kW Rotary speed:2917 r/min	304 SS	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 300 lb	2"	0.5	32/42	0.8	70	Grundfos	CRI 20-3 F-FGJ-A-E-HQQE	PP22-0133-T-000088	XP2231492AA0001	
343	PU2350	Centrifugal Pump	(NPSH)r: 2.1m Power: 3kW Rotary speed:2900-2920 r/min	304 SS	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 300 lb	2"	0.5	32/42	0.8	70	Grundfos	CRI 15-3 F-FGJ-A-E-HQQE	PP22-0133-T-000089	XP2231492AA0002	
344	ST2150	Steam Trap	200kg/h, ΔP=0.4barg	1.4305	DR	~1	~1000	PP22-0133-T-000011	Thread	BSPP	1/2"	ATM	20~95	2.3	300	Spirax sacro	MST21H(NTS)	PP22-0133-T-000119	00VJ0000391	

345	ST2151	Float Trap	750kg/h,ΔP=0.4barg	304 SS	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Thread	BSPP	1"	0.14	121	2.5	300	Spirax sacro	FTGS14HC-4.5(R-L)	PP22-0133-T-000118	00VJ0000453	
346	ST2250	Steam Trap	200kg/h, ΔP=0.4barg	1.4305	DR	~1	~1000	PP22-0133-T-000011	Thread	BSPP	1/2"	ATM	20~95	2.3	300	Spirax sacro	MST21H(NTS)	PP22-0133-T-000119	00VJ0000391	
347	ST2251	Float Trap	750kg/h,ΔP=0.4barg	304 SS	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Thread	BSPP	1"	0.14	121	2.5	300	Spirax sacro	FTGS14HC-4.5(R-L)	PP22-0133-T-000118	00VJ0000453	
348	ST2350	Steam Trap	200kg/h, ΔP=0.4barg	1.4305	DR	~1	~1000	PP22-0133-T-000011	Thread	BSPP	1/2"	ATM	20~95	2.3	300	Spirax sacro	MST21H(NTS)	PP22-0133-T-000119	00VJ0000391	
349	ST2351	Float Trap	750kg/h,ΔP=0.4barg	304 SS	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Thread	BSPP	1"	0.14	121	2.5	300	Spirax sacro	FTGS14HC-4.5(R-L)	PP22-0133-T-000118	00VJ0000453	
350	STR2151	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000412	00VM0000881	
351	STR2251	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	3"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000412	00VM0000881	
352	STR2351	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B36.19	2.5"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000409	00VM0001015	
353	TCV2150	Temperature Control Valve	CV:47 Eff Area: 240 cm ²	CF8M	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Flange	ASME B16.5 RF #150	2"	0.14	121	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000103	00VQ0001094	
354	TCV2151	Temperature Control Valve	CV:95 Eff Area: 350 cm ²	CF8M	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 RF #150	3"	0.5	32/42	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000108	00VQ0000658	
355	TCV2250	Temperature Control Valve	CV:47 Eff Area: 240 cm ²	CF8M	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Flange	ASME B16.5 RF #150	2"	0.14	121	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000103	00VQ0001094	
356	TCV2251	Temperature Control Valve	CV:95 Eff Area: 350 cm ²	CF8M	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 RF #150	3"	0.5	32/42	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000108	00VQ0000658	
357	TCV2350	Temperature Control Valve	CV:30 Eff Area: 240cm ²	CF8M	Plant Steam	0.014	~2.67	PP22-0133-T-000011	Flange	ASME B16.5 RF #150	1.5"	0.14	121	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000102	00VQ0001093	
358	TCV2351	Temperature Control Valve	CV:70 Eff Area: 350 cm ²	CF8M	PCWS	0.89	997	PP22-0133-T-000011	Flange	ASME B16.5 RF #150	2.5"	0.5	32/42	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000104	00VQ0000522	
359	VE2150	Exhaust Valve	Exhaust	CF3M	PCWR	0.89	1000	PP22-0133-T-000011	Thread	NPT	1/2"	0.5	32/42	1	150	Spirax sacro	AE36	PP22-0133-T-000572	00V20000046	
360	VE2250	Exhaust Valve	Exhaust	CF3M	PCWR	0.89	1000	PP22-0133-T-000011	Thread	NPT	1/2"	0.5	32/42	1	150	Spirax sacro	AE36	PP22-0133-T-000572	00V20000046	
361	VE2350	Exhaust Valve	Exhaust	CF3M	PCWR	0.89	1000	PP22-0133-T-000011	Thread	NPT	1/2"	0.5	32/42	1	150	Spirax sacro	AE36	PP22-0133-T-000572	00V20000046	
362	MV2159	Manual Ball Valve	ON/OFF	CF8	PSC	0.16	896	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	~0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
363	MV2259	Manual Ball Valve	ON/OFF	CF8	PSC	0.16	896	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	~0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
