

## **Grow**Sphere<sup>™</sup>

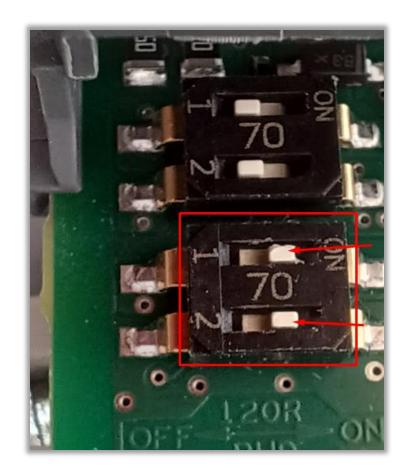
## RadioNet Mapping using "Polenet2Max Application".

Jan 2023 orbia



RadioNet interface with GS is currently only via RS485. RS485 Module must be installed on Upper Port. Note the "DIP Switch" position on the RS 485 module marked in RED Must be towards the "ON" Side

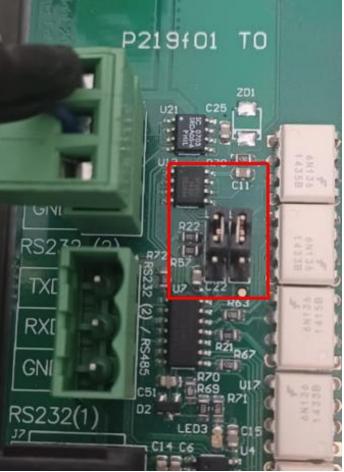




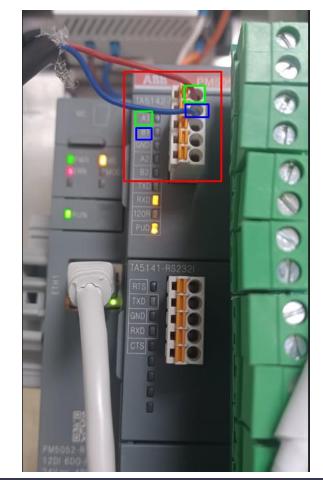


## Wiring Between Host & GS max Controller A to A & B To B. LK1 & LK2 Jumper on the RadioNet Host should be on Upper side

## **RadioNet Host**



## **GrowSphere Max**

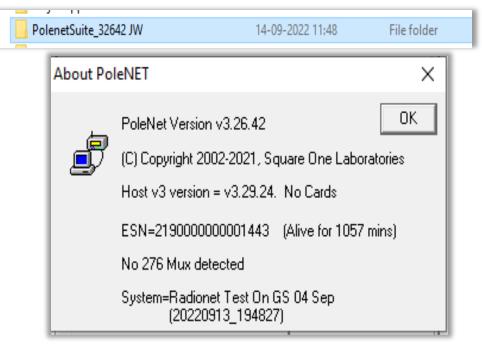




#### **Required Polenet Version**

#### Always Check for Latest & Recommended Versions of PoleNet & Polenet2Max App.

• Use PoleNet Version: 3.26.42 Or Newer Version



- Use Host Firmware Version: 3.29.24 the Newer Version
- Use Base Firmware Version: 2.74 Or the Newer Version
- Use RTU Firmware Version: 2.74 Or the Newer version



**Create New System in PoleNet. If you have New System, then ignore Slide No 6 to 9 & then Continue.** 

MODBUS Aliases

Mode: Bits in Words

Sq1 00001

Sq1 10001

Sq1 20001

Sq1 30001

Sq1 40001

Sq1 50001

0K

 $\times$ 

 Create a new System in PoleNet

New System
Allow By Agile system. Radio network.
System
Controller: MODBUS 💌 Select an Alias mode
Base ESN: 20210000000
Platform: 209 (Radio base gateway)
Firmware: AgileBase v2.74 Released 19-11-2021 💌
OK Cancel

Select Bits in Words

 $\times$ 

40001

30001

40001

30001

40001

30001

Cancel

 Enter the System Name and Base ESN No.

New System	×
Allow By Agile system. Radio network.	
System Radionet Net test 22 Nov	
Controller: MODBUS 💌 Bits in Words	
Base ESN: 202100000008610	
Platform: 209 (Radio base gateway)	
Firmware: AgileBase v2.74 Released 19-11-2021 💌	
OK Cancel	



if you want to connect existing "RadioNet from NetBeat to GS Max", then you need to do some Changes in Polenet. Right Click on Activated File and Copy Radionet System. Uncheck Map & Route Setting & Click " OK"

gile (MODBUS)         Radionet Net test 20 March         21         2023-03-20 20:24:19           gile (MODBUS)         Radionet Net test 22 Nov         21         2023-03-17 22:08:54           gile (MODBUS)         Badionet Test 13 April         19         2023-06-07 20:29:57	System Type	System	RTUs	PoleNet Status	Database Status	Modify Status	Last Modified Time
Copy system × System Name: RN test for Alias Mode-Copy Copy map setting Copy route setting	vgile (MODBUS)	Radionet Net test 20 March Radionet Net test 22 Nov	21				2023-03-17 22:08:54
System Name: RN test for Alias Mode-Copy	gile (MODBUS)	RN test for Alias Mode	5	Active (20230608	Last activated		2023-06-08 17:49:28
OK Cartor			ystem Nan Cop	by map setting by route setting	Mode-Copy		



# Right Click on Copied System and Select " Edit System name & Controller" and Change Alias Mode to "Bits in Words"

System Type	System	RTUs	PoleNet Status	Database Status	Modify Status	Last Modified Time
Agile (MODBUS) Agile (MODBUS) Agile (MODBUS) Agile (MODBUS)	Radionet Net test 20 March Radionet Net test 22 Nov Radionet Test 13 April BN test for Alias Mode	21 21 19	Active (20230608	Last activated		2023-03-20 20:24:19 2023-03-17 22:08:54 2023-06-07 20:29:57 2023-06-08 17:49:28
gile (MODBUS)	RN test for Alias Mode-Copy	5				2023-06-08 17:49:28
	System Name:	Agile syste	m. Radio network.	Bits in Words		
			T Allov	v Byte mapping		
	OK		C	ancel		





## Earlier System Alias Mode was "Bytes in Words". for GS Max Need to Change to "Bits in Words".

System Type	System	RTUs	PoleNet Status	Database Status	Modify Status	Last Modified Time	N System Type	System	RTUs PoleNet Status	Database Status	Modify Status	Last Modified Time
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	System Type System Name:		em. Radio network. or Alias Mode		•		-	System Tur M System Nar		40001	•	
	Controller:	MODBUS		Bytes in Words ow Byte mapping				Controller:	Sq1 30001 Sq1 40001	40001 <u>Js</u> 30001 40001 <b>3</b> 30001		
	01	<		Cancel					OK	Cancel		



### If your Radionet System Connected with NMC, then you need to Change Controller Type to "ModBus" & Alias Mode "Bits in Words" for GS Max .

💣 Database: D:\P	W Data\GrowSphere\PolenetSuite_	32642 JW\AgilelOUser.AGI			- 🗆 X	🔊 Database: D:\F	W Data\GrowSphere\PolenetSuite	_32642 JV	V\AgilelOUser.AGI			- 🗆 X
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	OK	Cancel		Edit	Exit		OK		Cancel		Edit	Exit



# Make sure that all RTUs with expansion cards are added & Activate the System.

DBUS)       Radionet Net test 22 Nov       21       Active (20230103       Last activated       2023-01-03 22:29:22         Active (20230103       Last activated       2023-01-03 22:29:22       2023-01-03 22:29:22         Active (20230103       Last activated       2023-01-03 22:29:22         Active (20230103       Last active (20230103       Last active (20230103	Aquie (MODBUS) Radionet Net test 22 Nov 21 Active (20230103 Last activated 2023-01-03 22:4 Aquie (MODBUS) Radionet Net test 22 Nov 21 Active (20230103 Last activated 2023-01-03 22:4 New System in PoleNet	21         Active (20230103         Last activated         2023-01-03 22:29:22           1         <	System Type System RTUs PoleNet Status Database Status Modify Status Last Modified Time
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## **GrowSphere Hydraulic Configuration**

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Gro	wSphere"	GS01	Main line 1	<ul> <li>Settings</li> </ul>			Thu 12 Jan 2023 18:27:42	¢ 11
命	Con	figuration	Local I/	/0	Remote I/O	Communication	n Wiring Diagram	
斋	Main	iline Po	ump Station	Filter Station	Dosing Station	Valves	Other Devices	
00	Mainline							
	Valves	2	20					
(NPK)	🗹 Pu	mp						
Â	🗌 Pu	mp Station						
⊟	🗌 Fil	ter Station						
	🗹 Do	osing Station						
	🔽 Ma	ain Valve						
	🔽 Ma	ain WM				O Loca	al Pump station	
бк	🔲 Ma	ain Pressure sens	or			O After	r filter	





### Navigate to Settings >> Communication >> Select RadioNet >>Export Hydraulic Model. Also Check Modbus ID is same on Modbus Setup & Allocation Screen.

