MODBUS Table – HOSPIVAC PROCOM-2
Parameters COM

Parameters	Word number	Bit	List of choice
General			
Number of pumps	%MW601	no	
Pump A order	%MW602	no	0=C / 1=F / 2=M
Pump B order	%MW603	no	0=C / 1=F / 2=M
Pump C order	%MW604	no	0=C / 1=F / 2=M
Pump D order	%MW605	no	0=C / 1=F / 2=M
Pump E order	%MW606	no	0=C / 1=F / 2=M
Pump F order	%MW607	no	0=C / 1=F / 2=M
Pump A hour meter	%MW700*32768+%MW701	no	Hours
Pump B hour meter	%MW702*32768+%MW703	no	Hours
Pump C hour meter	%MW704*32768+%MW705	no	Hours
Pump D hour meter	%MW706*32768+%MW707	no	Hours
Pump E hour meter	%MW708*32768+%MW709	no	Hours
Pump F hour meter	%MW710*32768+%MW711	no	Hours
Permutation	%MW672	no	0=Cyclic / 1=Cumulative 2=Not present
Permutation Time	%MW670	no	Hours
Regulation Type	%MW609	no	0=Flexo1 / 1=Flexo2 2=TOR
Constant vacuum SV	%MW650	no	0= by pump 1=common / 2=nothing
Flexo time	%MW610	no	Minutes
Upper limit backup time	%MW611	no	Minutes
Pump operation delay time	%MW612	no	Seconds
Pump stopping delay time	%MW613	no	Seconds
Flexo SV stop delay time	%MW614	no	Seconds
Disjunction fault acknowledgement time	%MW615	no	Seconds
Anti-freeze operation	%MW608	2	0=no / 1=yes
Inactive operation	%MW608	3	0=no / 1=yes
Inactive time	%MW618	no	Hours
Forced operation time	%MW619	no	Minutes
Undervoltage alarm threshold	%MW643	no	Volt
Overvoltage alarm threshold	%MW644	no	Volt
Overcurrent alarm threshold	%MW645	no	Amp
Pressure			
Pump stop threshold	%MW712	no	Pressure unit
1st Pump threshold	%MW713	no	Pressure unit
2nd Pump threshold	%MW714	no	Pressure unit
3rd Pump threshold	%MW715	no	Pressure unit
Regulation alarm threshold	%MW716	no	Pressure unit
High network alarm threshold	%MW717	no	Pressure unit
High network alarm management	%MW608	8	0=no / 1=yes
Low network alarm threshold	%MW718	no	Pressure unit
Sensor type	%MW608	9	0= 1100 / 1= -1000
Unit of pressure	%MW653	no	0=mbar / 1=mmHg 2=inHg / 3=kPa
C1V sensor presence	%MW608	10	0=no / 1=yes
Regulation sensor	%MW608	11	0=C1V / 1=C2V

Parameters	Word number	Bit	List of choice
Filter clogging threshold	%MW655	no	Pressure unit
Filter clogging delay time	%MW656	no	Minutes
Temperature			
Fan	%MW657	no	Temperature unit
High temperature pump pre-alarm	%MW660	no	Temperature unit
High temperature pump alarm	%MW661	no	Temperature unit
Low temperature pump alarm	%MW663	no	Temperature unit
High temperature room alarm	%MW664	no	Temperature unit
Low temperature room alarm	%MW665	no	Temperature unit
High temperature delta	%MW667	no	Temperature unit
Pump A temperature management	%MW649	0	0=no / 1=yes
Pump B temperature management	%MW649	1	0=no / 1=yes
Pump C temperature management	%MW649	2	0=no / 1=yes
Pump D temperature management	%MW649	3	0=no / 1=yes
Pump E temperature management	%MW649	4	0=no / 1=yes
Pump F temperature management	%MW649	5	0=no / 1=yes
Temperature unit	%MW608	13	0=°C / 1=°F
Temperature response time	%MW669	no	Second
Fault			
