

- ⊙ **MC-series: Booster pump system(Simplex pump operation)**
- ⊙ **PC-series: Booster pump system(Duplex pumps operation)**



**PC-CP series**



**PC-ECM series**



**Light weight type**



**MC-ECM series**



**MC-CP series**



**MC-SQD series**

### Applications:

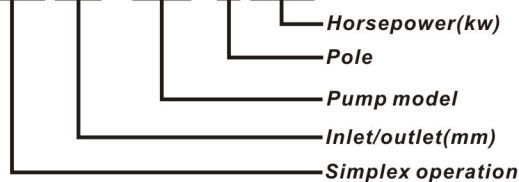
- ⊙ Water supply for construction sites.
- ⊙ Water supply and pressure boosting for sprinkler system of garden, park, stadium,...etc.
- ⊙ Water supply and pressure boosting for plant, supermarket, school, hotel, restaurant,...etc.

### Product Features:

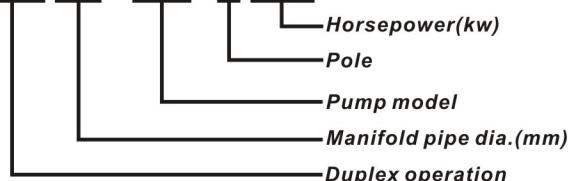
- ⊙ All in one design. Included Water pump, pressure vessel, pipe & valve, pressure switch, panel. All incorporate into one booster pump system.
- ⊙ MC-series: Simplex pump operation way.  
PC-series: Alternative and parallel operation way(Duplex pumps).
- ⊙ Customized design is available upon special request.

### Models:



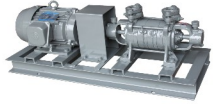

## MC50-CP-22.2



## PC80-CP-23.7




### Adequate pump models:

CP series: Close-coupled centrifugal pump CPS series: Stainless Steel Close-coupled Centrifugal Pump		SQD series: Self-priming centrifugal pumps
 <p>The motor and pump are using same shaft. This will cancel out the fluctuation which will save energy and resource. It is compact size, low noise and great performance.</p>		 <p>It's suction lift is 9M. It is suitable for small pits and underground water. It is compact size and better head performance.</p>
WZ series: Horizontal multistage pumps (High head type)		ECM series: Light-weight Horizontal multistage pumps (Stainless steel type)
 <p>It is multistage impeller design. It matches with 4 pole motor. It is direct-coupled type. It has better suction lift and head performances. It can supply water for skyscrapers or other high buildings.</p>		 <p>Stainless steel multistage impeller design. It provides safe and clean water usage. It is compact size and low operating noise. It is suitable for households and apartments.</p>

Other types of pumps are available upon special demand.

### Adequate pressure vessels:

**Cast iron made pressure tank**



NO	Name
1	Pressure tank
2	Pressure switch
3	Venting valve
4	Pressure gauge
5	Drain valve

**Specification:**  
Capacity: 50L~150L  
Material: SS41; SUS304

It is custom made for pressure more than 10kg/cm<sup>2</sup> automatic booster systems. This is our company patent. It doesn't require pneumatic transmit devices, or other air supply equipments. It can withstand pressure up to 16 kg/cm<sup>2</sup> which can replace normal diaphragm pressure vessels.

**Diaphragm pressure tanks**



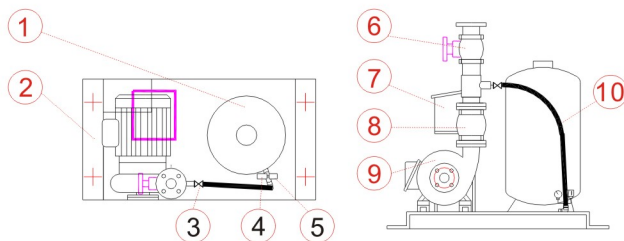
**Vertical Type**

**Horizontal Type**

Standard shell material: SS41 (SUS304 is available upon demand)  
Working pressure: Max. 10kg/cm<sup>2</sup>  
Volume: 8L~100L.  
Joint: 3/4"~1".  
Type: Horizontal, Vertical.