Gro	wSphere <sup>™</sup> Farm	Mainline 1 🛛	Settings		Thu 13 Jul 2023 17:52:37 🔶	🥏 PoleN	let (Agile Host v3 - connected) — 🗌 🗙	Modbus Setup X
	Configuration	Local I/O	Remote I/O	Communication	89 Wiring Diagram		PC Connection Configure Connection Disconnect	Modbus Id: 1 OK (1-247) 1 OK Second Id 0 Cancel
斋	SingleNet Allocation	RadioNet Allocation	NetRTU (GW) Allocation	Weather Station			Activated System in PoleNet	Comms Info Network: RS485/232
00	RS-485 - Serial port (port	t 1) Modbus ID	1 Export	Hydraulic model	Start Allocation		em: Radionet test 04 July 23 on: 20230704_174006	Speed : 19200 ▼ Parity : None ▼
NPK	RTU S.N. #ID	Status Name	FW ver.				Edit Systems in PoleNet	Tx Delay:4 (0-50 ms)
Þ						Syste	Agile Host v3	Check Live Comms
Ń						Veisi	Monitor Route Table	Error Timeout : 10 (0-600 secs) Report Errors as Input Id: 0 (0=0ff,1-7680)
							Agile System in Host	Reverse Bit Order for Register Reports
							Configure Modbus System	
FM	<					Abo	Firmware Exit	



## After Successfull "Export", Click on Done

Gr	owSphere <sup>™</sup> Farm	Mainline 3 🛛 🔻	Settings		nu 13 Jul 2023 18:07:12 🔶
命	Configuration	Local I/O	Remote I/O	Communication	Wiring Diagram
备	SingleNet Allocation	RadioNet Allocation	NetRTU (GW) Allocation	Weather Station	
		ulic model			
00	RS-485 - Seria		- the set		art Allocation
NPK	#ID Na	Iraulic model successfully expo	rtea		
000					
<u>_!</u>				Done	
577					



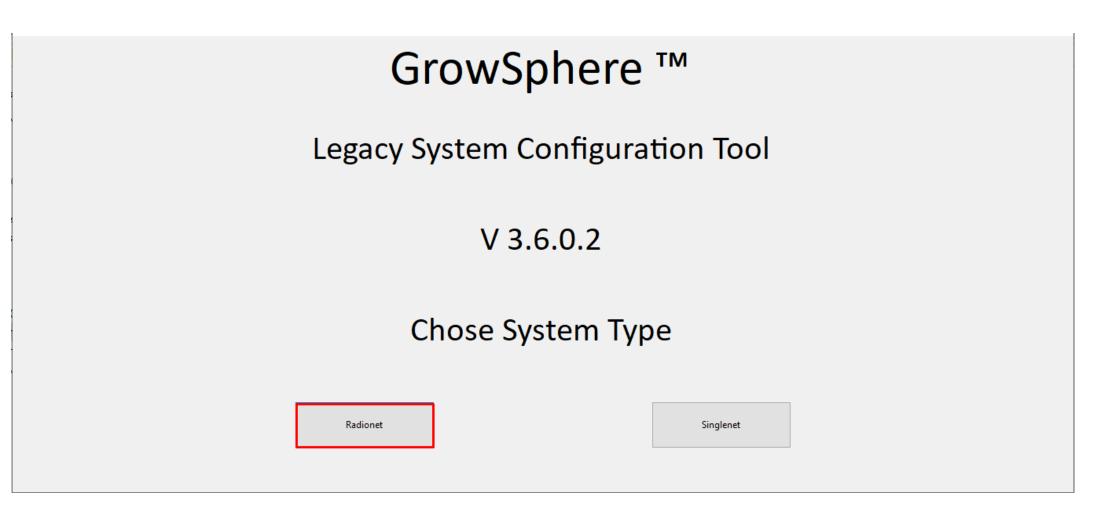
orbia

## **Open "Polenet2Max" Application**

Name	Date modified	Туре	Size
configuration.properties	11/15/2022 1:13 PM	PROPERTIES File	1 KB
D3DCompiler_47_cor3.dll	5/6/2022 8:46 PM	Application extens	4,031 KB
Adevices_types	11/10/2022 7:00 PM	JSON File	23 KB
🖾 illust58-1841	11/28/2022 5:35 PM	JPG File	1,468 KB
PenImc_cor3.dll	11/19/2022 11:16 PM	Application extens	143 KB
Polenet2Max	1/18/2023 2:32 PM	Application	155,001 KB
Polenet2Max.pdb	1/18/2023 2:31 PM	PDB File	50 KB
PresentationNative_cor3.dll	10/13/2022 11:46 PM	Application extens	924 KB
🚳 sni.dll	7/12/2017 4:54 PM	Application extens	134 KB
SQLite.Interop.dll	11/2/2021 11:17 PM	Application extens	1,343 KB
vcruntime140_cor3.dll	11/10/2022 8:04 AM	Application extens	89 KB
wpfgfx_cor3.dll	11/19/2022 11:18 PM	Application extens	1,763 KB



**Select RadioNet** 





## Select Read Database, Select AgileIoUser.AGI file from the PoleNet folder, click

Open

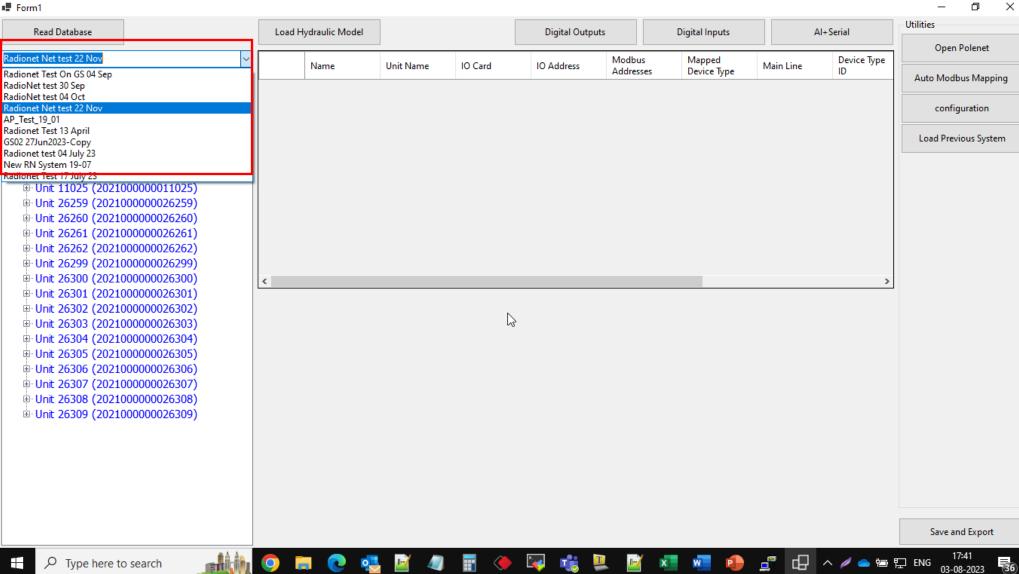
net 12Jan22	~				
Dpen		Name Unit N	lame	Unit ID	Mappe
- open			×		Device
← → ∽ ↑  Sektop → PolenetSuite_32642 JW	ٽ ~	⊘ Search PolenetSuite_326	42 JW		
Organize 🔻 New folder			?		
This PC Name	Status	Date modified	Туре		
3D Objects Agile_Systems	Ø	12-01-2023 05:52 PM	File fo		
Desktop	$\odot$	28-11-2022 02:38 PM	File fo		
Documents	Ø	12-01-2023 07:48 PM	AGI Fi		
United States St					
Music			- 1		
Pictures					
📕 Videos					
Windows (C:)					
🔜 New Volume (D:					
👳 inhosavli (\\neta					
A Naturali			>		
File name: AgilelOUser	~	AGI Files (*.AGI)	$\sim$		
		Open Cance	I		
	Ľ		:		



#### Chose correct file from list after Read Database.

Form1

**▲◇ NETAFIM**™



## **PoleNet File and list of RTUs will be displayed**

🖡 Form1														- 0
Read Database		Load Hydraulic	Model				Digital Outputs		Digital In	iputs		Al+Serial		Utilities
Radionet Net test 22 Nov	~				Mapped					Modbus	Modbus	Modbus	Devi	Open Polenet
		Name	Unit Name	Unit ID	Device Type	Main Line	Remote/Local	IO Card	IO Address	Address A	Address B	Address C	ID	Auto Modbus Mapping
Bace (20210000000000010)														
Base (202100000008610)														configuration
⊕ Unit 09279 (202100000009279) ⊕ Unit 09292 (202100000009292)														
unit 09687 (202100000009292)														Load Previous System
B Unit 10489 (2021000000010489)														
⊕ Unit 26259 (202100000026259)														
⊕ Unit 26260 (202100000026260)														
🖶 Unit 26261 (202100000026261)														
Hunit 26262 (202100000026262)														
🗄 Unit 26299 (202100000026299)														
🗄 Unit 26300 (202100000026300)														
🖻 Unit 26301 (202100000026301)														
🖶 Unit 26302 (202100000026302)														
🖶 Unit 26303 (202100000026303)														
🖶 Unit 26304 (202100000026304)														
⊕ Unit 26305 (202100000026305)														
Unit 26306 (202100000026306)														
						_								
	<												>	
⊞ Unit 26309 (202100000026309)	Device F	Parameters			Select D	evice to Allocat	e to this IO							

