

Equipment list of the Fukuchiyama Works

Factory	Feature	Equipment	Material	Size	Number of base	Remarks
S-2	GMP ・Column ・High pressure reaction ・Large volume reaction	Reaction vessel	GL	50/100/150/300L	5	1 unit each of 50-150L, 300Lx2 units
			SUS	500L	1	
			GL	600L	1	
			GL	1,500L	4	
			SUS	3,000L	1	Combustible gas treatment possible (2 units)
			GL	5,000L	2	1 autoclave (1MPa)
			GL	10,000L	2	
		Column	SUS	200L	2	
		Rotary evaporator	Glass	50L	1	For chromatographic preparations
		Filter Press	SUS	705L	1	
		Centrifugal machine	SUS	30inch	7	30inch x 4
			SUS	40inch		40inch x 1
			SUS	48inch		48inch x 2
		Pressurized filter	GL	800mmΦ	1	movable type
Filtration and drying machine	GL	1.5 m ²	1	Can be used from filtering to drying		
Shelf-type Vacuum Dryer	SUS	150L	1	30-50kg dryable		
Hot Air Dryer	SUS	400L	1	200-300kg Dryable, solventable		

S-2 Clean room	GMP ・Large capacity crystallizer ・Large Capacity Dryer	Reaction vessel	GL	10,000L	2	1 dissolution vessel, 1 crystallization vessel
		Centrifugal machine	SUS	48inch	1	Top drain type
		Nauta Type Dryer	SUS	3,000L	1	SV-Mixer®
		Hot Air Dryer	SUS	4,000L	1	Capable of drying from several hundred kilograms to 1 ton

Factory	Feature	Equipment	Material	Size	Number of base	Remarks
S-3	CGMP ・Low temperature reaction ・High temperature reaction ・High pressure reaction	Reaction vessel	GL	100L	1	
			GL	500L	2	
			SUS	500L	1	enable down to -80°C
			SUS	500L	1	Capable of up to 250°C
			SUS	300L	1	Enzyme reaction
			SUS	500L	1	Autoclave (3MPa)
		Pressurized filtration	GL	600mmΦ	1	
			SUS	600mmΦ	1	Can be used as a column
		Centrifugal machine	SUS	30inch	1	
		Hot Air Dryer	SUS	150L	1	
Vacuum agitator dryer	SUS	150L	1	Vertical Granulator		

S-3 Clean room	CGMP ・Powder handling	Reaction vessel	HAS	500L	2	Dissolution vessel 1, crystal analysis vessel 1
		Centrifugal machine	SUS	24inch	1	
		Hot Air Dryer	SUS	100L	1	
		Vacuum agitator dryer	SUS	150L	1	Vertical Granulator
		Milling machine	SUS	U-10	1	COMIL