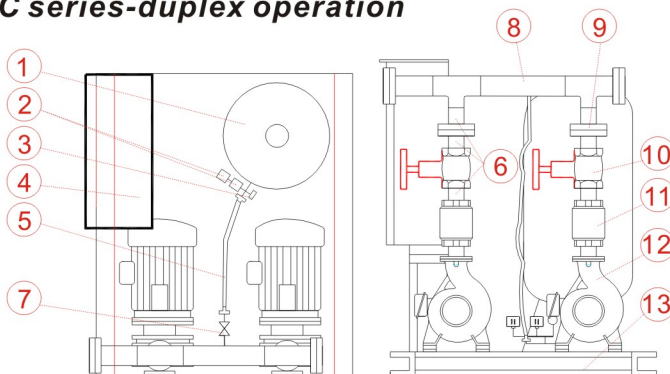
### Structures:

#### MC series-simplex operation



NO	Name	Material	Selectable	NO	Name	Material	Selectable
1	Pressure vessel	SS41	SUS304	6	Gate valve	BC6/FC200	SUS304
2	Base plate	SS41	SUS304	7	Control panel	SS41	SUS304
3	Gate valve	BC6	SUS304	8	Check valve	BC6/FC200	SUS304
4	Pressure switch	--	--	9	Pump	FC200	SUS304
5	Pressure gauge	--	--	10	Hose	R.U.B	--

#### PC series-duplex operation



NO	Name	Material	Selectable	NO	Name	Material	Selectable
1	Pressure vessel	SS41	SUS304	8	Interflow	SS41	SUS304
2	Pressure switch	--	--	9	Flanges	SS41	SUS304
3	Pressure gauge	--	--	10	Gate valve	BC6/FC200	SUS304
4	Control panel	SS41	SUS304	11	Check valve	BC6/FC200	SUS304
5	Hose	R.U.B		12	Pump	FC200	SUS304
6	Outlet	SS41	SUS304	13	Baseplate	SS41	SUS304
7	Gate valve	BC6	SUS304				