364	MV2359	Manual Ball Valve	ON/OFF	CF8	PSC	0.16	896	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	~0.14	121	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
365	MV2160	Manual Ball Valve	ON/OFF	CF8	DR	~1	~1000	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	ATM	20~95	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
366	MV2260	Manual Ball Valve	ON/OFF	CF8	DR	~1	~1000	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	ATM	20~95	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
367	MV2360	Manual Ball Valve	ON/OFF	CF8	DR	~1	~1000	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	ATM	20~95	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
368	CV1152	Check Valve	Swing type	CF8	PSC	0.16	896	PP22-0133-T-000011	Flange	ASME B16.5 150#	1"	~0.14	121	2	180	Modentic	SF-150	PP22-0133-T-000758	00VD0000817	
369	CV1252	Check Valve	Swing type	CF8	PSC	0.16	896	PP22-0133-T-000011	Flange	ASME B16.5 150#	1"	~0.14	121	2	180	Modentic	SF-150	PP22-0133-T-000758	00VD0000817	
370	CV1352	Check Valve	Swing type	CF8	PSC	0.16	896	PP22-0133-T-000011	Flange	ASME B16.5 150#	1"	~0.14	121	2	180	Modentic	SF-150	PP22-0133-T-000758	00VD0000817	
371	MV2161	Manual Ball Valve	ON/OFF	CF8	PCWS	0.90	998	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
372	MV2261	Manual Ball Valve	ON/OFF	CF8	PCWS	0.90	998	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
373	MV2361	Manual Ball Valve	ON/OFF	CF8	PCWS	0.90	998	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
374	MV2162	Manual Butterfly valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	3"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000347	00VB0001278	
375	MV2163	Manual Butterfly valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	3"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000347	00VB0001278	
376	MV2262	Manual Butterfly valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	3"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000347	00VB0001278	
377	MV2263	Manual Butterfly valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	3"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000347	00VB0001278	
378	MV2362	Manual Butterfly valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	2.5"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000323	00VB0001688	
379	MV2363	Manual Butterfly valve	N/A	CF8	PCWS	0.89	997	PP22-0133-T-000011	Wafer Flange	ASME B36.19	2.5"	0.5	32/42	1	80	Modentic	VF-765-I	PP22-0133-T-000323	00VB0001688	
380	MV2164	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
381	MV2264	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
382	MV2364	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000011	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
383	FV2801	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	City water	0.47	983	PP22-0133-T-000012	Butt Weld	ASME BPE	2"	0.5	50/60	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	

384	FV2802	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	City water	0.47	983	PP22-0133-T-000012	Butt Weld	ASME BPE	2"	0.5	50/60	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
385	FV2803	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	City water	0.47	983	PP22-0133-T-000012	Butt Weld	ASME BPE	2"	0.5	50/60	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
386	MV2801	Manual Ball Valve	ON/OFF	CF8	Cooling water	~2.67	0.014	PP22-0133-T-000012	Butt Weld	ASME B36.19	2"	0.14/0.4	~152	1	150	Modentic	V-205B	PP22-0133-T-000075	00VC0001649	
387	MV2803	Manual Ball Valve	ON/OFF	CF3M	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000012	Butt Weld	ASME BPE	3/4"	0.14	121	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
388	MV2804-FV2804	Block Valve	Failure position:NC	316L	PW	1	1000	PP22-0133-T-000012	Butt Weld	ASME BPE	2"-2"-2"-0.5"	0.2~0.6	20±2	1	150	GEMU	M600 04-02.U5 F1(MG40/MG10,5059/5059/5059 1559,1507) 9687 50Z 1 J/N 9612 10D 0 1TS 600 50M5M 600 10M54 1232000ZA103051110304+03 24 2M147441C1010210	PP22-0133-T-000551	XP2231492V0003	
