



UN-ECM
SUS PUMP | Galvanized Pipe



UN-CP
Cast Iron PUMP | Galvanized Pipe



UN-CPS
SUS PUMP | SUS Pipe

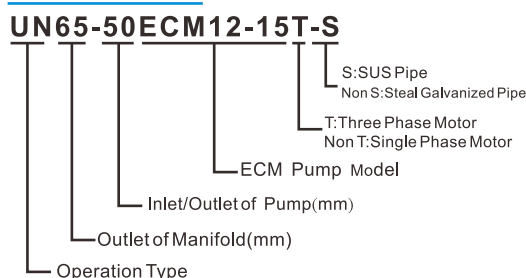
Features:

- The unit can keep water pressure stable, and you can adjust pressure setting on the screen.
- No water hammer. Improve start/off frequency. Smooth operation and low noise.
- The system will adjust motor speed automatically, according to demand of capacity that can save energy and uplift performance.
- Duplex pump with Dual inverter alternating/ Parallel operation design. UN pump set is small that can be convenient transportation and save installation space. The SUS pipe/pump can be customized according to customer requirements to keep it does not rust.

Applications:

- Pressure boosting system of Condominiums, Hotel, Motel, Swimming pool shower facilities, Villa, Restaurants, Parks, Schools, Factories, Shopping centers, Temporary water supply,..etc.

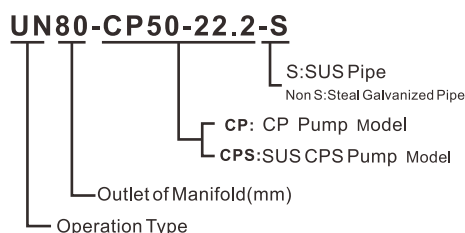
Model Code:



SUS Horizontal Multi-stage Pump ECM Series



2P Motor, 1~5.5HP
Large Capacity, High Head. The contact surface with liquid does not rust.



Close coupled Centrifugal Pump

CP Series



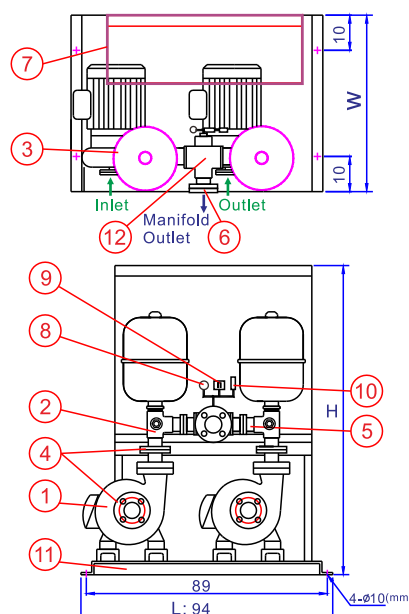
CPS Series



2P Motor, 1~3HP
The motor and pump is coaxial conjoined for saving space. Optimal performance and diverse pump material selection.

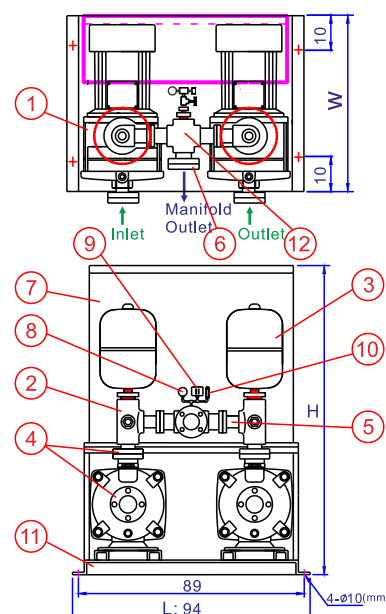
Part Names & Materials:

UN-CP/UN-CPS



Unit: CM

UN-ECM

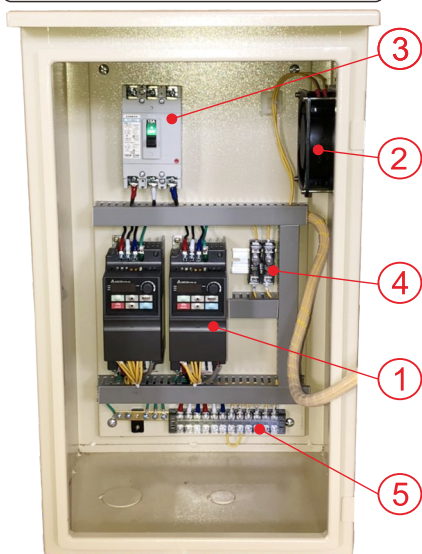


NO.	Name	Std. Material	Sub. Material	NO.	Name	Std. Material	Sub. Material
1	Main Pump	CP: FC200, CPS: SUS304	ECM: SUS304	7	Control Panel	SS400	SUS304
2	Five Way Valve	1" BC, 1.5"~2": SUS304		8	Pressure Gauge	—	—
3	Pressure Tank	CS	SUS304	9	Pressure Switch	—	—
4	Outlet Flange	SS400	SUS304	10	Pressure Sensor	—	—
5	Manifold Pipe	SGP	SUS304	11	Baseplate	SS400	SUS304
6	Manifold Flange	SS400	SUS304	12	Cross/Three Way Pipe	SGP	SUS304

(All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.)