### MC series specifications:

Model	Power		Inlet	Outlet	Preset pressure		Rated capacity	Max. capacity	Max. head	Pressure vessel size	Dimensions mm			Weight
	HP	KW			mm	mm					Start	Stop	L	
			Kg/cm <sup>2</sup>	Kg/cm <sup>2</sup>			L/min	L/min	M	L	L	W		H
MC25-ECM2-2.75	1	0.75	25	25	2.8	3.8	60~40	70	50	8	500	350	620	33
MC25-ECM2-21.1	1.5	1.1	25	25	4.1	5.8	60~40	70	75	8	500	350	620	35
MC40-ECM8-21.1	1.5	1.1	40	40	1.7	2.2	170~120	230	28	20	500	350	800	75
MC50-ECM8-21.1			50	50										
MC40-ECM8-21.1	2	1.5	40	40	2.8	3.5	170~120	230	44	20	500	350	800	78
MC50-ECM8-21.5			50	50										
MC40-ECM8-21.8	2.5	1.8	40	40	3.4	4.3	170~120	230	52	20	500	350	800	80
MC50-ECM8-21.8			50	50										
MC40-ECM8-22.2	3	2.2	40	40	4.4	5.7	170~120	230	69	60	940	530	850	90
MC50-ECM8-22.2			50	50										
MC40-ECM8-23.7	5	3.7	40	40	5.1	6.5	170~120	230	78	60	940	530	850	92
MC50-ECM8-23.7			50	50										
MC40-ECM12-21.5	2	1.5	40	40	1.6	2.5	240~170	280	31	20	500	350	800	79
MC50-ECM12-21.5			50	50										
MC40-ECM12-22.2	3	2.2	40	40	3	4	240~170	280	46	60	940	530	850	91
MC50-ECM12-22.2			50	50										
MC40-ECM12-23.7	5	3.7	40	40	3.8	4.8	240~170	280	60	60	940	530	850	93
MC50-ECM12-23.7			50	50										
MC25-SQD-7125	1	0.75	25	25	2.0	3.0	80~60	120	35	20	500	350	700	70
MC40-SQD-7140			40	40	2.0	3.0	120~100	160	35					
MC40-SQD-1540	2	1.5	40	40	3.5	4.5	150~100	180	55	20	500	350	750	85
MC50-SQD-1550			50	50	2.0	3.0	270~200	360	38					
MC40-SQD-2240	3	2.2	40	40	3.8	4.8	150~100	180	65	60	940	530	830	100
MC50-SQD-2250			50	50	3.0	4.0	270~200	360	50					
MC50-SQD-3750	5	3.7	50	50	3.5	4.5	270~200	400	63	60	940	530	900	115
MC80-SQD-3780			80	80	3.0	4.0	450~300	800	50					125
MC40-CP40-2.75	1	0.75	40	40	1.5	2.0	180~150	280	23	20	500	350	650	66
MC40-CP40-21.5	2	1.5	40	40	1.7	2.2	180~150	280	25	20	500	350	700	80
MC50-CP50-21.5			50	50	1.5	2.0	230~200							
MC50-CP50-22.2	3	2.2	50	50	2.5	3.5	250~200	320	40	60	940	530	850	92
MC65-CP65-22.2			65	65	1.5	2.0	420~300	500	23	60	940	530	850	97
MC50-CP50-23.7	5	3.7	50	50	3.0	3.8	280~200	320	43	60	820	600	950	110
MC65-CP65-23.7			65	65	1.5	2.0	650~450	820	26	60	820	600	950	120
MC80-CP80-23.7			80	80	1.5	2.0	700~500	1000						
MC80-CP80-25.5	7.5	5.5	80	80	2.5	3.3	750~550	1100	38	60	820	600	1200	155
MC80-CP80-27.5	10	7.5	80	80	4.0	5.0	550~450	800	60	60	820	600	1200	165
MC80-CP80-211	15	11	80	80	5.0	6.0	630~550	800	74	80	820	600	1350	215
MC80-CP80-215	20	15	80	80	6.5	7.5	630~580	800	83	80	820	600	1350	235
MC40-2WZ3213-45.5	7.5	5.5	40	40	6.0	7.0	100~90	150	100	100	380	1300	1760	170
MC50-2WZ3213-45.5			50	50										175
MC40-3WZ3213-47.5	10	7.5	40	40	8.0	9.0	100~90	150	160	100	380	1300	1760	180
MC50-3WZ3213-47.5			50	50										185
Single phase specifications														
MC25-ECM2-2.75A	1	0.75	25	25	2.0	3.2	65~53	70	51	8	362	210	595	14.5
MC25-ECM4-21.1A	1.5	1.5	25	25	2.2	3.2	135~117	150	54	8	398	210	595	16
Special customized specifications														