389	MV2805-FV2805	Block Valve	Failure position:NC	316L	PW	1	1000	PP22-0133-T-000012	Butt Weld	ASME BPE	2"-2"-2"-0.5"	0.2~0.6	20±2	1	150	GEMU	M600 04-02.U5 F1(MG40/MG10,5059/5059/5059 1559,1507) 9687 50Z 1 J/N 9612 10D 0 1TS 600 50M5M 600 10M54 1232000ZA103051110304+03 24 2M147441C1010210	PP22-0133-T-000551	XP2231492V0003	
390	MV2806-FV2806	Block Valve	Failure position:NC	316L	PW	1	1000	PP22-0133-T-000012	Butt Weld	ASME BPE	2"-2"-2"-0.5"	0.2~0.6	20±2	1	150	GEMU	M600 04-02.U5 F1(MG40/MG10,5059/5059/5059 1559,1507) 9687 50Z 1 J/N 9612 10D 0 1TS 600 50M5M 600 10M54 1232000ZA103051110304+03 24 2M147441C1010210	PP22-0133-T-000551	XP2231492V0003	
391	MV2807-FV2807	Block Valve	Failure position:NC	316L	HPW	1	1000	PP22-0133-T-000012	Butt Weld	ASME BPE	2"-2"-2"-0.5"	0.2~0.6	85-95	1	150	GEMU	M600 04-02.U5 F1(MG40/MG10,5059/5059/5059 1559,1507) 9687 50Z 1 J/N 9612 10D 0 1TS 600 50M5M 600 10M54 1232000ZA103051110304+03 24 2M147441C1010210	PP22-0133-T-000551	XP2231492V0003	
392	MV2808-FV2808	Block Valve	Failure position:NC	316L	HPW	1	1000	PP22-0133-T-000012	Butt Weld	ASME BPE	2"-2"-2"-0.5"	0.2~0.6	85-95	1	150	GEMU	M600 04-02.U5 F1(MG40/MG10,5059/5059/5059 1559,1507) 9687 50Z 1 J/N 9612 10D 0 1TS 600 50M5M 600 10M54 1232000ZA103051110304+03 24 2M147441C1010210	PP22-0133-T-000551	XP2231492V0003	
393	MV2809-FV2809	Block Valve	Failure position:NC	316L	HPW	1	1000	PP22-0133-T-000012	Butt Weld	ASME BPE	2"-2"-2"-0.5"	0.2~0.6	85-95	1	150	GEMU	M600 04-02.U5 F1(MG40/MG10,5059/5059/5059 1559,1507) 9687 50Z 1 J/N 9612 10D 0 1TS 600 50M5M 600 10M54 1232000ZA103051110304+03 24 2M147441C1010210	PP22-0133-T-000551	XP2231492V0003	
394	ST2802	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000012	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
395	EV2810	ON/OFF Valve	ON/OFF	Die-cast aluminium	IA	0.019	2.68	PP22-0133-T-000012	Female Thread	G Thread	1"	1.4	40	16	60	FESTO	HEE-D-MAXI-24	PP22-0133-T-000570	00INA0000146	
396	EV2811	ON/OFF Valve	ON/OFF	Die-cast aluminium	IA	0.019	2.68	PP22-0133-T-000012	Female Thread	G Thread	1"	1.4	40	16	60	FESTO	HEE-D-MAXI-24	PP22-0133-T-000570	00INA0000146	
397	EV2812	ON/OFF Valve	ON/OFF	Die-cast aluminium	IA	0.019	2.68	PP22-0133-T-000012	Female Thread	G Thread	1"	1.4	40	16	60	FESTO	HEE-D-MAXI-24	PP22-0133-T-000570	00INA0000146	
398	EV2813	ON/OFF Valve	ON/OFF	Die-cast aluminium	IA	0.019	2.68	PP22-0133-T-000012	Female Thread	G Thread	1"	1.4	40	16	60	FESTO	HEE-D-MAXI-24	PP22-0133-T-000570	00INA0000146	
399	EV2814	ON/OFF Valve	ON/OFF	Die-cast aluminium	IA	0.019	2.68	PP22-0133-T-000012	Female Thread	G Thread	1"	1.4	40	16	60	FESTO	HEE-D-MAXI-24	PP22-0133-T-000570	00INA0000146	
400	MV2810	Manual Ball Valve	ON/OFF	CF3M	IA	0.019	2.68/8.9	PP22-0133-T-000012	Butt Weld	ASME BPE	1"	0.14/0.6	40	1	150	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
401	MV2811	Manual Ball Valve	ON/OFF	CF3M	IA	0.019	2.68/8.9	PP22-0133-T-000012	Butt Weld	ASME BPE	1"	0.14/0.6	40	1	150	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
402	MV2812	Manual Ball Valve	ON/OFF	CF3M	IA	0.019	2.68/8.9	PP22-0133-T-000012	Butt Weld	ASME BPE	1"	0.14/0.6	40	1	150	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
403	MV2813	Manual Ball Valve	ON/OFF	CF3M	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000012	Butt Weld	ASME BPE	3/4"	0.14	121	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
404	ST2803	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000012	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
405	CV2701	Check Valve	Cone	CPVC	C	TBD	TBD	PP22-0133-T-000014	Thread	NPTF	1"	0.2~0.4	AMB	1	120	GF	163 561 114	PP22-0133-T-000606	00VD0001375	
406	CV2801	Check Valve	Cone	CPVC	C	TBD	TBD	PP22-0133-T-000014	Thread	NPTF	1"	0.2~0.4	AMB	1	120	GF	163 561 114	PP22-0133-T-000606	00VD0001375	
407	CV2901	Check Valve	Cone	CPVC	C	TBD	TBD	PP22-0133-T-000014	Thread	NPTF	1"	0.2~0.4	AMB	1	120	GF	163 561 114	PP22-0133-T-000606	00VD0001375	

408	FV2819	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
409	FV2820	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
410	FV2821	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