## Click Auto Modbus Mapping and wait for message "Mapping Done", click Ok

Form1													- 0 >
Read Database	Load Hydraulic	Model				Digital Outputs		Digital In	iputs		Al+Serial	<b>F</b>	Utilities Open Polenet
Radionet Net test 22 Nov	Name	Unit Name	Unit ID	Mapped Device Type	Main Line	Remote/Local	IO Card	IO Address	Modbus Address A	Modbus Address B	Modbus Address C	Devi ID	
Radionet Net test 22 Nov													Auto Modbus Mapping
Base (202100000008610)													configuration
⊕ Unit 09687 (20210000009292)													Load Previous System
Unit 11025 (202100000011025)													
🖶 Unit 26259 (202100000026259)													
⊞ Unit 26260 (202100000026260)													
⊡ Unit 26261 (202100000026261)													
₽- Unit 26299 (202100000026299) ₽- Unit 26300 (2021000000026300)													
⊕ Unit 26301 (202100000026300)     ⊕ Unit 26301 (202100000026301)													
⊕ Unit 26302 (202100000026302)													
■ Unit 26304 (202100000026304)													
<sup>I</sup> Unit 26305 (202100000026305)													
■ Unit 26306 (202100000026306)					×								
Unit 26307 (202100000026307)													
⊕ Unit 26308 (202100000026308)	<			M	lapping done							<u> </u>	
ia Unit 26309 (202100000026309)	Device Parameters			Sel		e to this IO							
					OK								
	IO Type	Digit	tal Input	Wa	OK								
	RTU	Unit C	09279										
	IO Number	1											



## Below screen shots shows "Before Mapping" and "After Mapping view on **PoleNet Mapping View Tab.**

#### **Before Mapping**

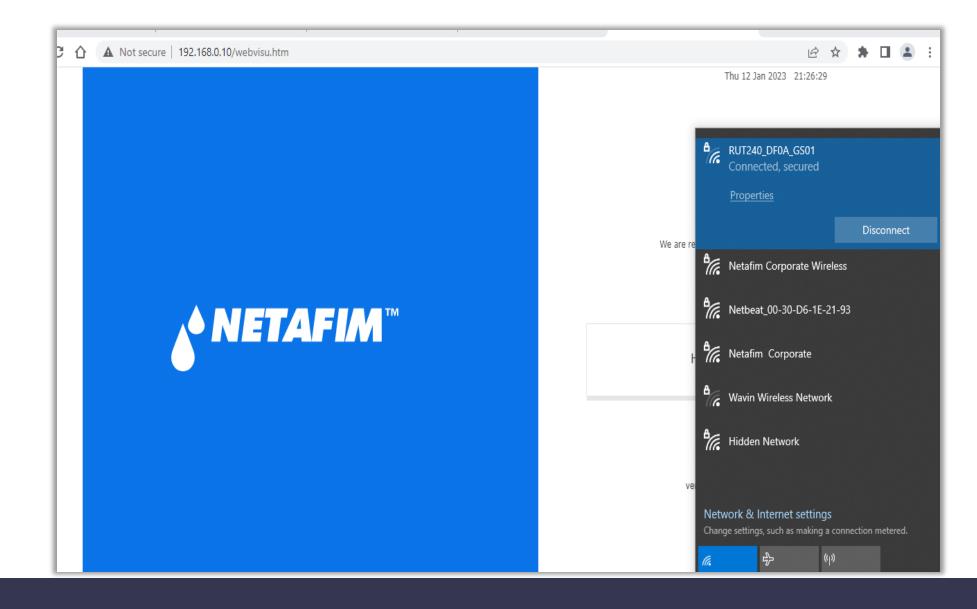
After Mapping

🦸 Agile System: Radi	onet 12Jan22,	using MODB	US					_	- 🗆	×	🥏 Agile Sys	tem: Radio	net 12Jan22,	, using MOD	BUS					_	· 🗆	×
System Mapping Edit	Mapping View	Direct Mapp	ing View R	oute AutoMap							System Ma	pping Edit	Mapping Viev	W Direct Ma	pping View   R	oute AutoMap						
Modbus A Bit Out	Bit In	Word Out	Word In	Unit	Card	10	IO Type	Parameter	Playback		Modbus A		Bit In		it Word In	Unit	Card	10	IO Type	Parameter	Playback	^
											1	1		40001		2021000000010528	1 (307)	1	DO	desired		
											2	2		40001		2021000000010528	1 (307)	2	DO	desired		
											3	3		40001		202100000026299	1 (207)	3	DO	desired		
											4	4		40001		202100000026260	1 (207)	3	DO	desired		
											5	5		40001		202100000026300	1 (207)	3	DO	desired		
											6	6		40001		202100000026300	2 (208)	3	DO	desired		
											7	7		40001		202100000026300	2 (208)	4	DO	desired		
											8	8		40001		202100000026302	1 (207)	3	DO	desired		
											9	9		40001		202100000026302	2 (208)	3	DO	desired		
											10	10		40001		202100000026302	2 (208)	4	DO	desired		
										- 11	11	11		40001		2021000000010489		1	DO	desired		
											12	12		40001		2021000000010489		2	DO	desired		
										- 11	13	13		40001		202100000026259	1 (207)	3	DO	desired		
										- 11	14	14		40001		202100000026301	1 (207)	3	DO	desired		
										- 11	15	15		40001		202100000026301	2 (208)	3	DO	desired		
										- 11	16	16		40001		202100000026301	2 (208)	4	DO	desired		
										- 11	17	17		40002		202100000026308	1 (207)	3	DO	desired		
											18	18		40002		202100000026308	2 (208)	3	DO	desired		
										- 11	19	19		40002		202100000026308	2 (208)	4	DO	desired		
										- 11	20	20		40002		202100000026261	1 (207)	3	DO	desired		
											10001		10001		30001	2021000000010528	1 (307)	1	DO	actual		
											10002		10002		30001	2021000000010528	1 (307)	2	DO	actual		
											10003		10003		30001	202100000026299	1 (207)	3	DO	actual		
										- 11	10004		10004		30001	202100000026260	1 (207)	3	DO	actual		
											10005		10005		30001	202100000026300	1 (207)	3	DO	actual		
											10006		10006		30001	202100000026300	2 (208)	3	DO	actual		
										- 11	10007		10007		30001	202100000026300	2 (208)	4	DO	actual		
											10008		10008		30001	202100000026302	1 (207)	3	DO	actual		
											10009		10009		30001	202100000026302	2 (208)	3	DO	actual		
											10010		10010		30001	2021000000026302		4	DO	actual		~
		(F	ull Range)	-				М	lodbus Address	-					(Full Range)	-				M	odbus Address	s .
🔽 Display ESN			Used addre	ess only	S	ave		Exit	1	_	🔽 Display ES	SN .			Used addre		c	Save		Exit	1	
Supported Params		Г	Sort by Uni	ESN		070					Supported				🔲 Sort by Uni	-		Jave		EXIC	_	
										1												-



