MML
Matsui Machine Ltd

＊＊＊ Sheet for requesting a flooding check of random packing ＊＊＊ (distillation)

Date :
Item No :
Item Name :

Item \ Section			Rectifying section		Stripping section	
			Top	Bottom	Top	Bottom
Pressure: ※Please check the right item by circle mark	P	[mmHg・a / kg/cm2G / kPaG / kPaA]				
Temperature:	t	(℃)				
Vapor Rate:	G	(kg/H)				
Vapor Density:	ρ g	(kg/m^3)				
Liquid Rate:	L	(kg/H)				
Liquid Density:	ρ_L	(kg/m^3)				
Liquid Viscosity:	μ_L	(mPas (cP))				
Liquid Surfce Tension:	σ	(mN/m (dyne/cm))				
Foaming Factor:	※Please enter the 1.0 if there is no foaming					
Operation Range:		(%)	Min : ( ) ～ Max : ( )			
Allowable Total Pressure Drop:		(mmHg)	( ) ※Target Load＝( )%			
Feed Rate of Liquid: ※reference	L	(kg/H)				
			Rectifying section		Stripping section	
			Top	Bottom	Top	Bottom
Tower Diameter:	D	(mm)				
Packed Height:	H	(mm)				
Type of Packing:						
Number of Theoretical Plates:	NTP	(段)				
HETP:		(mm)				
Capacity Factor:	C_f	((kg/m)$^{1/2}$/S)				
Vapor Linear Velocity:	U	(m/sec)				
Flooding Approach:		(%)				
Liquid Load:		(m^3/m^2/Hr)				
Pressure Drop at each Layer:	ΔP	(mmHg)				

※Please fill the data in ☐