411	FV2837	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	VC	0.01	1.29	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	-1	20~40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
412	FV2838	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	VC	0.01	1.29	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	-1	20~40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
413	FV2839	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	VC	0.01	1.29	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	-1	20~40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
414	FV2840	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	1/2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000559	00VC0005337	
415	FV2841	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	1/2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000559	00VC0005337	
416	FV2842	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	1/2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000559	00VC0005337	
417	FV2843	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPR	1	1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
418	FV2844	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPR	1	1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
419	FV2845	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPR	1	1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
420	FV2846	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	Exhaust gas	0.021	1.09	PP22-0133-T-000014	Butt Weld	ASME B36.19	3"	0.01	~99	1	150	Modentic	V-258B/MDNSII-125/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000556	00VC0005335	
421	FV2850	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPR	1	1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
422	FV2851	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPR	1	1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
423	FV2852	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	CIPR	1	1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	0.2~0.8	60~80	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
424	FV2853	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	VC	0.01	1.29	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	-1	20~40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
425	FV2854	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	VC	0.01	1.29	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	-1	20~40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
426	FV2855	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	VC	0.01	1.29	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	-1	20~40	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
427	FV2856	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	Exhaust gas	0.021	1.09	PP22-0133-T-000014	Butt Weld	ASME B36.19	3"	0.01	~99	1	150	Modentic	V-258B/MDNSII-125/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000556	00VC0005335	
428	FV2857	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000014	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000068	00VC0004505	
429	FV2859	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
430	FV2860	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
431	FV2861	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	1	135	NEUMO	360258582/2	PP22-0133-T-000028	00VB0002071	
432	FV2862	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	1/2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000559	00VC0005337	
433	FV2863	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	1/2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000559	00VC0005337	
434	FV2864	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	1/2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-52/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000559	00VC0005337	
435	FV2865	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
436	FV2866	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
437	FV2867	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	

438	FV2868	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
