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# HM-1206 CIE-S (SLEEVE TYPE)



### NON-STOP REWIND / UNWIND

Rewind / unwind is servo motor driven and has fully automatic tension control. This allows the user to control the speed of film feed by computer. When the roll reaches the pre-set length or need to be exchanged, it is automatically changed without interruption.

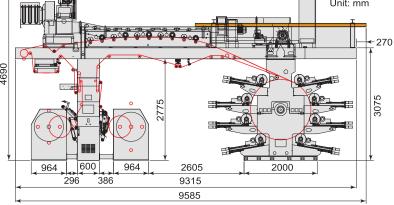
### **SPECIFICATIONS:**

8300

Model	Printing width (mm)	width	No. of colors	Printing repeat (mm)	Production speed (m/min.)			Power required (kW)		dimer W (m)	nsions H (m)	Air compressor (hp) not included	Water chiller (hp) not included
HM-1206CIE HM-1206CIE-S	1110	1250	6	340~800 370~900	50~250	75	7.5	100	8.3	3.4	4.1	5	10
HM-1406CIE HM-1406CIE-S	1310	1450	6	340~800 400~900	50~250	75	7.5	100	8.3	3.6	4.1	5	10
HM-1208CIE HM-1208CIE-S	1110	1250	8	340~800 370~900	50~250	75	7.5	100	8.3	3.4	4.6	5	10
HM-1408CIE HM-1408CIE-S	1310	1450	8	340~800 400~900	50~250	75	7.5	100	8.3	3.6	4.6	5	10
HM-1608CIE HM-1608CIE-S	1510	1610	8	400~800 420~900	50~250	75	7.5	100	8.3	3.8	4.6	5	10

# HM-1208CIE HM-1208CIE-S (SLEEVE TYPE)





# RAPID AND RELIABLE SLEEVE CHANGING (FOR CIE-S)

Quick half tone process system can quickly focus the station position, reducing wasted materials.



- Each printing station equipped 4 set of servo motors for plate & printing impression
- Auto computerize memory setting for plate & printing impression position, easy for new job set up & reduce wastage.
- Job changing position setting enables job changing automatically and is easy operating.
- The sleeve change system is extremely fast and reliable. By automatically replacing sleeves the system reduces operating procedures and faults to a minimum.
- Security s devices are equipped when the sleeves are set incorrectly.

# HM-1206CI

# Computer Servo Motor Control High Speed Central Impression Flexographic Printing Press with Sleeve

With the PLC and computer display central drum positioning, plate installation is simplified according to marks on the printing cylinders or sleeves.

Once printing length is selected on the display, the printing group(s) will be automatically positioned. When all colors are in position small adjustments can be made by remote control.

The computerized pre-set system is user friendly with excellent color positioning.

The computer can remember all previous tension control settings. Once parameters of a job (e.g. tension control) are properly programmed, the job is easily repeated without further preparation.



#### **SPECIFICATIONS:**

Model	Printing width (mm)	Film width (mm)		Printing repeat (mm)	Production speed (m/min.)			required				Air compressor (hp) not included	Water chiller (hp) not included
HM-1206CI	1110	1250	6	400~900	50~300	90	11	125	13.5	3.0	4.6	5	15
HM-1406CI	1310	1450	6	400~900	50~300	90	11	125	13.5	3.2	4.6	5	15
HM-1208CI	1110	1250	8	400~900	50~300	90	11	125	13.5	3.0	5.1	5	15
HM-1408CI	1310	1450	8	400~900	50~300	90	11	125	13.5	3.2	5.1	5	15



### **NON-STOP UNWIND**

The unwinder is servo motor driven and has fully automatic tension control. This allows the user to control the feed speed by computer. When film rolls are used up they are automatically replaced so the printing job continues uninterrupted.



#### **NON-STOP REWIND**

The rewinder is servo motor driven and has fully automatic tension control. This allows the user to control the speed of the film feed by computer. When the roll reaches the pre-set length or needs to be exchanged it is automatically changed without interruption.



### REMOTE BREAKDOWN DIAGNOSIS

An internet prompt service provides the fastest and most convenient solution for inspecting breakdowns. For this purpose, the printing machine is equipped with a modem that allows us to instantly perform online diagnosis and trouble shooting.



### QUICK HALFTONE PROCESS SYSTEM

42 servo motors on this machine allow the computer to quickly process halftone jobs, reducing wasted materials. Settings can be memorized and easily recalled in the future.

#### **AUTOMATIC SLEEVE CHANGE FOR MACHINE PLATE**

The sleeve change system is extremely fast and reliable. By automatically replacing sleeves the system reduces operating procedures and faults to a minimum.

Explanation of Changeover Operations:



### **PRINTING STATIONS**

Six servo motors at each printing station control precision and automatically refine printing patterns. 300 memory sets provide recall for all tension controls. Repeat jobs are easy and extremely convenient.