Control Panel Description:

Including 5.5HP and below specifications



Inside Layout

Standard Control Panel

NO.	Part Name
1	Inverter(VFD) (Built-in PID)
2	Fan
3	No fuse breaker
4	Fuse
5	Terminal block

- Standard type: Single door,outdoor type panel.The panel shell is made of steel SS400.
- Stainless steel control panel shell or double door control panel are available upon special request.
- Earth leakage circuit breaker or PLC are optional upon request.



PLC

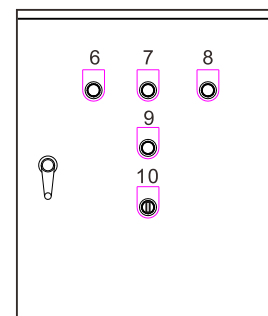


Leakage circuit breaker



Single Door

NO.	Operating
6	No.1 running(Red)
7	Power(White)
8	No.2 running(Red)
9	No.1 Auto/Stop/Man.
10	No.2 Auto/Stop/Man.



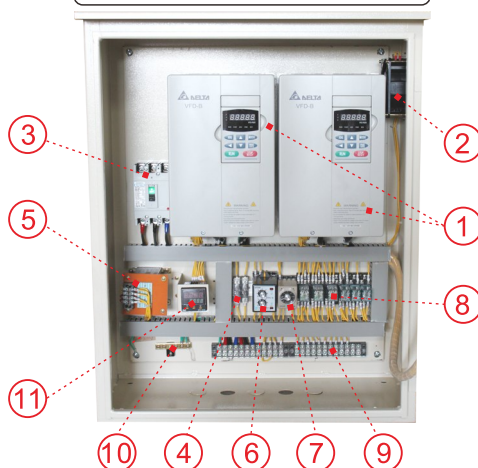
Double Door(With Window)



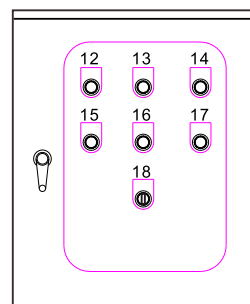
Part No. 11 PID controller(Optional): User can set required pressure on PID easily and accurately. PID can make constant pressure system more stable.

Customized Control Panel

For specifications above 5.5HP



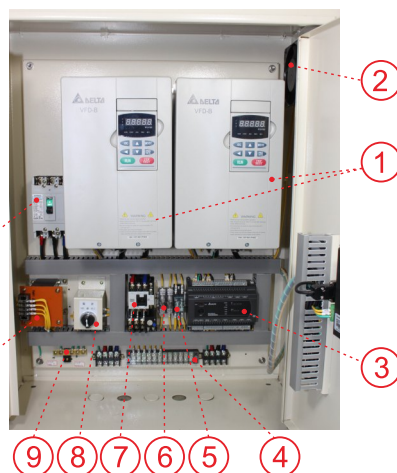
NO.	Part Name
1	Inverter(VFD)
2	Fan
3	No fuse breaker
4	Fuse
5	Transformer



NO.	Part Name
6	Double timer relay
7	Timer relay
8	Auxiliary relay
9	Terminal block
10	Ground wire base
11	PID Controller (optional)

NO.	Operating
12	No.1 running(Red)
13	Power(White)
14	No.2 running(Red)
15	No.1 failure(Yellow)
16	No.1 Auto/Stop/Man.
17	No. 2 failure
18	No.2 Auto/Stop/Man.

With Human Machine Interface(H.M.I.)



NO.	Name
1	Inverter(VFD)
2	Fan
3	PLC
4	Terminal block
5	Auxiliary relay
6	Fuse

NO.	Name
7	Magnetic switch
8	Switch
9	Ground wire base
10	Transformer
11	No fuse breaker
12	H.M.I.

- Double door, outdoor type panel. The panel shell is made of steel SS400.
- Stainless steel control panel shell is available upon special request.
- Users can see the current status of the pump on the screen and set the required data on the touch screen.