439	FV2869	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
440	FV2870	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	DR	~1	~1000	PP22-0133-T-000014	Butt Weld	ASME BPE	2"	ATM	20~95	2	180	Modentic	V-A58EB/MDNSII-105/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000563	00VC0005165	
441	MV2727	Manual Diaphragm Valve	ON/OFF	1.4435 Casting	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	0.6	150	GEMU	673 25D 59 C3 5M 0 2TS 1507(S1=S2=10)	PP22-0133-T-000553	00VA0001678	
442	MV2728	Manual Ball Valve	ON/OFF	CF3M	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
443	MV2729	Manual Ball Valve	ON/OFF	CF3M	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
444	MV2825	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000014	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
445	MV2826	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000014	Butt Weld	ASME B36.19	1"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000072	00VC0004173	
446	MV2827	Manual Diaphragm Valve	ON/OFF	1.4435 Casting	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	0.6	150	GEMU	673 25D 59 C3 5M 0 2TS 1507(S1=S2=10)	PP22-0133-T-000553	00VA0001678	
447	MV2828	Manual Ball Valve	ON/OFF	CF3M	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
448	MV2829	Manual Ball Valve	ON/OFF	CF3M	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
449	MV2927	Manual Diaphragm Valve	ON/OFF	1.4435 Casting	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	0.6	150	GEMU	673 25D 59 C3 5M 0 2TS 1507(S1=S2=10)	PP22-0133-T-000553	00VA0001678	
450	MV2928	Manual Ball Valve	ON/OFF	CF3M	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
451	MV2929	Manual Ball Valve	ON/OFF	CF3M	C	TBD	TBD	PP22-0133-T-000014	Butt Weld	ASME BPE	1"	0.2~0.4	AMB	2	180	Modentic	V-A58EB	PP22-0133-T-000568	00VC0005172	
452	PCV2801	Pressure Control Valve	CV:20 Eff Area: 240cm ²	CF8M	VG1	0.021	1.09	PP22-0133-T-000014	Flange	ASME B16.5 RF #150	1.5"	0.01	~99	1	220	Samson	3241-1+3271+3725	PP22-0133-T-000101	00VQ0000165	
453	PU2702	Electric Diaphragm Pump	Power: 0.85kW	316 SS	C	TBD	TBD	PP22-0133-T-000014	Tri-clamp	ASME BPE	1.5"	0.2~0.4	AMB	1	99	GRACO	HE30-0065	PP22-0133-T-000427	XP2231492AU0001	
454	PU2801	Liquid Ring Vacuum Pump	Power: 15kW Rotary speed: 1465rpm	1.4408	VC	0.01	1.29	PP22-0133-T-000014	G	DIN 2501 PN10	2.5"	-0.9	20~40	-0.1~1	150	SIHI	LPHC 65320 BN XAE 4B 0	PP22-0133-T-000396	XP2231492AJ0002	
455	PU2802	Electric Diaphragm Pump	Power: 0.85kW	316 SS	C	TBD	TBD	PP22-0133-T-000014	Tri-clamp	ASME BPE	1.5"	0.2~0.4	AMB	1	99	GRACO	HE30-0065	PP22-0133-T-000427	XP2231492AU0001	
456	PU2902	Electric Diaphragm Pump	Power: 0.85kW	316 SS	C	TBD	TBD	PP22-0133-T-000014	Tri-clamp	ASME BPE	1.5"	0.2~0.4	AMB	1	99	GRACO	HE30-0065	PP22-0133-T-000427	XP2231492AU0001	
457	ST2807	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000014	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
458	ST2808	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000014	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
459	ST2809	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000014	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
460	ST2810	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000014	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
461	ST2811	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000014	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
462	ST2812	Steam Trap	130kg/h, ΔP=1barg	316L	DR	~1	~1000	PP22-0133-T-000014	Tri-clamp	ASME BPE	1/2"	ATM	20~95	0.7	170	Spirax sacro	BTM7	PP22-0133-T-000121	00VJ0000018	
463	STR2801	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000014	Flange	ASME B36.19	1"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000599	00VM0000466	
464	TK2801	Dust Trap	Volume :16.8L	316L	CIP/VC	1	1000	PP22-0133-T-000014	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Local	N/A	PP22-0133-T-000394	XP2231492AT0005	
465	TK2802	Dust Trap	Volume :16.8L	316L	CIP/VC	1	1000	PP22-0133-T-000014	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Local	N/A	PP22-0133-T-000394	XP2231492AT0005	