Pump A temperature pre-alarm	%MW680	0	0=Inactive / 1=Active
Pump B temperature pre-alarm	%MW680	1	0=Inactive / 1=Active
Pump C temperature pre-alarm	%MW680	2	0=Inactive / 1=Active
Pump D temperature pre-alarm	%MW680	3	0=Inactive / 1=Active
Pump E temperature pre-alarm	%MW680	4	0=Inactive / 1=Active
Pump F temperature pre-alarm	%MW680	5	0=Inactive / 1=Active
Pump A disjunction fault	%MW682	0	0=Inactive / 1=Active
Pump B disjunction fault	%MW682	1	0=Inactive / 1=Active
Pump C disjunction fault	%MW682	2	0=Inactive / 1=Active
Pump D disjunction fault	%MW682	3	0=Inactive / 1=Active
Pump E disjunction fault	%MW682	4	0=Inactive / 1=Active
Pump F disjunction fault	%MW682	5	0=Inactive / 1=Active
'A' Oil level fault	%MW682	6	0=Inactive / 1=Active
'B' Oil level fault	%MW682	7	0=Inactive / 1=Active
'C' Oil level fault	%MW682	8	0=Inactive / 1=Active
'D' Oil level fault	%MW682	9	0=Inactive / 1=Active
'E' Oil level fault	%MW682	10	0=Inactive / 1=Active
'F' Oil level fault	%MW682	11	0=Inactive / 1=Active
Pump A high temperature fault	%MW682	12	0=Inactive / 1=Active
Pump B high temperature fault	%MW682	13	0=Inactive / 1=Active
Pump C high temperature fault	%MW682	14	0=Inactive / 1=Active
Pump D high temperature fault	%MW682	15	0=Inactive / 1=Active
Pump E high temperature fault	%MW683	0	0=Inactive / 1=Active
Pump F high temperature fault	%MW683	1	0=Inactive / 1=Active

Parameters	Word number	Bit	List of choice
Pump A low temperature fault	%MW683	2	0=Inactive / 1=Active
Pump B low temperature fault	%MW683	3	0=Inactive / 1=Active
Pump C low temperature fault	%MW683	4	0=Inactive / 1=Active
Pump D low temperature fault	%MW683	5	0=Inactive / 1=Active
Pump E low temperature fault	%MW683	6	0=Inactive / 1=Active
Pump F low temperature fault	%MW683	7	0=Inactive / 1=Active
Regulation alarm	%MW683	8	0=Inactive / 1=Active
C2V high network alarm	%MW683	9	0=Inactive / 1=Active
C2V low network alarm	%MW683	10	0=Inactive / 1=Active
High temperature alarm	%MW683	11	0=Inactive / 1=Active
Low temperature alarm	%MW683	12	0=Inactive / 1=Active
Filter clogging alarm	%MW683	13	0=Inactive / 1=Active
Upper limit alarm	%MW683	14	0=Inactive / 1=Active
Vacuum switch alarm	%MW683	15	0=Inactive / 1=Active
C1V alarm out of range	%MW684	0	0=Inactive / 1=Active
C2V alarm out of range	%MW684	1	0=Inactive / 1=Active
Ambient temperature alarm out of range	%MW684	2	0=Inactive / 1=Active
Pump A temperature alarm out of range	%MW684	3	0=Inactive / 1=Active
Pump B temperature alarm out of range	%MW684	4	0=Inactive / 1=Active
Pump C temperature alarm out of range	%MW684	5	0=Inactive / 1=Active
Pump D temperature alarm out of range	%MW684	6	0=Inactive / 1=Active
Pump E temperature alarm out of range	%MW684	7	0=Inactive / 1=Active
Pump F temperature alarm out of range	%MW684	8	0=Inactive / 1=Active
Overvoltage alarm	%MW684	9	0=Inactive / 1=Active
Undervoltage alarm	%MW684	10	0=Inactive / 1=Active