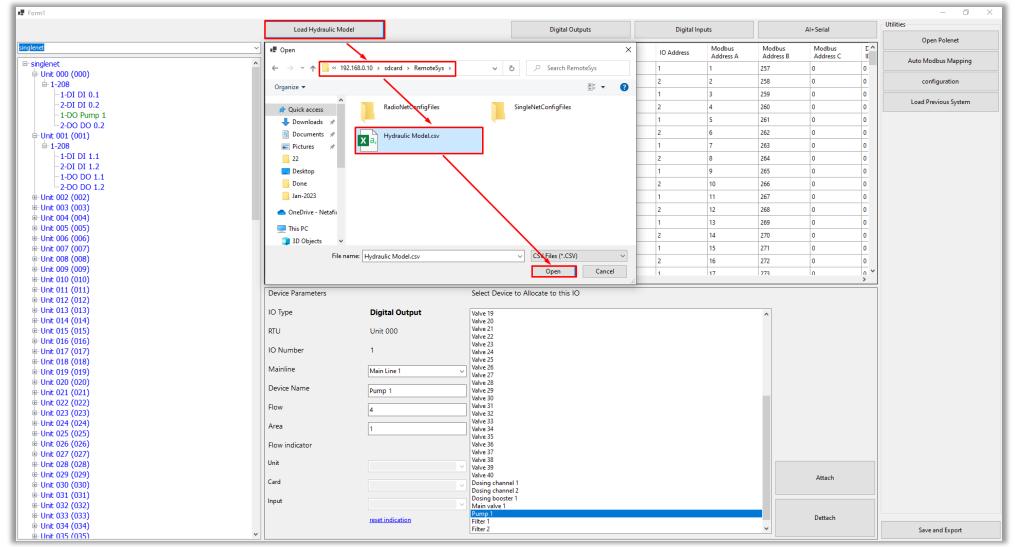
-

## Connect to GS (in pic it is via RUT240 xx Modem)





## Click on "Load Hydraulic Model", Select Path sdcard >> RemoteSys >> Hydraulic Model.csv & Click on Open





## Wait for Message "File loaded successfully", Click OK

Form1 Read Database	Load Hydraulic	Model			Digital Outputs	Digital Ir	apute		Al+Serial	- D
adionet Net test 22 Nov		INIDAEI				Digital in				Open Polenet
	Name	Unit Name Unit ID	Mapped Device Type	Main Line	Remote/Local IO Ca	ard IO Address	Modbus Address A	Modbus Address B	Modbus Dev Address C ID	Auto Modbus Mapping
■ Radionet Net test 22 Nov ♣ Base (2021000000008610)										
🖶 Unit 09279 (202100000009279)										configuration
⇔ Unit 09292 (202100000009292) ⇔ Unit 09687 (2021000000009687)										Load Previous System
🖮 Unit 10489 (2021000000010489)										
⊕ Unit 10528 (202100000010528) ⊕ Unit 11025 (2021000000011025)										
Unit 26259 (202100000026259)										
⊕ Unit 26260 (202100000026260) ⊕ Unit 26261 (2021000000026261)										
🖮 Unit 26299 (202100000026299)										
⇔ Unit 26300 (202100000026300) ⊕ Unit 26301 (202100000026301)										
ia Unit 26302 (202100000026302)										
🖮 Unit 26303 (202100000026303)										
⊕ Unit 26304 (202100000026304) ⊕ Unit 26305 (202100000026305)										
🖶 Unit 26306 (202100000026306)			ок		×					
⊕ Unit 26308 (202100000026308) ⊡ Unit 26309 (202100000026309)	Oevice Parameters			File loaded successfully	y 510				3	
	Device Falameters									
	IO Type	Digital Input		ОК						
	RTU	Unit 09279								
	RTU	Unit 09279								
	RTU IO Number	Unit 09279 1								
		1	~							
	IO Number		~							
	IO Number	1 Main Line 1	~							
	IO Number Mainline	1	~							
	IO Number Mainline	1 <u>Main Line 1</u> Banana 1	~							
	IO Number Mainline Device Name	1 Main Line 1	~							
	IO Number Mainline Device Name	1 <u>Main Line 1</u> Banana 1	× 							
	IO Number Mainline Device Name	1 <u>Main Line 1</u> Banana 1	~						Attach	
	IO Number Mainline Device Name	1 <u>Main Line 1</u> Banana 1	~						Attach	



## Digital Outputs / Inputs / AI+Serial can be assigned by selecting relevant Tabs

													- 0
Read Database	Load Hydraulic Mod	lel				Digital Outputs		Digital In	puts		Al+Serial		Utilities
onet Net test 22 Nov	Name	Unit Name	Unit ID	Mapped Device Type	Main Line	Remote/Local	IO Card	IO Address	Modbus	Modbus	Modbus	Devi	Open Polenet
Radionet Net test 22 Nov				Device lype					Address A	Address B	Address C	ID	Auto Modbus Mapping
Base (202100000008610)													
□ Unit 09279 (202100000009279)													configuration
- Unit 09292 (202100000009292)													
□ Unit 09687 (202100000009687)													Load Previous System
" UTIL 09087 (202100000009087)													
- Unit 10489 (202100000010489)													
Unit 10528 (202100000010528)													
- Unit 11025 (2021000000011025)													
Unit 26259 (202100000026259)													
Unit 26260 (202100000026260)													
Unit 26261 (202100000026261)													
Unit 26262 (202100000026262)													
Unit 26299 (202100000026299)													
Unit 26300 (202100000026300)													
Unit 26301 (202100000026301)													
Unit 26302 (202100000026302)													
Unit 26303 (202100000026303)													
Unit 26304 (202100000026304)													
- Unit 26305 (202100000026305)													
- Unit 26306 (202100000026306)													
Unit 26307 (202100000026307)	,				_							>	
	<											>	
- Unit 26309 (202100000026309)													

**▲**● NETAFIM<sup>™</sup>



## Click on "Digital Outputs" Tab, this will show DOs available on all RTUs $_{-}$

Form1

Read Database	Load	Hydraulic Model			Digital Outpu	uts	Digital Inputs	۵	l+Serial	Utilities
dionet Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy			Unit 09279	1	3	6   10006   0	Device type	0	0	Auto Modbus Mapping
Base (202100000008610)     August 202270 (2022100000008610)			Unit 09279	2	3	7   10007   0		0	0	configuration
≝ Unit 09279 (202100000009279) ⊕ Unit 09292 (202100000009292)			Unit 09279	2	4	8   10008   0		0	0	conngaration
			Unit 09279	3	2			0	0	Load Previous System
Unit 10489 (2021000000010489)				-	3	9   10009   0		-		
			Unit 09279	3	4	10   10010   0		0	0	
🖶 Unit 11025 (2021000000011025)			Unit 09292	1	3	1   10001   0		0	0	
🗉 Unit 26259 (2021000000026259)			Unit 09292	2	3	2   10002   0		0	0	
⊞ Unit 26260 (2021000000026260)			Unit 09292	2	4	3   10003   0		0	0	
Unit 26261 (202100000026261)			Unit 09292	3	3	4   10004   0		0	0	
Unit 26262 (2021000000026262)			Unit 09292	3	4	5   10005   0		0	0	
Unit 26299 (2021000000026299)									· · ·	
<ul> <li>Init 26300 (2021000000026300)</li> <li>Init 26301 (2021000000026301)</li> </ul>	<								>	
Unit 26305 (2021000000026305)										
⊕ Unit 26306 (2021000000026306)										
Unit 26307 (2021000000026307)										
Unit 26309 (2021000000026309)										

Save and Export



#### Click on any DO. This will open the window below, enter details such as Mainline, Device Name, flow, Area & Flow indicator. o ×

-	_						
	F		r	.,			п
_		v	1	1	1	1	

⊾• NETAFIM™

Read Database		Load H	ydraulic Model			Digital Outp	uts	Digital Inputs		Al+Serial	Utilities
ladionet Net test 22 Nov-Copy	~		Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
- Radionet Net test 22 Nov-Copy				Unit 09279	1	3	6   10006   0	Device type	0	0	Auto Modbus Mapping
Base (202100000008610)				Unit 09279	2	3	7   10007   0		0	0	configuration
□ Unit 09279 (202100000009279)					-	4			-		configuration
				Unit 09279	2	-	8   10008   0		0	0	Load Previous System
-1-DI Flow indicator 1				Unit 09279	3	3	9   10009   0		0	0	
-2-DI				Unit 09279	3	4	10   10010   0		0	0	
				Unit 09292	1	3	1   10001   0		0	0	
₽ 2-208				Unit 09292	2	3	2   10002   0		0	0	
1-DI				Unit 09292	2	4	3   10003   0		0	0	
				Unit 09292	3	3	4   10004   0		0	0	
- 3-DO Banana 2				Unit 09292	3	4	5   10005   0		0	0	
4-DO Pomo 3						-			-	- v	
i⊞ 3-208 ⊞ Unit 09292 (202100000009292)	<									>	
	[	Device Pa	arameters		Select De	vice to Allocate t	o this IO				
Unit 10489 (2021000000010489)	1	О Туре		Digital Output	Valve 1				^		
Unit 10528 (2021000000010528)	F	πυ		Unit 09279	Valve 2						
Unit 11025 (2021000000011025)		O Numb	er	3	Valve 3 Valve 4						
Unit 26259 (2021000000026259)		Vainline		-	Valve 5						
🖶 Unit 26260 (2021000000026260)				Main Line 1	✓ Valve 6 Valve 7						
🖶 Unit 26261 (2021000000026261)		Device N	ame	Banana 1	Valve 8						
Unit 26262 (202100000026262)	F	low		10	Valve 9 Valve 10						
Unit 26299 (2021000000026299)	4	Area		1	Valve 11						
	F	-low indi	cator		Valve 12 Valve 13						
<ul> <li>Init 26301 (2021000000026301)</li> <li>Init 26302 (2021000000026302)</li> </ul>	ι	Jnit	Γ		Valve 13						
	C	Card			Valve 15					Attach	
		nput			Valve 16 Valve 17						
		nput			✓ Valve 18					Dettach	
Unit 26306 (2021000000026306)	↓			reset indication	Valve 19				× I	Dettach	Save and Export



