

Control Modules

Name	Type	Drawing Name	Unit	EM
TT-UnitSeedBioRct-1	Analogue Input	single_use_S88	UnitSeedBioRct	EM-SeedBio1
PH-UnitSeedBioRct-1	Analogue Input	single_use_S88	UnitSeedBioRct	EM-SeedBio1
DO-UnitSeedBioRct-1	Analogue Input	single_use_S88	UnitSeedBioRct	EM-SeedBio1
TT-UnitSeedBioR2-1	Analogue Input	single_use_S88	UnitSeedBioR2	EM-SeedBio2
PH-UnitSeedBioR2-1	Analogue Input	single_use_S88	UnitSeedBioR2	EM-SeedBio2
DO-UnitSeedBioR2-1	Analogue Input	single_use_S88	UnitSeedBioR2	EM-SeedBio2
TT-UnitProdBio-1	Analogue Input	single_use_S88	UnitProdBio	EM-ProdBio
PH-UnitProdBio-1	Analogue Input	single_use_S88	UnitProdBio	EM-ProdBio
DO-UnitProdBio-1	Analogue Input	single_use_S88	UnitProdBio	EM-ProdBio
DI-UnitSeedReactor-1	Digital Input	single_use_S88	UnitSeedReactor	EM-SeedReactor
DI-UnitSeedBioRct-1	Digital Input	single_use_S88	UnitSeedBioRct	EM-SeedBio1
DI-UnitSeedBioR2-1	Digital Input	single_use_S88	UnitSeedBioR2	EM-SeedBio2
DI-UnitProdBio-1	Digital Input	single_use_S88	UnitProdBio	EM-ProdBio
DI-UnitProdBio-2	Digital Input	single_use_S88	UnitProdBio	EM-ProdBio
DI-UnitProdBio-3	Digital Input	single_use_S88	UnitProdBio	EM-ProdBio
DI-Chroma1-1	Digital Input	singleuse-downstream	Chromatography1	EM-Chroma1
DI-Chroma1-2	Digital Input	singleuse-downstream	Chromatography1	EM-Chroma1
DI-Chroma1-3	Digital Input	singleuse-downstream	Chromatography1	EM-Chroma1
DI-chroma1-4	Digital Input	singleuse-downstream	Chromatography1	EM-Chroma1
DI-Chroma2-1	Digital Input	singleuse-downstream	Chromatography2	EM-Chroma2
DI-Chroma2-2	Digital Input	singleuse-downstream	Chromatography2	EM-Chroma2
DI-Chroma2-3	Digital Input	singleuse-downstream	Chromatography2	EM-Chroma2
DI-Ultrafil-1	Digital Input	singleuse-downstream	Ultrafiltration	EM-Ultrafil
DI-Ultrafiltration-2	Digital Input	singleuse-downstream	Ultrafiltration	EM-Ultrafil
DI-Ultrafil-3	Digital Input	singleuse-downstream	Ultrafiltration	EM-Ultrafil
DO-RoomStatus-1	Digital Output	single_use_S88	SingleUseUnit	
DO-RoomStatus-2	Digital Output	singleuse-downstream	downstream	EM-downstream
HYG-Chroma1-Filter	Hygienic Status	singleuse-downstream	Chromatography1	EM-Chroma1
HYG-Chroma2-Filter	Hygienic Status	singleuse-downstream	Chromatography2	EM-Chroma2
PU-UnitSeedReactor-1	Pump	single_use_S88	UnitSeedReactor	EM-SeedReactor
PU-UnitSeedBioRct-1	Pump	single_use_S88	UnitSeedBioRct	EM-SeedBio1
PU-UnitSeedBioR2-1	Pump	single_use_S88	UnitSeedBioR2	EM-SeedBio2
PU-UnitProdBio-1	Pump	single_use_S88	UnitProdBio	EM-ProdBio
PU-Chroma1-1	Pump	singleuse-downstream	Chromatography1	EM-Chroma1
PU-Chroma1-2	Pump	singleuse-downstream	Chromatography1	EM-Chroma1
PU-Chroma2-1	Pump	singleuse-downstream	Chromatography2	EM-Chroma2
FV-UnitProdBio-Air	Valve	single_use_S88	UnitProdBio	EM-ProdBio
FV-UnitProdBio-O2	Valve	single_use_S88	UnitProdBio	EM-ProdBio
FV-UnitProdBio-CO2	Valve	single_use_S88	UnitProdBio	EM-ProdBio
Agi-UnitSeedBioRct-1	Single Speed Motor	single_use_S88	UnitSeedBioRct	EM-SeedBio1
Agi-UnitSeedBioR2-1	Single Speed Motor	single_use_S88	UnitSeedBioR2	EM-SeedBio2
Agi-UnitProdBio-1	Single Speed Motor	single_use_S88	UnitProdBio	EM-ProdBio
Agi-UnitProdBio-2	Single Speed Motor	single_use_S88	UnitProdBio	EM-ProdBio
Agi-UnitProdBio-3	Single Speed Motor	single_use_S88	UnitProdBio	EM-ProdBio
Agi-Chroma1-1	Single Speed Motor	singleuse-downstream	Chromatography1	EM-Chroma1
Agi-Chroma1-2	Single Speed Motor	singleuse-downstream	Chromatography1	EM-Chroma1
Agi-Chroma2-1	Single Speed Motor	singleuse-downstream	Chromatography2	EM-Chroma2
Agi-Ultrafil-1	Single Speed Motor	singleuse-downstream	Ultrafiltration	EM-Ultrafil
Agi-Ultrafil-2	Single Speed Motor	singleuse-downstream	Ultrafiltration	EM-Ultrafil
SU_seedreactor	Single Use Container	single_use_S88	UnitSeedReactor	EM-SeedReactor
test	Single Use Container	single_use_S88	UnitSeedReactor	
SU_seedbioreactor1	Single Use Container	single_use_S88	UnitSeedBioRct	EM-SeedBio1
SU_seedbioreactor2	Single Use Container	single_use_S88	UnitSeedBioR2	EM-SeedBio2