Overcurrent alarm	%MW684	11	0=Inactive / 1=Active
All pumps in operation	%MW684	12	0=Inactive / 1=Active
Too high temperature	%MW684	14	0=Inactive / 1=Active
Extension communication fault	%MW681	0	0=Inactive / 1=Active
U/I Station communication fault	%MW681	1	0=Inactive / 1=Active
'A' auxiliary fault	%MW681	2	0=Inactive / 1=Active
'B' auxiliary fault	%MW681	3	0=Inactive / 1=Active
'C' auxiliary fault	%MW681	4	0=Inactive / 1=Active
'D' auxiliary fault	%MW681	5	0=Inactive / 1=Active
'E' auxiliary fault	%MW681	6	0=Inactive / 1=Active
'F' auxiliary fault	%MW681	7	0=Inactive / 1=Active
Inputs			
Return to pump A operation	%MW685	0	0=Inactive / 1=Active
Return to pump B operation	%MW685	1	0=Inactive / 1=Active
Return to pump C operation	%MW685	2	0=Inactive / 1=Active
Return to pump D operation	%MW685	3	0=Inactive / 1=Active
Return to pump E operation	%MW685	4	0=Inactive / 1=Active
Return to pump F operation	%MW685	5	0=Inactive / 1=Active

Parameters	Word number	Bit	List of choice
'A' Oil level or auxiliary fault	%MW685	6	0=Inactive / 1=Active
'B' Oil level or auxiliary fault	%MW685	7	0=Inactive / 1=Active
'C' Oil level or auxiliary fault	%MW685	8	0=Inactive / 1=Active
'D' Oil level or auxiliary fault	%MW685	9	0=Inactive / 1=Active
'E' Oil level or auxiliary fault	%MW685	10	0=Inactive / 1=Active
'F' Oil level or auxiliary fault	%MW685	11	0=Inactive / 1=Active
Backup vacuum switch	%MW685	12	0=Inactive / 1=Active
I14 input	%MW685	13	**Not used**
I15 input	%MW685	14	**Not used**
I16 input	%MW685	15	**Not used**
On/Off outputs			
Pump A operation	%MW686	0	0=Inactive / 1=Active
Pump B operation	%MW686	1	0=Inactive / 1=Active
Pump C operation	%MW686	2	0=Inactive / 1=Active
Pump D operation	%MW686	3	0=Inactive / 1=Active
Pump E operation	%MW686	4	0=Inactive / 1=Active
Pump F operation	%MW686	5	0=Inactive / 1=Active
Pump A Flexo SV	%MW686	6	0=Inactive / 1=Active
Pump B Flexo SV	%MW686	7	0=Inactive / 1=Active
Pump C Flexo SV	%MW686	8	0=Inactive / 1=Active
Pump D Flexo SV	%MW686	9	0=Inactive / 1=Active
Pump E Flexo SV	%MW686	10	0=Inactive / 1=Active
Pump F Flexo SV	%MW686	11	0=Inactive / 1=Active
Low network pressure alarm	%MW686	12	0=Inactive / 1=Active
High network pressure alarm	%MW686	13	0=Inactive / 1=Active
Fan	%MW686	14	0=Inactive / 1=Active
Alarm synthesis	%MW686	15	1=Inactive / 0=Active
Analog inputs			
C1V pressure	%MW687		Pressure unit
C2V pressure	%MW688		Pressure unit
Pump A temperature	%MW689		Temperature unit
Pump B temperature	%MW690		Temperature unit
Pump C temperature	%MW691		Temperature unit
Pump D temperature	%MW692		Temperature unit
Pump E temperature	%MW693		Temperature unit
Pump F temperature	%MW695		Temperature unit
Room temperature	%MW694		Temperature unit
Voltage	%MW696		Volt
Current	%MW697		Am
Power	%MW698		KW
Clogging	%MW699		Pressure unit
Maintenance	%MW27	1	0=Inactive / 1=Active
Pre-maintenance	%MW27	3	0=Inactive / 1=Active