**PC series specifications:**

Model	Power		Pump Inlet/ Outlet	Manifold Pipeline Dia.	Preset pressure		Parallel operation rated capacity	Parallel operation max. capacity	Max. head	Pressure vessel	Dimensions mm			Weight				
					Start	Stop												
	HP	KW			mm	mm					Kg/cm <sup>2</sup>	Kg/cm <sup>2</sup>	L/min		L/min	M	L	L
PC40-ECM2-2.75	1	0.75	25	40	2.8	3.8	120~80	140	50	60	910	930	880	117				
PC40-ECM2-21.5	1.5	1.1	25	40	4.8	5.8	120~100	140	75	60	910	930	880	122				
PC40-ECM8-21.1	1.5	1.1	40	40	1.7	2.2	340~240	460	28	60	910	930	880	130				
PC50-ECM8-21.1			40	50														
PC40-ECM8-21.5	2	1.5	40	40	2.8	3.5	340~240	460	44	60	910	930	880	140				
PC50-ECM8-21.5			40	50														
PC40-ECM8-21.8	2.5	1.8	40	40	3.4	4.3	340~240	460	52	60	910	930	880	145				
PC50-ECM8-21.8			40	50														
PC40-ECM8-22.2	3	2.2	40	40	4.4	5.7	340~240	460	69	60	910	930	920	155				
PC50-ECM8-22.2			40	50														
PC40-ECM8-23.7	5	3.7	40	40	5.1	6.5	340~240	460	78	60	910	930	920	160				
PC50-ECM8-23.7			40	50														
PC50-ECM12-21.5	2	1.5	50	50	1.6	2.5	480~340	560	31	60	910	930	920	145				
PC65-ECM12-21.5			50	65														
PC50-ECM12-22.2	3	2.2	50	50	3.0	4	480~340	560	46	60	910	930	980	165				
PC65-ECM12-22.2			50	65														
PC80-ECM12-22.2			50	80														
PC50-ECM12-23.7	5	3.7	50	50	3.8	4.8	480~340	560	60	60	910	930	980	170				
PC65-ECM12-23.7			50	65														
PC80-ECM12-23.7			50	80														
PC25-SQD-7125	1	0.75	25	40	2.0	3.0	160~120	240	35	60	910	930	900	128				
PC40-SQD-7140			40	50	2.0	3.0	240~200	320	35									
PC50-SQD-1540	2	1.5	40	50	3.5	4.5	300~200	360	55	60	910	930	900	160				
PC65-SQD-1550			50	65	2.0	3.0	540~400	720	38									
PC40-SQD-2240	3	2.2	40	40	3.8	4.8	300~200	360	65	60	910	930	980	180				
PC50-SQD-2240			40	50														
PC50-SQD-2250			50	50	3.0	4.0	540~400	720	50				980	190				
PC65-SQD-2250			50	65														
PC50-SQD-3750	5	3.7	50	50	3.5	4.5	540~400	800	63	80	900	1060	1100	240				
PC65-SQD-3750			50	65														
PC80-SQD-3750			50	80														
PC80-SQD-3780			80	80	3.0	4.0	900~600	1660	50				1200	255				
PC100-SQD-3780			80	100														
PC40-CP40-2.75	1	0.75	40	50	1.5	2.0	360~300	560	23	60	910	930	880	120				
PC40-CP40-21.5	2	1.5	40	50	1.7	2.2	360~300	560	25	60	910	930	920	150				
PC50-CP50-21.5			50	50	1.5	2.0	460~400											
PC50-CP50-22.2	3	2.2	50	50	2.5	3.5	500~400	640	40	60	910	930	980	170				
PC65-CP50-22.2			50	65														
PC65-CP65-22.2			65	65	1.5	2.0	840~600	1000	23				1050	180				
PC80-CP65-22.2			65	80														
PC50-CP50-23.7	5	3.7	50	50	3.0	3.8	560~400	640	43	80	900	1060	1100	230				
PC65-CP50-23.7			50	65														
PC65-CP65-23.7			65	65	1.5	2.0	1300~900	1640	26				80	900	1060	1200	245	
PC80-CP80-23.7			80	80			1400~1000	2000										
PC80-CP80-25.5	7.5	5.5	80	80	2.5	3.3	1500~1100	2200	38	80	900	1060	1200	320				
PC100-CP80-25.5			80	100														
PC80-CP80-27.5	10	7.5	80	80	4.0	5.0	1100~900	1600	60	80	900	1060	1200	340				
PC100-CP80-27.5			80	100														
PC80-CP80-211	15	11	80	80	5.0	6.0	1260~1100	1600	74	80/100	1060	1200	1300	435				
PC100-CP80-211			80	100														
PC80-CP80-215	20	15	80	80	6.5	7.5	1260~1100	1600	83	80/100	1100	1400	130	480				
PC100-CP80-215			80	100														
PC50-2WZ3213-45.5	7.5	5.5	40	50	6.0	7.0	200~180	300	100	100	1100	1300	1760	345				
PC50-3WZ3213-47.5	10	7.5	40	50	8.0	9.0	200~180	300	160	100	1100	1300	1760	365				
Special customized specifications																		