Specifications:

Model	Power	Phase	Pump Inlet/outlet dia.	Manifold Outlet Pipe dia.	Pressure Setting	Rated Head	Rated Capacity		Max. Head	Pressure Tank Volume x Q'ty L x pcs	Dimension (cm)		Around Height	Around Weight
	HP	Ø	INCH	INCH	Bar	M	Single pump operation	Double pump operation						
							M ³ /hr	M ³ /hr			L	W		
UN40-25ECM2-40(T)	1	1,(3)	1"	1.5"	3.2~4.2	39	3.0	6.0	50	2L X 2	94	53	100	106
UN40-25ECM2-60(T)	1.5	1,(3)	1"	1.5"	4.2~5.9	54	3.0	6.0	77	2L X 2	94	53	100	108
UN40-25ECM4-20(T)	1	1,(3)	1"	1.5"	1.5~2.4	20	6.0	12	27	2L X 2	94	53	100	106
UN40-25ECM4-30(T)	1.3	1,(3)	1"	1.5"	2.0~3.5	29	6.0	12	41	2L X 2	94	53	100	108
UN40-25ECM4-40(T)	2	1,(3)	1"	1.5"	3.2~5.0	40	6.0	12	56	2L X 2	94	53	100	110
UN40-40ECM8-15(T)	2	1,(3)	1.5"	1.5"	2.0~3.0	26	9.0	18	33	8L X 2	94	53	100	120
UN50-40ECM8-15(T)				2"										
UN65-40ECM8-15(T)				2.5"										
UN50-50ECM8-25(T)	3	1,(3)	2"	2"	3.5~4.5	39	10	20	54	8L X 2	94	Single Phase 60	130	150
UN65-50ECM8-25(T)				2.5"								Three Phase 53	100	138
UN80-50ECM8-25(T)				3"										
UN50-50ECM8-30T	5	3	2"	2"	5.0~5.8	54	10	20	70	8L X 2	94	60	130	170
UN65-50ECM8-30T				2.5"										
UN80-50ECM8-30T				3"										
UN50-50ECM12-10(T)	2	1,(3)	2"	2"	1.6~2.0	18	12	24	25	8L X 2	94	53	100	125
UN65-50ECM12-10(T)				2.5"										
UN80-50ECM12-10(T)				3"										
UN50-50ECM12-15(T)	3	1,(3)	2"	2"	2.8~3.3	30	13	26	38	8L X 2	94	Single Phase 60	130	150
UN65-50ECM12-15(T)				2.5"								Three Phase 53	100	138
UN80-50ECM12-15(T)				3"										
UN50-50ECM12-20T	5	3	2"	2"	3.6~4.4	38	14	28	50	8L X 2	94	60	130	168
UN65-50ECM12-20T				2.5"										
UN80-50ECM12-20T				3"										
UN50-50ECM16-20T	4	3	2"	2"	2.0~3.2	25	20	40	40	8L X 2	94	60	130	166
UN65-50ECM16-20T				2.5"										
UN80-50ECM16-20T				3"										
UN50-50ECM16-30T	5.5	3	2"	2"	2.9~4.4	37	20	40	60	8L X 2	94	60	130	183
UN65-50ECM16-30T				2.5"										
UN80-50ECM16-30T				3"										
With CP type Close-coupled Centrifugal Pump, CPS type Stainless Steel Close-coupled Centrifugal Pump														
UN40-CP40-2.75	1	3	1.5"	1.5"	1.5~2.0	15	9.6	19.2	23	8L X 2	94	53	100	130
UN50-CP40-2.75				2"										
UN65-CP40-2.75				2.5"										
UN50-CP50-21.5	2	3	2"	2"	1.8~2.2	20	13.8	27.6	25	8L X 2	94	53	100	155
UN65-CP50-21.5				2.5"										
UN80-CP50-21.5				3"										
UN50-CP50-22.2	3	3	2"	2"	2.0~3.0	25	18	36	40	8L X 2	94	53	100	170
UN65-CP50-22.2				2.5"										
UN80-CP50-22.2				3"										
UN40-CPS40-2.75	1	3	1.5"	1.5"	1.5~2.0	15	9.6	19.2	23	8L X 2	94	53	100	130
UN50-CPS40-2.75				2"										
UN65-CPS40-2.75				2.5"										
UN50-CPS50-21.5	2	3	2"	2"	1.8~2.2	20	13.8	27.6	25	8L X 2	94	53	100	155
UN65-CPS50-21.5				2.5"										
UN80-CPS50-21.5				3"										
UN50-CPS50-22.2	3	3	2"	2"	2.0~3.0	25	18	36	40	8L X 2	94	53	100	170
UN65-CPS50-22.2				2.5"										
UN80-CPS50-22.2				3"										
Customized Specifications														

Remarks: ● "T" for ECM pump type: Three phase ● Customized design or special specification is available upon request.