SU_prodbioreactor	Single Use Container	single_use_S88	UnitProdBio	EM-ProdBio
SU-mixer1	Single Use Container	single_use_S88	UnitProdBio	EM-ProdBio
SU_mixer2	Single Use Container	single_use_S88	UnitProdBio	EM-ProdBio
SU_chroma1_mixer1	Single Use Container	singleuse-downstream	Chromatography1	EM-Chroma1
SU_Chroma1-mixer2	Single Use Container	singleuse-downstream	Chromatography1	EM-Chroma1
SU_Chroma2_mixer1	Single Use Container	singleuse-downstream	Chromatography2	EM-Chroma2
SU_Ultrafil_mixer1	Single Use Container	singleuse-downstream	Ultrafiltration	EM-Ultrafil
SU_Ultrafil_mixer2	Single Use Container	singleuse-downstream	Ultrafiltration	EM-Ultrafil

Control Modules

Name	Description	Diagram	Version	AuditTrailEnabled	Mode	OwnerId	TargetCtrlSystem	Unit	EquipmentModule	EngineeringUnits	EURangeStart	EURangeEnd	IsSimulate	TransmitterType	Value	AlarmsEnabled	IsInAlarm	High InAlarm	High Ack	High Enabled	High Severity	High Value	High High InAlarm	High High Ack	High High Enabled	High High Severity	High High Value	Inst InAlarm	Inst Ack	Inst Enabled	Inst Severity	Low InAlarm	Low Ack	Low Enabled	Low Severity	Low Value	Low Low InAlarm	Low Low Ack	Low Low Enabled	Low Low Severity	Low Low Value	Quality InAlarm	Quality Ack	Quality Enabled	Quality Severity
TT-UnitSeedBioRct-1		single_use_S88		False	Null			UnitSeedBioRc	EM-SeedBio1	DegC	0	100	False	Temperature	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
PH-UnitSeedBioRct-1		single_use_S88		False	Null			UnitSeedBioRc	EM-SeedBio1	dim	1	14	False	pHMeter	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
DO-UnitSeedBioRct-1		single_use_S88		False	Null			UnitSeedBioRc	EM-SeedBio1	ppm	0	1000	False	DissolvedO2	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
TT-UnitSeedBioR2-1		single_use_S88		False	Null			UnitSeedBioR2	EM-SeedBio2	DegC	0	100	False	Temperature	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
PH-UnitSeedBioR2-1		single_use_S88		False	Null			UnitSeedBioR2	EM-SeedBio2	dim	1	14	False	pHMeter	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
DO-UnitSeedBioR2-1		single_use_S88		False	Null			UnitSeedBioR2	EM-SeedBio2	ppm	0	1000	False	DissolvedO2	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
TT-UnitProdBio-1		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	DegC	0	100	False	Temperature	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
PH-UnitProdBio-1		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	dim	1	14	False	pHMeter	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info
DO-UnitProdBio-1		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	ppm	0	1000	False	DissolvedO2	0	False	False	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info	False	False	False	Info	0	False	False	False	Info	0	False	False	False	Info