## Select Device to Allocate IO . Enter Details Device Name , Flow and Area Click Attach

	Form1											– 0 ×
	Read Database		Load Hy	draulic Model			Digital Outpu	uts	Digital Inputs	A	\l+Serial	Utilities Open Polenet
	Radionet Net test 22 Nov-Copy	~		Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^ ID	· · · · · · · · · · · · · · · · · · ·
	■ Radionet Net test 22 Nov-C		•		Unit 09279	1	3	6   10006   0		0	0	Auto Modbus Mapping
	Base (20210000000861     □ Unit 09279 (2021000000				Unit 09279	2	3	7   10007   0		0	0	configuration
	-0-202				Unit 09279	2	4	8   10008   0		0	0	
	<b>□</b> 1-207				Unit 09279	3	3	9   10009   0		0	0	Load Previous System
	- 1-DI Flow indicator	1			Unit 09279	3	4	10   10010   0		0	0	
	- 2-DI - 3-DO				Unit 09292	1	3	1   10001   0		0	0	
					Unit 09292	2	3	2   10002   0		0	0	
	- 1-DI				Unit 09292	2	4	3   10003   0		0	0	
	- 2-DI				Unit 09292	3	3	4   10004   0		0	0	
					Unit 09292	3	4	5   10005   0		0	0	
	± 3-208		<			· .				-	· · · · ·	
		009292)										
Device Nome 9	🖽 Unit 09687 (2021000000		Device Pa				vice to Allocate to					
Device Name &	Unit 10489 (2021000000	· · · · · · · · · · · · · · · · · · ·	IO Type		Digital Output	Valve 1 Valve 2				^		
Details			RTU		Unit 09279	Valve 3						
	Unit 26259 (2021000000		IO Numb	er 🗧	3	Valve 4 Valve 5						
			Iviainline		Main Line 1	✓ Valve 6 Valve 7						
	⊞ Unit 26261 (2021000000		Device Na	ame	Banana 1	Valve 8						
Flow Indicator :	⊞ Unit 26262 (2021000000		Flow		10	Valve 9 Valve 10						
Select Unit and	Unit 26299 (2021000000		Area	-	1	Valve 11						
	⊡ Unit 26300 (2021000000     ⊡ Unit 26301 (2021000000		Flow indic	cator		Valve 12 Valve 13						
Input to which it		· · · · · · · · · · · · · · · · · · ·	Unit		Unit 09279	Valve 14						
is connected	⊞ Unit 26303 (2021000000		Card		1	Valve 15					Attach	
	🗉 Unit 26304 (2021000000		Input		1	Valve 17 Valve 18						
	Unit 26305 (2021000000			L	reset indication	Valve 18 Valve 19				~	Dettach	Save and Export
	🖶 Unit 26306 (2021000000	026306) 🗸 🗸										save and export

-

## A Prompt message will appear, click Yes

Form1

Read Database	Load	d Hydraulic Model			Digital Outp	uts	Digital Inputs	A	l+Serial	Utilities
lionet Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy	^	Banana 1	Unit 09279	1	3	6   10006   0	Device type	0	0	Auto Modbus Mapping
Base (202100000008610)			Unit 09279	2	3	7   10007   0		0	0	configuration
Unit 09279 (202100000009279)			Unit 09279	2	4	8   10008   0		0	0	
□·1-207			Unit 09279	3	3	9 10009 0		0	0	Load Previous System
-1-DI Flow indicator 1					-			-		
			Unit 09279	3	4	10   10010   0		0	0	
			Unit 09292	1	3	1   10001   0		0	0	
<b>□</b> 2-208			Unit 09292	2	3	2   10002   0		0	0	
1-DI			Unit 09292	2	4	3   10003   0		0	0	
			Unit 09292	3	3	4   10004   0		0	0	
			Unit 09292	Atach	×	5   10005   0		0	0	
	<			Attach Valve 1 To	DigitalOutput?				>	
	Device	Parameters				this IO				
	ІО Тур	e	Digital Outpu	Yes	No			~		
⊕ Unit 10528 (2021000000010528)	RTU		Unit 09279		NO					
Unit 11025 (2021000000011025)	IO Nu	mber	3	Valve 3 Valve 4		-				
🗉 Unit 26259 (2021000000026259)	Mainli			Valve 5						
■ Unit 26260 (2021000000026260)			Main Line 1	Valve 6						
■ Unit 26261 (2021000000026261)		Name	Banana 1	Valve 8						
Unit 26262 (2021000000026262)	Flow		10	Valve 9 Valve 10						
	Area		1	Valve 11						
	Flow i	ndicator		Valve 12 Valve 13						
Unit 26302 (202100000026302)	Unit		Unit 09279	Valve 14						
Unit 26303 (202100000026303)	Card		1	Valve 15					Attach	
	Input		<b>U</b>	Valve 10 Valve 17						
	Input		1	Valve 18				J	Dettach	
Unit 26306 (2021000000026306)	<b>v</b>		reset indication	Valve 19				× 1	Dettuen	Save and Export



– 0 ×

#### Device will be mapped to Output on RTU & will be displayed in table

Read Database	Load Hydraulic M	odel		Digital Outp	uts	Digital Inputs	A	Al+Serial	Utilities
dionet Net test 22 Nov-Copy	~ Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy	A Banana 1	Unit 09279	1	3	6   10053   0	Valve 1	1	1	Auto Modbus Mapping
Base (202100000008610)     □ Unit 09279 (202100000009279)		Unit 09279	2	3	7   10007   0		0	0	configuration
-0-202		Unit 09279	2	4	8   10008   0		0	0	
₽ 1-207		Unit 09279	3	3	9   10009   0		0	0	Load Previous System
-1-DI Flow indicator 1		Unit 09279	3	4	10   10010   0		0	0	
<b>2-DI</b>		Unit 09292	1	3	1   10001   0		0	0	
3-DO		Unit 09292	2	3			0	0	
□ 2-208 - 1-DI			-	-	2   10002   0		-		
		Unit 09292	2	4	3   10003   0		0	0	
- 3-DO Banana 2		Unit 09292	3	3	4   10004   0		0	0	
- 4-DO Pomo 3		Unit 09292	3	4	5   10005   0		0	0	
±. 3-208	<	··· ·	1.	1.			1 -	>	
Unit 09292 (202100000009292)	Device Parameters	5	Select D	evice to Allocate t	o this IO				
Hont 09687 (202100000009687)	IO Type	Digital Output	Valve 1						
⊡ Unit 10489 (2021000000010489)     ⊕ Unit 10528 (2021000000010528)	RTU	Unit 09279	Valve 1 Valve 2				î		
Unit 11025 (2021000000010328)			Valve 3						
Unit 26259 (2021000000026259)	IO Number	3	Valve 4 Valve 5						
	Mainline	Main Line 1	Valve 6						
unit 26261 (2021000000026261)	Device Name	Banana 1	Valve 7 Valve 8						
Unit 26262 (2021000000026262)	Flow	10	Valve 9						
■ Unit 26299 (2021000000026299)	Area		Valve 10 Valve 11						
■ Unit 26300 (202100000026300)		1	Valve 12						
Unit 26301 (202100000026301)	Flow indicator		Valve 13						
unit 26302 (2021000000026302)	Unit	Unit 09279	Valve 14						
Unit 26303 (2021000000026303)	Card	1	Valve 15					Attach	
Unit 26304 (2021000000026304)	Input		Valve 17						
	l	1	✓ Valve 18					Dettach	
	<b>,</b>	reset indication	Valve 19				×	Dettach	Save and Export