466	TK2803	Dust Trap	Volume :16.8L	316L	CIP/VC	1	1000	PP22-0133-T-000014	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Local	N/A	PP22-0133-T-000394	XP2231492AT0005	
467	TK2804	Dust Trap	Volume :16.8L	316L	CIP/VC	1	1000	PP22-0133-T-000014	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Local	N/A	PP22-0133-T-000394	XP2231492AT0005	
468	TK2805	Dust Trap	Volume :16.8L	316L	CIP/VC	1	1000	PP22-0133-T-000014	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Local	N/A	PP22-0133-T-000394	XP2231492AT0005	
469	TK2806	Dust Trap	Volume :16.8L	316L	CIP/VC	1	1000	PP22-0133-T-000014	N/A	N/A	N/A	-0.09~0.14	20~126	-0.1/0.2	150	Local	N/A	PP22-0133-T-000394	XP2231492AT0005	
470	FH2702	Flexible Hose	length:1000mm	316L	C	TBD	TBD	PP22-0133-T-000014	Tri-clamp	ASME BPE	1"	0.2~0.4	AMB	-0.09~1	-40~200	Pharmflex [®]	16SS4044040-1000-0	PP22-0133-T-002207	00JAN0000752	
471	FH2802	Flexible Hose	length:1000mm	316L	C	TBD	TBD	PP22-0133-T-000014	Tri-clamp	ASME BPE	1"	0.2~0.4	AMB	-0.09~1	-40~200	Pharmflex [®]	16SS4044040-1000-0	PP22-0133-T-002207	00JAN0000752	
472	FH2902	Flexible Hose	length:1000mm	316L	C	TBD	TBD	PP22-0133-T-000014	Tri-clamp	ASME BPE	1"	0.2~0.4	AMB	-0.09~1	-40~200	Pharmflex [®]	16SS4044040-1000-0	PP22-0133-T-002207	00JAN0000752	

473	CV2401	Check Valve	Swing type	CF8	PCWR	0.89	997	PP22-0133-T-000015	Flange	ASME B16.5 150#	3/4"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000618	00VD0001118	
474	CV2402	Check Valve	Spring Type	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Tri-clamp	ASME BPE	3/4"	0.14/0.6	40	1	150	NEUMO	45C-6-0.75-E	PP22-0133-T-000584	00VD0001170	
475	CV2501	Check Valve	Swing type	CF8	PCWR	0.89	997	PP22-0133-T-000015	Flange	ASME B16.5 150#	3/4"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000618	00VD0001118	
476	CV2502	Check Valve	Spring Type	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Tri-clamp	ASME BPE	3/4"	0.14/0.6	40	1	150	NEUMO	45C-6-0.75-E	PP22-0133-T-000584	00VD0001170	
477	CV2601	Check Valve	Swing type	CF8	PCWR	0.89	997	PP22-0133-T-000015	Flange	ASME B16.5 150#	3/4"	0.5	32/42	2	180	Modentic	SF-150	PP22-0133-T-000618	00VD0001118	
478	CV2602	Check Valve	Spring Type	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Tri-clamp	ASME BPE	3/4"	0.14/0.6	40	1	150	NEUMO	45C-6-0.75-E	PP22-0133-T-000584	00VD0001170	
479	FV2401	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000015	Butt Weld	ASME B36.19	3/4"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000554	00VC0005334	
480	FV2402	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.14/0.6	40	2	180	Modentic	V-A58EB/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000560	00VC0005160	
481	FV2501	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000015	Butt Weld	ASME B36.19	3/4"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000554	00VC0005334	
482	FV2502	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.14/0.6	40	2	180	Modentic	V-A58EB/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000560	00VC0005160	
483	FV2601	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF8	PCWS	0.89	997	PP22-0133-T-000015	Butt Weld	ASME B36.19	3/4"	0.5	32/42	1	150	Modentic	V-258B/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000554	00VC0005334	
484	FV2602	Pneumatic Ball Valve	Failure Position:NC Double Feedback	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.14/0.6	40	2	180	Modentic	V-A58EB/MDNSII-63/EV61-531MB1-24V/LSM-200-M2-2-G1/2"	PP22-0133-T-000560	00VC0005160	
485	MV2401	Manual Ball Valve	ON/OFF	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.14/0.6	40	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
486	MV2402	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
487	MV2403	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
488	MV2404	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
489	MV2405	Manual Ball Valve	ON/OFF	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	1/2"	0.14/0.6	40	2	180	Modentic	V-A58EB	PP22-0133-T-000566	00VC0005173	