A Unlock the side handle in the air mandrel in order to change the sleeve



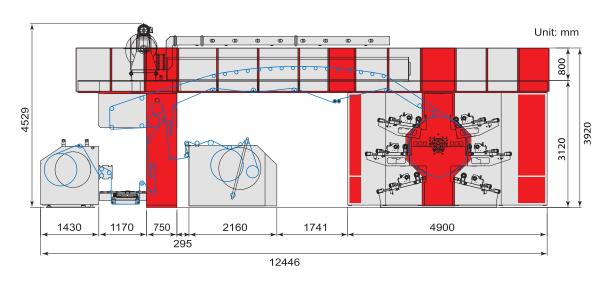
B Pull the side seat apart and lower it.



C Unlock and extract sleeve.



Install new sleeve and assemble in the pre-printing position.



# COMPUTER SERVO MOTOR

# SUPER HIGH-SPEED STACK TYPE FLEXO PRINTING MACHINE

WITH DOCTOR BLADE CHAMBER SYSTEM

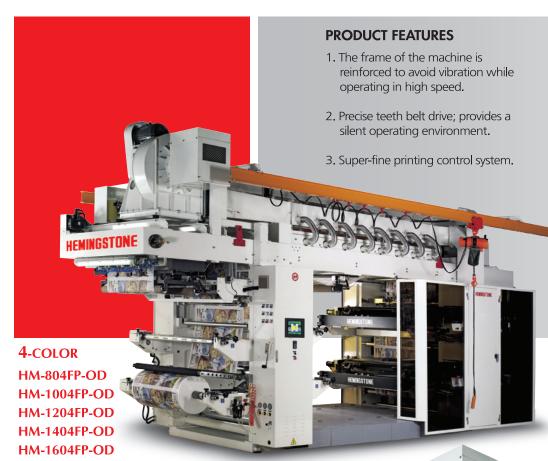
The most advanced generation of super high-speed, stack type flexo printing machine (HM-FP-OD series) crystallized by our R&D team's endeavor work from years of evolution in printing industry. The machines are designed with economical materials for ink rollers, doctor blades and printing rollers.

The advantages of this series satisfy obverse and reverse printing needs while achieving the shortest production time, enhanced productivity, and lower costs.



6-COLOR HM-806FP-OD HM-1006FP-OD HM-1206FP-OD HM-1406FP-OD HM-1606FP-OD

Model	Printing width (mm)	Film width (mm)	No. of color	Printing repeat (mm)	Production speed (m/min.)	Printing possibility	Max. heater	Main motor (kw)
HM-804FP-OD	750	900	4	300~1000	50~200	4+0, 1+3, 2+2	108A (57 kw)	5.5
HM-806FP-OD	750	900	6	300~1000	50~200	6+0, 1+5, 2+4, 3+3	108A (57 kw)	5.5
HM-1004FP-OD	950	1100	4	300~1000	50~200	4+0, 1+3, 2+2	108A (57 kw)	5.5
HM-1006FP-OD	950	1100	6	300~1000	50~200	6+0, 1+5, 2+4, 3+3	108A (57 kw)	5.5
HM-1204FP-OD	1150	1300	4	300~1000	50~200	4+0, 1+3, 2+2	108A (57 kw)	5.5
HM-1206FP-OD	1150	1300	6	300~1000	50~200	6+0, 1+5, 2+4, 3+3	108A (57 kw)	5.5
HM-1208FP-OD	1150	1300	8	300~1000	50~200	8+0, 7+1, 6+2, 5+3, 4+4	108A (57 kw)	5.5
HM-1404FP-OD	1350	1500	4	300~1000	50~200	4+0, 1+3, 2+2	108A (57 kw)	5.5
HM-1406FP-OD	1350	1500	6	300~1000	50~200	6+0, 1+5, 2+4, 3+3	108A (57 kw)	5.5
HM-1408FP-OD	1350	1500	8	300~1000	50~200	8+0, 7+1, 6+2, 5+3, 4+4	108A (57 kw)	5.5
HM-1604FP-OD	1550	1700	4	400~1000	50~180	4+0, 1+3, 2+2	108A (57 kw)	5.5
HM-1606FP-OD	1550	1700	6	400~1000	50~180	6+0, 1+5, 2+4, 3+3	108A (57 kw)	5.5
HM-1608FP-OD	1550	1700	8	400~1000	50~180	8+0, 7+1, 6+2, 5+3, 4+4	108A (57 kw)	5.5



- 4. Obverse and reverse side printing function.
- 5. Provide sufficient space in each station for easy doctor blade installation and maintenance.
- 6. Auto tension control system for double-decked unwind and rewind unit.
- 7. Newly designed wind tunnel with drying system for high speed operation.
- 8. Full color LCD touch-screen operation panel.