## In Digital Inputs Details of flow Indicator assigned to DO can be seen here

Read Database	Loa	d Hydraulic Model			Digital Outp	uts	Digital Inputs	A	Al+Serial	Utilities
dionet Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy	^	Flow indicator 1	Unit 09279	1	1		Flow indicator 1	1	31	Auto Modbus Mapping
Base (202100000008610)			Unit 09279	1	2	10054   30646		0	0	configuration
⊡ Unit 09279 (202100000009279)				-	2			-		conngulation
			Unit 09279	2	1	10055   30648		0	0	Load Previous System
			Unit 09279	2	2	10056   30650		0	0	,
- 1-DI Flow indicator 1 - 2-DI			Unit 09279	3	1	10057   30652		0	0	
3-DO			Unit 09279	3	2	10058   30654		0	0	
⊒-2-208			Unit 09292	1	1	10047   30632		0	0	
- 1-DI			Unit 09292	1	2	10048   30634		0	0	
				-	2			-	-	
			Unit 09292	2	1	10049   30636		0	0	
			Unit 09292	2	2	10050   30638		0	0	
<b>⊞</b> . 3-208	<		1	1-	1.	1		1-	· · ·	
🖶 Unit 09292 (2021000000009292)										
🖶 Unit 09687 (202100000009687)										
🐵 Unit 10489 (2021000000010489)								1. 0		
			noto th	at Llow Ir	ndicator Ini	nutie not t	n ha dafin	od in (Erd	wSphoro	
🗉 Unit 10528 (2021000000010528)						out is not to			-	
<ul> <li>□ Unit 10528 (202100000010528)</li> <li>□ Unit 11025 (2021000000011025)</li> </ul>		NOTE : P Hydraulic (							-	x
Unit 10528 (2021000000010528)     Unit 11025 (2021000000011025)     Unit 26259 (2021000000026259)		Hydraulic (	Configura	tion anyv	vhere. It is	only to " co	onfirm",	the Valve	e is OPEN 8	k
Unit 10528 (2021000000010528)   Unit 11025 (2021000000011025)   Unit 26259 (2021000000026259)   Unit 26260 (202100000026260)		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	k
Unit 10528 (2021000000010528)     Unit 11025 (2021000000011025)     Unit 26259 (2021000000026259)     Unit 26260 (2021000000026260)     Unit 26261 (2021000000026261)		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co	onfirm ", alves,it v	the Valve	e is OPEN 8	<u>k</u>
<ul> <li>□ Unit 10528 (202100000010528)</li> <li>□ Unit 11025 (2021000000011025)</li> <li>□ Unit 26259 (202100000026259)</li> <li>□ Unit 26260 (202100000026260)</li> <li>□ Unit 26261 (202100000026261)</li> <li>□ Unit 26262 (202100000026262)</li> </ul>		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	
Unit 10528 (2021000000010528)     Unit 11025 (2021000000011025)     Unit 26259 (2021000000026259)     Unit 26260 (2021000000026260)     Unit 26261 (2021000000026261)		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	A
<ul> <li>□ Unit 10528 (202100000010528)</li> <li>□ Unit 11025 (2021000000011025)</li> <li>□ Unit 26259 (202100000026259)</li> <li>□ Unit 26260 (202100000026260)</li> <li>□ Unit 26261 (202100000026261)</li> <li>□ Unit 26262 (202100000026262)</li> </ul>		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	A.
Unit 10528 (202100000010528)     Unit 11025 (202100000011025)     Unit 26259 (202100000026259)     Unit 26260 (202100000026260)     Unit 26261 (202100000026261)     Unit 26262 (202100000026262)     Unit 26299 (202100000026299)		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	k
Unit 10528 (202100000010528)     Unit 11025 (202100000011025)     Unit 26259 (202100000026259)     Unit 26260 (202100000026260)     Unit 26261 (202100000026261)     Unit 26262 (202100000026262)     Unit 26299 (202100000026299)     Unit 26300 (202100000026300)		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	<b>x</b>
<ul> <li>Unit 10528 (202100000010528)</li> <li>Unit 11025 (2021000000011025)</li> <li>Unit 26259 (202100000026259)</li> <li>Unit 26260 (202100000026260)</li> <li>Unit 26261 (202100000026261)</li> <li>Unit 26262 (202100000026262)</li> <li>Unit 26299 (202100000026299)</li> <li>Unit 26300 (202100000026300)</li> <li>Unit 26301 (202100000026301)</li> </ul>		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	k
<ul> <li>Unit 10528 (2021000000010528)</li> <li>Unit 11025 (2021000000011025)</li> <li>Unit 26259 (2021000000026259)</li> <li>Unit 26260 (2021000000026260)</li> <li>Unit 26261 (2021000000026261)</li> <li>Unit 26262 (2021000000026262)</li> <li>Unit 26299 (202100000026299)</li> <li>Unit 26300 (202100000026300)</li> <li>Unit 26301 (202100000026301)</li> <li>Unit 26302 (202100000026302)</li> </ul>		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	k
<ul> <li>Unit 10528 (2021000000010528)</li> <li>Unit 11025 (2021000000011025)</li> <li>Unit 26259 (2021000000026259)</li> <li>Unit 26260 (2021000000026260)</li> <li>Unit 26261 (2021000000026261)</li> <li>Unit 26262 (2021000000026262)</li> <li>Unit 26299 (2021000000026299)</li> <li>Unit 26300 (202100000026300)</li> <li>Unit 26301 (202100000026301)</li> <li>Unit 26302 (202100000026302)</li> <li>Unit 26303 (202100000026303)</li> </ul>		Hydraulic (	Configura	tion anyv v. On Grov	vhere. It is vSphere >>	only to " co Remote V	onfirm ", alves,it v	the Valve	e is OPEN 8	





## Continue mapping all Digital Outputs are connected to RTU

Form1

Read Database	Loa	d Hydraulic Model			Digital Outp	uts	Digital Inputs		Al+Serial	Utilities
dionet Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus	Mapped	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy	<u> </u>					Addresses	Device Type		ID	Auto Modbus Mapping
Base (202100000008610)		Banana 1	Unit 09279	1	3	6   10053   0	Valve 1	1	1	
unit 09279 (2021000000009279)	►		Unit 09279	2	3	7   10007   0		0	0	configuration
- 0-202			Unit 09279	2	4	8   10008   0		0	0	
<b>□</b> 1-207			Unit 09279	3	3	9   10009   0		0	0	Load Previous System
			Unit 09279	3	4	10   10010   0		0	0	
			Unit 09292	1	3	1   10001   0		0	0	
			Unit 09292	2	3			0	0	
□- 2-208 					3	2   10002   0		-		
- 2-DI			Unit 09292	2	4	3   10003   0		0	0	
			Unit 09292	3	3	4   10004   0		0	0	
4-DO Pomo 3			Unit 09292	3	4	5   10005   0		0	0	
<b>⊞</b> 3-208	<							-		
🖳 Unit 09292 (202100000009292)	Devie	e Parameters		Colort Do		- 45-10				
🖶 Unit 09687 (2021000000009687)					vice to Allocate to	o this IO				
⊞ Unit 10489 (2021000000010489)	IO Typ	)e	Digital Output	Valve 2 Valve 3				^		
⊕ Unit 10528 (2021000000010528)	RTU		Unit 09279	Valve 3 Valve 4						
Unit 11025 (2021000000011025)	IO Nu	mber	3	Valve 5						
■ Unit 26259 (2021000000026259)	Mainli	ne	Main Line 1	Valve 6						
Unit 26260 (2021000000026260)	Device	N I a marcina di C		Valve 8						
Unit 26261 (2021000000026261)     Unit 26262 (2021000000026262)	Flow	- Nume	Banana 2	Valve 9 Valve 10						
Unit 26299 (202100000026299)		-	0	Valve 10						
Unit 26300 (2021000000026300)	Area	1	0	Valve 12						
Unit 26301 (202100000026301)	Flow i	ndicator		Valve 13 Valve 14						
Unit 26302 (2021000000026302)	Unit	[		Valve 15						
Unit 26303 (2021000000026303)	Card	L		Valve 16					Attach	
	Input	L		Valve 18						
Unit 26305 (2021000000026305)			reset indication	✓ Valve 19 Valve 20					Dettach	
+ one 20000 (202100000020000)										Save and Export

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# If there are Digital Input, Analog Inputs on RTU, Click on relevant Tab to assign it.

		d Hydraulic Model			Digital Outp	outs	Digital Inputs		Al+Serial	0.01
onet Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy	^   <b>&gt;</b>	Flow indicator 1	Unit 09279	1	1	10053   30644		1	31	Auto Modbus Mappi
⊕ Base (202100000008610) ⊕ Unit 09279 (2021000000009279)			Unit 09279	1	2	10054   30646		0	0	configuration
			Unit 09279	2	1	10055   30648	·	0	0	
□ 1-207			Unit 09279	2	2	10056   30650	·	0	0	Load Previous Syste
- 1-DI Flow indicator 1				3			·	0		
2-DI			Unit 09279	-	1	10057   30652		-	0	
			Unit 09279	3	2	10058   30654	·	0	0	
<u>□</u> • 2-208			Unit 09292	1	1	10047   30632	I	0	0	
			Unit 09292	1	2	10048   30634		0	0	
- 2-DI - 3-DO Banana 2			Unit 09292	2	1	10049   30636		0	0	
- 4-DO Pomo 3			Unit 09292	2	2	10050   30638		0	0	
I 3-208	<			- -	1.			-	· · · · · ·	
									/	
unit 09687 (2021000000009687)										
■ Unit 10489 (2021000000010489)										
• Unit 10528 (2021000000010528)										
🗄 Unit 11025 (2021000000011025)										
⊕ Unit 26260 (2021000000026260)										
Unit 26261 (202100000026261)										
Unit 26262 (2021000000026262)										
unit 26299 (2021000000026299)										
■ Unit 26300 (202100000026300)										
Unit 26303 (202100000026303)										
Unit 26304 (202100000026304)										
										Save and Export



# Click Digital Inputs Tab and Proceed to add Digital Input, select Mainline, Enter Device name etc, and click Attach Device Name (WM 1 here and associated with DI)