490	MV2406	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000015	Butt Weld	ASME B36.19	3/4"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000557	00VC0004170	
491	MV2407	Manual Ball Valve	ON/OFF	CF3M	DR	~1	~1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
492	MV2408	Manual Ball Valve	ON/OFF	CF3M	DR	~1	~1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
493	MV2501	Manual Ball Valve	ON/OFF	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.14/0.6	40	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
494	MV2502	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
495	MV2503	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
496	MV2504	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
497	MV2505	Manual Ball Valve	ON/OFF	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	1/2"	0.14/0.6	40	2	180	Modentic	V-A58EB	PP22-0133-T-000566	00VC0005173	
498	MV2506	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000015	Butt Weld	ASME B36.19	3/4"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000557	00VC0004170	
499	MV2507	Manual Ball Valve	ON/OFF	CF3M	DR	~1	~1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
500	MV2508	Manual Ball Valve	ON/OFF	CF3M	DR	~1	~1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
501	MV2601	Manual Ball Valve	ON/OFF	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.14/0.6	40	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
502	MV2602	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
503	MV2603	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
504	MV2604	Manual Ball Valve	ON/OFF	CF3M	PW	1	1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	0.2~0.6	20±2	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
505	MV2605	Manual Ball Valve	ON/OFF	CF3M	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Butt Weld	ASME BPE	1/2"	0.14/0.6	40	2	180	Modentic	V-A58EB	PP22-0133-T-000566	00VC0005173	
506	MV2606	Manual Ball Valve	ON/OFF	CF8	PCWS	0.89	997	PP22-0133-T-000015	Butt Weld	ASME B36.19	3/4"	0.5	32/42	1	150	Modentic	V-205B	PP22-0133-T-000557	00VC0004170	
507	MV2607	Manual Ball Valve	ON/OFF	CF3M	DR	~1	~1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
508	MV2608	Manual Ball Valve	ON/OFF	CF3M	DR	~1	~1000	PP22-0133-T-000015	Butt Weld	ASME BPE	3/4"	ATM	20~95	2	180	Modentic	V-A58EB	PP22-0133-T-000567	00VC0005166	
509	PRV2401	Pressure Reduce Valve	Set Point: 0.3barg	Aluminium	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Female Thread	G Thread	1/4"	0.14/0.6	40	0.1-1.2	-10-60	Festo	LRP-1/4-2,5	PP22-0133-T-000622	XP2231492AT0020	

510	PRV2501	Pressure Reduce Valve	Set Point: 0.3barg	Aluminium	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Female Thread	G Thread	1/4"	0.14/0.6	40	0.1-1.2	-10-60	Festo	LRP-1/4-2,5	PP22-0133-T-000622	XP2231492AT0020	
511	PRV2601	Pressure Reduce Valve	Set Point: 0.3barg	Aluminium	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Female Thread	G Thread	1/4"	0.14/0.6	40	0.1-1.2	-10-60	Festo	LRP-1/4-2,5	PP22-0133-T-000622	XP2231492AT0020	
512	PSV2401	Pressure Safety Valve	Set Pressure: 2.4barg Flow: 133Nm3/h	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Tri-clamp	ASME BPE	1"-1.5"	0.14/0.6	40	1.6	180	Leser	4834.7702	PP22-0133-T-000332	00VH0000624	
513	PSV2501	Pressure Safety Valve	Set Pressure: 2.4barg Flow: 133Nm3/h	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Tri-clamp	ASME BPE	1"-1.5"	0.14/0.6	40	1.6	180	Leser	4834.7702	PP22-0133-T-000332	00VH0000624	
514	PSV2601	Pressure Safety Valve	Set Pressure: 2.4barg Flow: 133Nm3/h	316L	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Tri-clamp	ASME BPE	1"-1.5"	0.14/0.6	40	1.6	180	Leser	4834.7702	PP22-0133-T-000332	00VH0000624	
515	PU2401	Centrifugal Pump	Power: 0.46kW Rotary speed:2850-2880 r/min (NPSH)r: 0.72m	304 SS	PW	1	1000	PP22-0133-T-000015	Female Thread	Rp	3/4"	0.2~0.6	20±2	1	35	Grundfos	CM 1-2 A-R-I-E-AQQE F-A-A-N	PP22-0133-T-000091	XP2231492AA0004	
516	PU2501	Centrifugal Pump	Power: 0.46kW Rotary speed:2850-2880 r/min (NPSH)r: 0.72m	304 SS	PW	1	1000	PP22-0133-T-000015	Female Thread	Rp	3/4"	0.2~0.6	20±2	1	35	Grundfos	CM 1-2 A-R-I-E-AQQE F-A-A-N	PP22-0133-T-000091	XP2231492AA0004	
