

Equipment list of the Akitsu Works [1]

Factory	Feature	Equipment	Material	Size	Number of base	Remarks
F-1, F-2	<ul style="list-style-type: none"> Heat transfer equipment (230°C) Deodorization equipment Distillation equipment Multi-process support 	Reaction vessel	GL	1,000L	1	
			GL	3,000L	12	
			GL	6,000L	1	
			SUS	3,000L	2	
			SUS	5,000L	2	1 autoclave (1MPa)
			PVDF	2,000L	2	
			PVDF	4,000L	2	
		Centrifugal machine	SUS304	42inch	1	
	Hastelloy	42inch	1			
	Scavenger	SUS	-	1		
F-3	<ul style="list-style-type: none"> Ultrapure water Semi-clean room specifications Special drying equipment 	Reaction vessel	GL	3,000L	2	
			GL	6,000L	1	
		Centrifugal machine	PFA	42inch	1	
F-5	<ul style="list-style-type: none"> Low temperature reaction (-10°C <) H₂S/mercaptan gas Full range of scrubbers Multi-process support 	Reaction vessel	GL	1,000L	3	
			GL	3,000L	6	
			GL	6,000L	2	
			SUS	500L	2	1 autoclave (1MPa)
			SUS	3,000L	1	
		Filter	GL	1.5 m ³	1	
		Centrifugal machine	SUS304	42inch	1	
	Hastelloy	42inch	1			
F-6	<ul style="list-style-type: none"> Ultrapure water MCF 	Reaction vessel	GL	3,000L	3	
			GL	6,000L	2	
		Filter	GL	1.5 m ³	1	
		Centrifugal machine	SUS	42inch	1	
F-7	<ul style="list-style-type: none"> Ultrapure water MCF Large-scale solid-liquid separation Special drying equipment 	Reaction vessel	GL	3,000L	5	
			GL	6,000L	2	
		Filter	GL	1.0 m ³	1	
			GL	1.5 m ³	1	
		Filter dryer	PTFE / Ti	2.5 m ³	1	
Centrifugal machine	SUS316L	42inch	1			
F-8	<ul style="list-style-type: none"> High pressure reaction Large volume reaction High temperature reaction 	Reaction vessel	SUS	6,000L	2	2 autoclave (1MPa)
			GL	3,000L	2	
			GL	6,000L	1	
			GL	8,000L	2	
		Filter	GL	1.0 m ³	1	
F-10	<ul style="list-style-type: none"> Large volume reaction Distillation vessel Solid-liquid separation equipment 	Reaction vessel	SUS	1,500L	1	High vacuum resistant
			SUS	7,000L	1	
			SUS	8,000L	1	
			SUS	10,000L	1	
			GL	3,000L	1	
			GL	6,000L	1	
		Centrifugal machine	SUS	42inch	1	Top drain type
			SUS	48inch	1	Bottoming out

Equipment list of the Akitsu Works [2]

Factory	Feature	Equipment	Material	Size	Number of base	Remarks
F-11	<ul style="list-style-type: none"> DCS control Ultrapure water MCF Large-scale solid-liquid separation Clean room (Class 100,000) Special drying equipment 	Reaction vessel	GL	3,000L	2	
			GL	6,000L	5	
		Filter	ETFE	0.5 m ²	1	
			ETFE	1.0 m ²	1	
		Filter dryer	PTFE / Ti	2.5 m ²	2	
		Centrifugal machine	SUS316	42inch	1	

P-1	<ul style="list-style-type: none"> Ultrapure water Clean room High pressure reaction High temperature reaction Teflon kettles Distillation column 	Reaction vessel	GL	50L	2	
			GL	200L	1	
			GL	500L	4	1 autoclave (1MPa)
			SUS	500L	1	
			PFA	500L	1	
			Filter	GL	0.5 m ²	2
		PFA	0.2 m ²	1		