Read Database	Load	Hydraulic Model			Digital Outp	ıts	Digital Inputs		Al+Serial	Utilities
ionet Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
Radionet Net test 22 Nov-Copy	^	Flow indicator 1	Unit 09279	1	1	10053   30644		1	31	Auto Modbus Mapping
Base (202100000008610)			Unit 09279	1	2	10054   30646		0	0	configuration
Unit 09279 (202100000009279)			Unit 09279	2	1	10055   30648		0	0	
□ 1-207			Unit 09279	2	2	10056   30650		0	0	Load Previous System
- 1-DI Flow indicator 1			Unit 09279	3	1	10057   30652		0	0	
<b>2-D</b> I			Unit 09279	3	2	10058   30654		0	0	
				1	1			0	0	
⊡ 2-208 - 1-DI			Unit 09292	1	1	10047   30632		-		
- 2-DI			Unit 09292	1	2	10048   30634		0	0	
			Unit 09292	2	1	10049   30636		0	0	
- 4-DO Pomo 3			01111 03232	tach		10050   30638		0	0	
± <sup></sup> 3-208	<	1			1 To Disitelland			1-	>	
Unit 09292 (202100000009292)	Device	Parameters	^	Attach Water meter	T To Digitalinput?	nis IO				
≝ Unit 09687 (2021000000009687) ≝ Unit 10489 (2021000000010489)					_	1				
Unit 10528 (2021000000010528)	ІО Тур	2	Digital Inpu	Yes	No					
Unit 11025 (2021000000011025)	RTU		Unit 09279							
Unit 26259 (2021000000026259)										
Unit 26260 (2021000000026260)	IO Nur	nber i	2							
■ Unit 26261 (2021000000026261) ■ Unit 26262 (2021000000026262)	Mainlir									
	Wallin		Main Line 1							
■ Unit 26300 (2021000000026300)	Device	Name 🛛	WM 1							
Unit 26301 (2021000000026301)										
unit 26302 (2021000000026302)	Pulse R	ate	10							
Unit 26303 (2021000000026303)								_	A11-1	
≝ Unit 26304 (2021000000026304) ≝ Unit 26305 (2021000000026305)									Attach	
⊕ Unit 26306 (202100000026305)     ⊕ Unit 26306 (2021000000026306)	<b>,</b>								Dettach	Save and Export



## After all I/Os devices are assigned , Click "Save and Export". A message will Appear "Saved to CSV". Click OK

Read Database	Load	Hydraulic Model			Digital Outpu	uts	Digital Inputs	A	l+Serial	Utilities
net Net test 22 Nov-Copy	~	Name	Unit Name	IO Card	IO Address	Modbus Addresses	Mapped Device Type	Main Line	Device Typ ^	Open Polenet
adionet Net test 22 Nov-Copy		Flow indicator 1	Unit 09279	1	1	10053   30644	Flow indicator 1	1	31	Auto Modbus Mappin
⊪ Base (202100000008610) ⊪ Unit 09279 (2021000000009279)	•	WM 1	Unit 09279	1	2	10054   30646	Water meter 1	1	18	configuration
- 0-202			Unit 09279	2	1	10055   30648		0	0	
⊑ 1-207			Unit 09279	2	2	10056   30650		0	0	Load Previous System
- 1-DI Flow indicator 1			Unit 09279	3	1	10057   30652		0	0	
2-DI WM 1			Unit 09279	3	2	·		0	0	
				3		10058   30654		-		
<u>⊕</u> 2-208			Unit 09292	1	1	10047   30632		0	0	
ia 3-208 Unit 09292 (2021000000009292)			Unit 09292	1	2	10048   30634		0	0	
Unit 09687 (202100000009292)			Unit 09292	ОК	× –	10049   30636		0	0	
Unit 10489 (2021000000010489)			Unit 09292	U.N.		10050   30638		0	0	
Unit 10528 (2021000000010528)	<							-	- · · ·	
Unit 11025 (2021000000011025)	Device	Parameters		= 🕕 s	aved To CSV	o this IO				
Unit 26259 (2021000000026259)	Device	Faranieters			- U					
Unit 26260 (2021000000026260)	IO Type	e C	igital Input		ОК					
Unit 26261 (2021000000026261)					<u> </u>					
Unit 26262 (2021000000026262) Unit 26299 (2021000000026299)	RTU	U	nit 09279							
Unit 26300 (2021000000026300)	IO Nun	nber 2								
Unit 26301 (2021000000026301)										
Unit 26302 (2021000000026302)	Mainlin	e 🛛 🕅	lain Line 1	~						
Unit 26303 (2021000000026303)										
Unit 26304 (2021000000026304)	Device	Name <sub>W</sub>	/M 1							
Unit 26305 (202100000026305)	Pulse R	ate								
Unit 26306 (2021000000026306)		ate 1	J							
Unit 26307 (2021000000026307) Unit 26308 (2021000000026308)									Attach	
Unit 26309 (2021000000026309)										
									Dettach	Save and Export



#### After save csv, Go to PoleNet Application & Disconnect the system. Click on "Edit System in PoleNet" & Select last activated system & Activate again & Connect PoleNet.

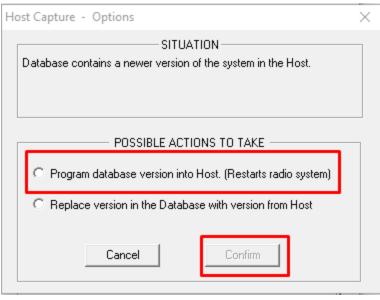
🧬 PoleNet (Agile Host v3 - connected)	– 🗆 X
PC Connection	
Configure Connection	Disconnect
Activated System in P	oleNet
System: Radionet Net test 22 Nov Version: 20230313_170819	
Edit Systems in PoleNet	
Agile Host v3- System: Radionet Net test 22 Nov Version: 20230313_170819 Monitor	Route Table
Agile System in Host	
Configure Modbus	System
About	Exit

System Type	System	RTUs	PoleNet Status	Database Status	Modify Status	Last Modified Time
Agile (MODBUS)	Pressure Sensor test 15 Feb	2				2023-02-15 21:30:45
Agile (MODBUS)	Radionet Net test 22 Nov	21	Active (20230313	Last activated		2023-03-13 17:08:19
Agile (MODBUS)	RadioNet Q3	3				2023-02-23 17:53:26
Agile (MODBUS)	Sergio	5				2023-02-20 17:52:07



## System will ask to Re-load the modified system? Click "Yes". Then system will ask to Select "Program database version into Host" and Confirm

	System	RTUs	PoleNet Status	Database Status	Modify Status	Last Modified Time					
Agile (MODBUS) Agile (MODBUS) Agile (MODBUS) Agile (MODBUS)	Pressure Sensor test 15 Feb         2         2023-02-15 21:30:45           Radionet Net test 22 Nov         21         Active (20230313         Last activated         Newer         2023-03-17 22:08:54           RadioNet Q3         3         2023-02-17 22:08:54         2023-02-317:53:26         2023-02-317:53:26           Sergio         5         2023-02-20 17:52:07         2023-02-20 17:52:07										
	Exportine Re-	? Re-	n load the modified Ay dionet Net test 22 No		-						







#### After CSV Upload able to see details in PoleNet System in "Mapping View" section.

🔊 Agile System: Radionet Net test 22 Nov, using MODBUS

Modb	Bit Out	Bit In	Word	Word	Unit	Card	10	10 T	Param Playb
1	1		40001		2021000000009292	1 (207)	3 (Pomo 3)	DO	desired
2	2		40001		2021000000009292	2 (208)	3 (Apple 1)	DO	desired
3	3		40001		2021000000009292	2 (208)	4 (Apple 2)	DO	desired
4	4		40001		2021000000009292	3 (208)	3 (Apple 3)	DO	desired
5	5		40001		2021000000009292	3 (208)	4 (Kiwi 1)	DO	desired
6	6		40001		2021000000009279	1 (207)	3 (Banana 1)	DO	desired
7	7		40001		2021000000009279	2 (208)	3 (Banana 2)	DO	desired
8	8		40001		2021000000009279	2 (208)	4 (Banana 3)	DO	desired
9	9		40001		2021000000009279	3 (208)	3 (Pomo 1)	DO	desired
10	10		40001		2021000000009279	3 (208)	4 (Pomo 2)	DO	desired
11	11		40001		2021000000009687	1 (307)	1 (Kiwi 2)	DO	desired
12	12		40001		2021000000009687	1 (307)	2 (Kiwi 3)	DO	desired
13	13		40001		2021000000010528	1 (307)	1 (Vegitable 3)	DO	desired
14	14		40001		2021000000010528	1 (307)	2 (Vegitable 4)	DO	desired
15	15		40001		2021000000026309	1 (207)	3	DO	desired
16	16		40001		2021000000010489	1 (307)	1 (Vegitable 1)	DO	desired
17	17		40002		2021000000010489	1 (307)	2 (Vegitable 2)	DO	desired
18	18		40002		2021000000026299	1 (207)	3 (DC 1)	DO	desired
19	19		40002		2021000000026300	1 (207)	3 (DC 2)	DO	desired
20	20		40002		2021000000026300	2 (208)	3 (DC 3)	DO	desired
21	21		40002		2021000000026300	2 (208)	4 (DC 4)	DO	desired
22	22		40002		2021000000026260	1 (207)	3 (Vegi 6)	DO	desired
23	23		40002		2021000000026302	1 (207)	3	DO	desired
24	24		40002		2021000000026302	2 (208)	3	DO	desired
25	25		40002		2021000000026302	2 (208)	4	DO	desired
26	26		40002		2021000000026259	1 (207)	3 (Vegitable 5)	DO	desired
27	27		40002		2021000000026301	1 (207)	3 (DB Fk)	DO	desired
28	28		40002		2021000000026301	2 (208)	3 (MV Fruit & Vegi)	DO	desired
29	29		40002		2021000000026301	2 (208)	4 (Fruit and Vegi)	DO	desired
30	30		40002		2021000000026308	1 (207)	3	DO	desired
31	31		40002		2021000000026308	2 (208)	3	DO	desired
32	32		40002		2021000000026308	2 (208)	4	DO	desired
33	33		40003		2021000000026261	1 (207)	3 (Vegi 7)	DO	desired
34	34		40003		2021000000026307	1 (207)	3	DO	desired
35	35		40003		2021000000026307	2 (208)	3	DO	desired
36	36		40003		2021000000026307	2 (208)	4	DO	desired
37	37		40003		2021000000026262	1 (207)	3 (Vegi 8)	DO	desired
38	38		40003		2021000000026306	1 (207)	3	DO	desired
39	39		40003		2021000000026306	2 (208)	3	DO	desired
40	40		40003		2021000000026306	2 (208)	4	DO	desired
41	41		40003		2021000000026304	1 (207)	3	DO	desired
42	42		40003		2021000000026303	1 (207)	3	DO	desired
43	43		40003		2021000000026305	1 (207)		DO	desired