517	PU2601	Centrifugal Pump	Power: 0.46kW Rotary speed:2850-2880 r/min (NPSH)r: 0.72m	304 SS	PW	1	1000	PP22-0133-T-000015	Female Thread	Rp	3/4"	0.2~0.6	20±2	1	35	Grundfos	CM 1-2 A-R-I-E-AQQE F-A-A-N	PP22-0133-T-000091	XP2231492AA0004	
518	STR2401	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000015	Flange	ASME B36.19	3/4"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000598	00VM0000465	
519	STR2501	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000015	Flange	ASME B36.19	3/4"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000598	00VM0000465	
520	STR2601	Y-Strainer	Precision: 40 mesh	CF8	PCWS	0.89	997	PP22-0133-T-000015	Flange	ASME B36.19	3/4"	0.5	32/42	2	180	Modentic	YF-150-I	PP22-0133-T-000598	00VM0000465	
521	TK2401	Sealing Water Tank	volume:15L	S31603	PW	1	1000	PP22-0133-T-000015	N/A	N/A	N/A	0~0.2	20~55	0.25	90	Fulong	N/A	PP22-0133-T-001982	N/A	
522	TK2501	Sealing Water Tank	volume:15L	S31603	PW	1	1000	PP22-0133-T-000015	N/A	N/A	N/A	0~0.2	20~55	0.25	90	Fulong	N/A	PP22-0133-T-001982	N/A	
523	TK2601	Sealing Water Tank	volume:15L	S31603	PW	1	1000	PP22-0133-T-000015	N/A	N/A	N/A	0~0.2	20~55	0.25	90	Fulong	N/A	PP22-0133-T-001982	N/A	
524	STR2402	Fine Filter	Precision: 0.01µm	die cast zinc	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Female Thread	ASME BPE	1/4"	0.14	40	0.2-1.2	-10-60	FESTO	LFMA-1/4-D-MIDI-A	PP22-0133-T-000625	XP2231492AT0019	
525	STR2502	Fine Filter	Precision: 0.01µm	die cast zinc	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Female Thread	ASME BPE	1/4"	0.14	40	0.2-1.2	-10-60	FESTO	LFMA-1/4-D-MIDI-A	PP22-0133-T-000625	XP2231492AT0019	
526	STR2602	Fine Filter	Precision: 0.01µm	die cast zinc	CCA	0.019	2.68/8.9	PP22-0133-T-000015	Female Thread	ASME BPE	1/4"	0.14	40	0.2-1.2	-10-60	FESTO	LFMA-1/4-D-MIDI-A	PP22-0133-T-000625	XP2231492AT0019	
527	TK2801	Separator	/	304	VG1	0.021	1.09	PP22-0133-T-000014	/	/	/	0.01	~99	0.2	100	SIHI	/	PP22-0133-T-000690	/	
528	CV2303	Check Valve	Spring Type	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Tri-clamp	ASME BPE	1.5"	0.14	121	1	150	NEUMO	45C-6-1.5-E	PP22-0133-T-002165	00VD0001395	
529	CV2203	Check Valve	Spring Type	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.14	121	1	150	NEUMO	45C-6-2-E	PP22-0133-T-002601	00VD0001173	
530	CV2103	Check Valve	Spring Type	316L	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.14	121	1	150	NEUMO	45C-6-2-E	PP22-0133-T-002601	00VD0001173	
531	MV2306	Manual Diaphragm Valve	ON/OFF	1.4435 Casting	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.14	121	0.6	150	GEMU	612 20D 59 C3 54 0 1TS 1507(S1=S2=10)	PP22-0133-T-000046	00VA0001867	
532	MV2206	Manual Diaphragm Valve	ON/OFF	1.4435 Casting	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.14	121	0.6	150	GEMU	612 20D 59 C3 54 0 1TS 1507(S1=S2=10)	PP22-0133-T-000046	00VA0001867	
533	MV2106	Manual Diaphragm Valve	ON/OFF	1.4435 Casting	Clean Steam	0.01~0.1	1.672	PP22-0133-T-000010	Butt Weld	ASME BPE	3/4"	0.14	121	0.6	150	GEMU	612 20D 59 C3 54 0 1TS 1507(S1=S2=10)	PP22-0133-T-000046	00VA0001867	
534	STR2302	L-Filter	Precision: 160 mesh/35mesh	1.4404	FM	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	3"	0.2~0.8	60~80	1	135	NEUMO	B-I-S-O Speical filter L-3" 160mesh/35mesh	PP22-0133-T-002161	XP2231492AT0031	公用
535	STR2202																			
536	STR2102																			
537	F2303	Filter-Housing	Spec: 10"	316L	FM	1	1000	PP22-0133-T-000010	Tri-clamp	ASME BPE	2"	0.2~0.8	60~80	1	135	PALL	SASE031G31HV	PP22-0133-T-002162	XP2231492AT0034	公用
538	F2203																			
539	F2103																			
540	F2303	Filter Cartridge	Spec: 10" three Pore size:0.2um	316L	FM	1	1000	PP22-0133-T-000010	N/A	N/A	10"	0.2~0.8	60~80	1	135	PALL	AB1EKV7PH1	PP22-0133-T-002170	XP2231492AT0031	公用
541	F2203																			

542	F2103																			
543	FV2192	Pneumatic Butterfly Valve	Failure Position:NC Double Feedback	316L	Product	100	1000	PP22-0133-T- 000010	Butt Weld	ASME BPE	3"	0.2~0.8	AMB	1	135	NEUMO	360260582/2	PP22-0133-T-000030	00VB0002073	