Control Modules

Name	Description	Diagram	Version	AuditTrailEnabled	Mode	OwnerId	TargetCtrlSystem	Unit	EquipmentModule	Value	Alarms Enabled	IsInAlarm	FailToStart	FailToStart Ack	FailToStart Enabled	FailToStart Severity	InterlocksEnabled	IsInterlocked	AutomaticReset
DO-RoomStatus-1		single_use_S88		False	Null			SingleUseUnit		False	False	False	False	False	False	Info	False	False	False
DO-RoomStatus-2		singleuse-downstream		False	Null			downstream	EM-downstream	False	False	False	False	False	False	Info	False	False	False

Control Modules

Name	Description	Diagram	Version	AuditTrailEnabled	Mode	OwnerID	TargetCtrlSystem	Unit	EquipmentModule	Remaining Time	Value
HYG-Chroma1-Filter		singleuse-downstream		False	Null			Chromatography1	EM-Chroma1		Null
HYG-Chroma2-Filter		singleuse-downstream		False	Null			Chromatography2	EM-Chroma2		Null

Control Modules

Control Modules																						
Name	Description	Diagram	Version	AuditTrailEnabled	Mode	OwnerId	TargetCtrlSystem	Unit	EquipmentModule	HasAvailableInput	HasHOAInput	HasRunningInput	IsFixedSpeed	AlarmsEnabled	IsInAlarm	FailToStart	FailToStart Ack	FailToStart Enabled	FailToStart Severity	InterlocksEnabled	IsInterlocked	Automatic Mode
PU-UnitSeedReactor-1		single_use_S88		False	Null			UnitSeedReactor	EM-SeedReactor	False	False	False	False	False	False	False	False	False	Info	False	False	False
PU-UnitSeedBioRct-1		single_use_S88		False	Null			UnitSeedBioRct	EM-SeedBio1	False	False	False	False	False	False	False	False	False	Info	False	False	False
PU-UnitSeedBioR2-1		single_use_S88		False	Null			UnitSeedBioR2	EM-SeedBio2	False	False	False	False	False	False	False	False	False	Info	False	False	False
PU-UnitProdBio-1		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	False	False	False	False	False	False	False	False	Info	False	False	False
PU-Chroma1-1		singleuse-downstream		False	Null			Chromatography1	EM-Chroma1	False	False	False	False	False	False	False	False	False	Info	False	False	False
PU-Chroma1-2		singleuse-downstream		False	Null			Chromatography1	EM-Chroma1	False	False	False	False	False	False	False	False	False	Info	False	False	False
PU-Chroma2-1		singleuse-downstream		False	Null			Chromatography2	EM-Chroma2	False	False	False	False	False	False	False	False	False	Info	False	False	False