 Refer to Earlier Slides for name of the IO device





## Go to GrowSphere Screen , Under "Communication" select "RadioNet Allocation" and click on "Start Allocation"

Gr	owSphere™ ™	Farm	Mainline 3	•	Settings			SD Th	uu 13 Jul 2023 18:09:12	((:-
습	Con	figuration	Local 1	/0	Remote I/	0	Communication	ı	Wiring Diagram	
备	SingleN	let Allocation	RadioNet A	location	NetRTU (GW) Al	location	Weather Station	1		
٥°	RS-485 -	- Serial port (port	1)	Modbus ID	1	Export Hy	draulic model		Start Allocation	
(NPK)	RTU S.N.	#ID	Status	Name	FW ver.					
000										
Ţ										
<b>(</b>										

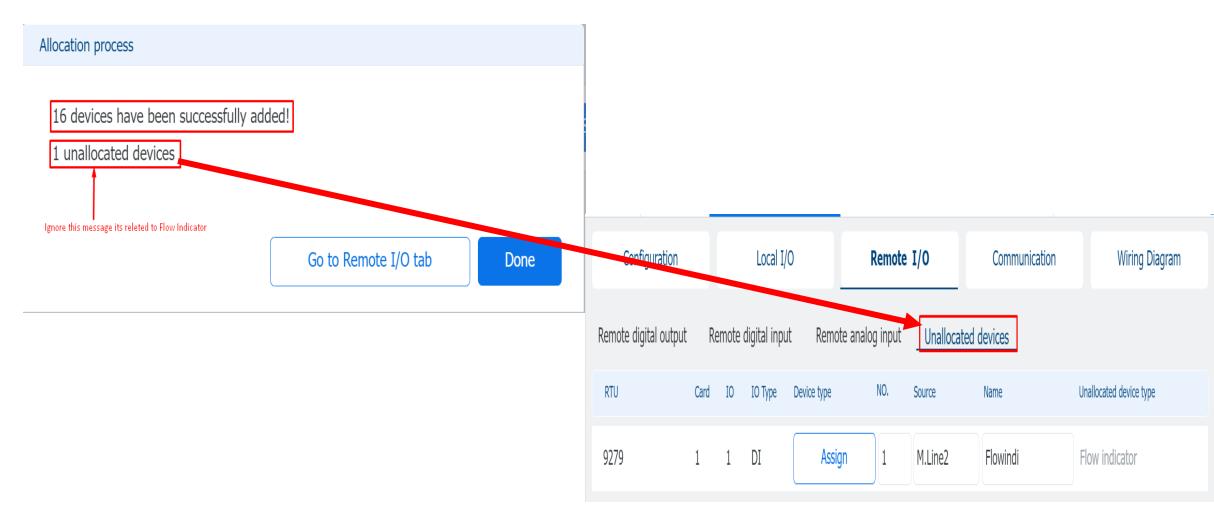


## Confirm all CSV files are detected. Click on "Overwrite existing devices.

RadioNet Allocation	
Files Detect :	
⊘ DI CSV file  ⊘ DO CSV file  ⊘ AI CSV f	file 🕢 Info CSV file
Add to existing devices Overwrite existing	g devices       Cancel     Allocate



## After allocation process , all devices successfully added. Click on "Go to Remote I/O Tab"



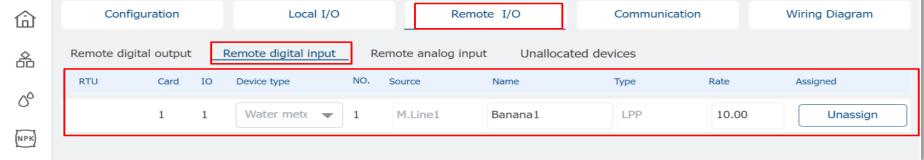


### After Allocation done, we can see the RadioNet RTU Status.

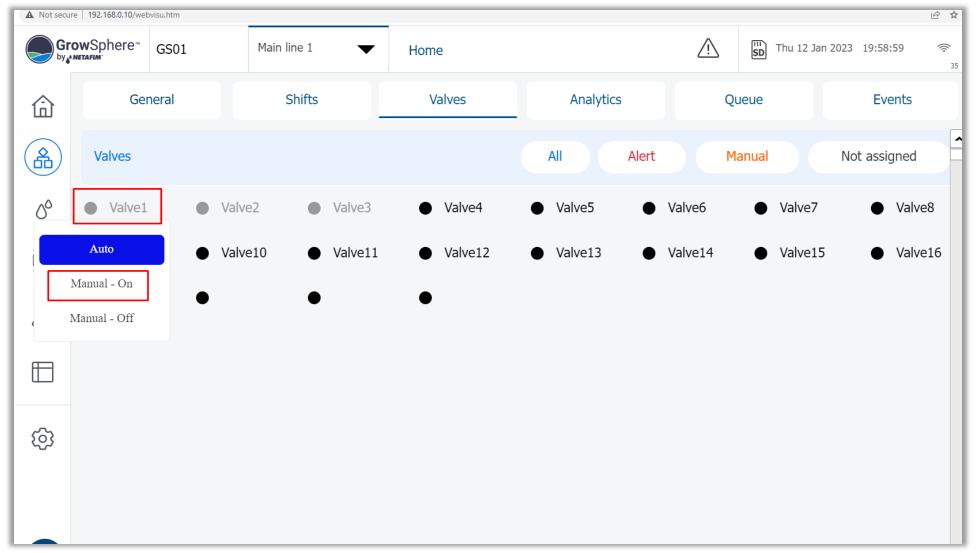
Gro	owSphere™ netafim™	Farm	Mainline 3	•	Settings	4	Thu 13 Jul 2023 18:14:13
命	Con	figuration	Loca	I I/O	Remote I/O	Communication	n Wiring Diagram
备	SingleN	et Allocation	RadioNet	Allocation	NetRTU (GW) Allocation	Weather Station	1
00	RS-485 -	· Serial port (port	1)	Modbus ID	1 Export	Hydraulic model	Unassign
(NPK)	RTU S.N.	#ID	Status	Name	FW ver.		Refresh
Þ	21900000	00000000 0	Connected	AgileHostl	Unit 3.29		
080	20210000	00008575 0	Connected	Base	2.74		
Ţ	20210000	00026300 212	Connected	Unit26300	) 2.74		
Ħ	20210000	00010489 174	Connected	Unit10489	2.74		
	20210000	00026302 220	Connected	Unit26302	2 2.74		

## Check all I/O s are appeared.

Gro	wSphere"	Farm		All Mainlines	-	Settings		<b>A</b>	SD Thu 13	3 Jul 2023 18:19:35 🔶
습	Con	ifiguration		Local I/O		Remo	te I/O	Communication		Wiring Diagram
备	Remote d	igital output	F	emote digital input	Rei	mote analog inpu	it Unalloca	ated devices		
00	RTU	Card	IO	Device type	NO.	Source	Name	Flow	Area (ha)	Assigned
(NPK)	26300	1	3	Valve	3	M.Line3	Valve3	10.0 m³/h	0.00	Unassign
5	26300	2	3	Valve	4	M.Line3	Valve4	10.0 m³/h	0.00	Unassign
<u></u>	26300	2	4	Valve	5	M.Line3	Valve5	10.0 m³/h	0.00	Unassign
	10489	1	1	Valve	] 1	M.Line3	Valve1	10.0 m³/h	0.00	Unassign
	10489	1	2	Valve	2	M.Line3	Valve2	10.0 m³/h	0.00	Unassign
	26302	1	3	Pump	] 1	M.Line3	Pump1	10.0 m³/h	-	Unassign
命	C	onfiguration		Local I/C	D	Rem	ote I/O	Communication		Wiring Diagram
斋	Remote digital output Remote digital input Remote analog input Unallocated devices									



## To test Valve operations from UI. Click on any Valve and Click on "Manual On"





## Check Valve state is changed to "M"(Manual) & "P"(Pending). "P" will disappear, Valve will turn Green when Status Changes to 1 in PoleNet





## "M"(Manual -ON) Valve which is associated with Flow Indicator "P" (Pending) sign will be disappeared when flow indicator switch "ON"

