Liquid System Definitions	
Name	**Description**
EMHD	Electromagnetic HD Module
EMFS	Electromagnetic FlowSense Module
Control Pair	EMHD and EMFS controlling together
Row Monitoring EMFS	only monitoring flow on the row
Turbines Removed HD	vApplyHD with turbines removed
Gen 2 Rate Control Module	teardrop style RCM with pressure ports
Gen 3 Rate Control Module	New style RCM for Gen 3 w/ Liquid Pressure Module

Lquid systems Compatibility on Gen 2 vs. Gen 3

System	Gen 2 20\20 compatibility	Gen 3 20\|20 Compatibility	Software requirement	Other Requirements
Row Flow Liquid	X			
Aux FlowSense	X	X		
CAN FLowSense	X	X		
EM FlowSense		X	2023.0.0	
vApplyHD RxR	X	X		
vApplyHD Section Control	X (requires monitoring FlowSense)	X		
vApply Base (pump control only)		X		
Gen 2 Rate Control Module	X (must be plugged into PDM)	X		
Gen 3 Rate Control Module		X	2023.0.0	
Liquid Pressure Module		X	2023.0.0	Must be paired with RCM
EMHD RxR		X	2023.0.0	
EMHD Section Control		X	2023.0.0	

Liquid system Jumper requirements

Number of Products	1st System Type	2nd system	# of jumper color	1st color location	2nd color location	3rd Color	4th color
1	EMFS Monitoring		1	EMFS			
1	Standard vApplyHD		1	vApply HD			
1	Turbines Removed w/ EMFS RxR		1	both modules need own jumper			
1	EMHD RxR		1	both modules need own jumper			
1	Turbines Removed w/ EMFS Section Control		2	control pair (HD & EMFS Pair)	RXR monitoring EMFS		
1	EMH Section Control		2	Control pair (EMHD & EMFS Pair)	RXR monitoring EMFS		
2	EMHD RXR	EMHD RxR	2	1st control pair	2nd control pair		
2	EMHD RXR	Standard HD RxR	2	EMHD control pair	Standard HD		
2	Turbines removed RXR	Standard HD RxR	2	Turbines reomoved Control Pair	Standard HD		
2	EMHD RXR	EMHD Section control	3	1st EMHD control Pair	2nd EMHD Control Pair	RXR monitoring on section product	
2	Turbines Removed RXR	EMHD Section Control	3	Turbines reomoved Control Pair	EMHD control pair	RXR monitoring on section product	
2	EMHD section Control	Standard vApply HD RxR	3	EMHD control pair	Standard HD	RXR monitoring on section product	
2	EMHD Section Control	EMHD Section control	4	1st EMHD Control Pair	2nd EMHD Control Pair	1st RXR Monitoring EMFS	2nd RxR Monitoring EMFS
2	Turbines Removed HD Section Control	Turbines Removed HD Section Control	4	1st Turbines Removed Control Pair	2nd Turbines Removed Control Pair	1st RXR Monitoring EMFS	2nd RxR Monitoring EMFS
2	EMHD Section Control	Turbines Removed HD Section Control	4	EMHD Control pair	Turbines Removed Control Pair	1st RXR Monitoring EMFS	2nd RxR Monitoring EMFS

note: The jumper colors do not need to be used in color order, this just denotes an example of color used in each situation.