Control Modules

Name	Description	Diagram	Version	AuditTrailEnabled	Mode	OwnerId	TargetCtrlSystem	Unit	EquipmentModule	IsRunning	Value	Alarms Enabled	IsInAlarm	FailToStart	FailToStart Ack	FailToStart Enabled	FailToStart Severity	InterlocksEnabled	IsInterlocked	AutomaticReset
Agi-UnitSeedBioRct-1		single_use_S88		False	Null			UnitSeedBioRct	EM-SeedBio1	False	0	False	False	False	False	False	Info	False	False	False
Agi-UnitSeedBioR2-1		single_use_S88		False	Null			UnitSeedBioR2	EM-SeedBio2	False	0	False	False	False	False	False	Info	False	False	False
Agi-UnitProdBio-1		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	0	False	False	False	False	False	Info	False	False	False
Agi-UnitProdBio-2		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	0	False	False	False	False	False	Info	False	False	False
Agi-UnitProdBio-3		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	0	False	False	False	False	False	Info	False	False	False
Agi-Chroma1-1		singleuse-downstream		False	Null			Chromatography	EM-Chroma1	False	0	False	False	False	False	False	Info	False	False	False
Agi-Chroma1-2		singleuse-downstream		False	Null			Chromatography	EM-Chroma1	False	0	False	False	False	False	False	Info	False	False	False
Agi-Chroma2-1		singleuse-downstream		False	Null			Chromatography	EM-Chroma2	False	0	False	False	False	False	False	Info	False	False	False
Agi-Ultrafil-1		singleuse-downstream		False	Null			Ultrafiltration	EM-Ultrafil	False	0	False	False	False	False	False	Info	False	False	False
Agi-Ultrafil-2		singleuse-downstream		False	Null			Ultrafiltration	EM-Ultrafil	False	0	False	False	False	False	False	Info	False	False	False

Control Modules

Name	Description	Diagram	Version	AuditTrailEnabled	Mode	Ownerid	TargetCtrlSystem	Unit	EquipmentModule	HasDivertFeedback	HasOpenFeedback	FailOpen	Value	AlarmsEnabled	IsInAlarm	FailToClose	FailToClose Ack	FailToClose Enabled	FailToClose Severity	FailToOpen	FailToOpen Ack	FailToOpen Enabled	FailToOpen Severity	InterlocksEnabled	IsInterlocked	AutomaticReset
FV-UnitProdBio-Air		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	False	False	False	False	False	False	False	False	Info	False	False	False	Info	False	False	False
FV-UnitProdBio-O2		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	False	False	False	False	False	False	False	False	Info	False	False	False	Info	False	False	False
FV-UnitProdBio-CO2		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	False	False	False	False	False	False	False	False	False	Info	False	False	False	Info	False	False	False

Control Modules

Name	Description	Diagram	Version	AuditTrailEnabled	Mode	OwnerId	TargetCtrlSystem	Unit	EquipmentModule	Size	Type	Value	SingleUseStatus
SU_seedreactor		single_use_S88		False	Null			UnitSeedReactor	EM-SeedReactor	20L	bag	Null	BagSetup
test		single_use_S88		False	Null			UnitSeedReactor				Null	BagSetup
SU_seedbioreactor1		single_use_S88		False	Null			UnitSeedBioRct	EM-SeedBio1	50L	bag	Null	BagSetup
SU_seedbioreactor2		single_use_S88		False	Null			UnitSeedBioR2	EM-SeedBio2	500L	bag	Null	BagSetup
SU_prodbioreactor		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	2000L	bag	Null	BagSetup
SU-mixer1		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	1000L	bag	Null	BagSetup
SU_mixer2		single_use_S88		False	Null			UnitProdBio	EM-ProdBio	1000L	bag	Null	BagSetup
SU_chroma1_mixer1		singleuse-downstream		False	Null			Chromatography1	EM-Chroma1			Null	BagSetup
SU_Chroma1-mixer2		singleuse-downstream		False	Null			Chromatography1	EM-Chroma1			Null	BagSetup
SU_Chroma2_mixer1		singleuse-downstream		False	Null			Chromatography2	EM-Chroma2			Null	BagSetup
SU_Ultrafil_mixer1		singleuse-downstream		False	Null			Ultrafiltration	EM-Ultrafil			Null	BagSetup
SU_Ultrafil_mixer2		singleuse-downstream		False	Null			Ultrafiltration	EM-Ultrafil			Null	BagSetup