Power required	M/0 L(m)	C dimer W(m)		Air compressor (hp) not included
170A (90 kw)	7.5	2.9	4.35	5
170A (90 kw)	7.5	2.9	4.6	5
170A (90 kw)	7.5	3.1	4.35	5
170A (90 kw)	7.5	3.1	4.6	5
170A (90 kw)	7.5	3.3	4.35	5
170A (90 kw)	7.5	3.3	4.6	5
170A (90 kw)	7.5	3.3	5.04	5
170A (90 kw)	7.5	3.5	4.35	5
170A (90 kw)	7.5	3.5	4.6	5
170A (90 kw)	7.5	3.5	5.04	5
170A (90 kw)	7.5	3.7	4.35	5
170A (90 kw)	7.5	3.7	4.6	5
170A (90 kw)	7.5	3.7	5.04	5



### STANDARD ACCESSORIES FOR FP-OD SERIES



### TOUCH-SCREEN OPERATION PANEL

Operators are able to control the computer system from a large full-color LCD touch panel.

- \*OD series: colored touch screen
- \*E-OR & E-OD series: black and white touch screen



### DOUBLE RE-WINDING STATIONS

Both rewinders are individually driven by a servomotor as well. Due to the cleverly matchup between our fully automatic tension control system and edge guider, the film is able to be rewinded perfectly.

\*Half-tone printing is made by **OD** series printing machine.



### DOUBLE UNWINDING STATIONS

Both unwinder stations are separately controlled by a servomotor.
Automatic tension control system and E.P.C. are activated simultaneously.



# PRINTING STATIONS WITH DOCTOR BLADE CHAMBER SYSTEM (OD series)

All the ceramic rollers are imported and precisely engraved by laser. Each set of ceramic rollers are equipped with a doctor blade chamber and our exclusive design of ink circulation system. Integrating these units together is able to advance the printing quality to another level.

#### **PRINTING STATIONS**

All printing stations have a micrometric adjustment system for accurate printing registration. The main transmission uses teeth type belt, driven by a precision pulley. It is able to obtain super fine print quality and a silent operating environment during high-speed operations. (Doctor blade is optional.) \*Optional accessory: sleeve system

Model	Printing width (mm)	Film width (mm)	No. of color	Printing repeat (mm)	Production speed (m/min.)	Printing possibility
HM-804FPE-OD	750	900	4	300~1000	150	4+0, 3+1, 2+2
HM-806FPE-OD	750	900	6	300~1000	150	6+0, 5+1, 4+2, 3+3
HM-1004FPE-OD	950	1100	4	300~1000	150	4+0, 3+1, 2+2
HM-1006FPE-OD	950	1100	6	300~1000	150	6+0, 5+1, 4+2, 3+3
HM-1008FPE-OD	950	1100	8	300~1000	150	8+0, 7+1,6+2, 5+3, 4+4
HM-1204FPE-OD	1150	1300	4	300~1000	150	4+0, 3+1,2+2
HM-1206FPE-OD	1150	1300	6	300~1000	150	6+0, 5+1,4+2, 3+3
HM-1208FPE-OD	1150	1300	8	300~1000	150	8+0, 7+1,6+2, 5+3, 4+4
HM-1404FPE-OD	1350	1500	4	300~1000	130	4+0, 3+1,2+2
HM-1406FPE-OD	1350	1500	6	300~1000	130	6+0, 5+1,4+2, 3+3
HM-1408FPE-OD	1350	1500	8	300~1000	130	8+0, 7+1,6+2, 5+3, 4+4
HM-1604FPE-OD	1550	1700	4	300~1000	125	4+0, 3+1,2+2
HM-1606FPE-OD	1550	1700	6	300~1000	125	6+0, 5+1,4+2, 3+3
HM-1608FPE-OD	1550	1700	8	300~1000	125	8+0, 7+1,6+2, 5+3, 4+4

# COMPUTER SERVO MOTOR

# HIGH-SPEED STACK TYPE FLEXO PRINTING MACHINE

WITH INK ROLL SYSTEM

### 6-COLOR

HM-804FPE-OD
HM-806FPE-OD
HM-1004FPE-OD
HM-1008FPE-OD
HM-1204FPE-OD
HM-1206FPE-OD
HM-1208FPE-OD
HM-1404FPE-OD
HM-1406FPE-OD
HM-1406FPE-OD
HM-1604FPE-OD
HM-1606FPE-OD



Optional Device: Doctor Blade and Chamber System

Max. heater (kw)	Main motor (kw)	Power required		C dimens ting mach	Air compressor (hp) not included	
` /			L(m)	W(m)	H(m)	<b>\</b>
108A (57 kw)	4.4	160A (83 kw)	7.0	2.9	3.5	5
108A (57 kw)	4.4	160A (83 kw)	7.0	2.9	4	5
108A (57 kw)	4.4	160A (83 kw)	7.0	3.1	3.7	5
108A (57 kw)	4.4	160A (83 kw)	7.0	3.1	4	5
108A (57 kw)	4.4	160A (83 kw)	7.0	3.1	5.5	5
108A (57 kw)	4.4	160A (83 kw)	7.0	3.3	3.5	5
108A (57 kw)	4.4	160A (83 kw)	7.0	3.3	4	5
108A (57 kw)	4.4	160A (83 kw)	7.0	3.3	5.2	5
108A (57 kw)	4.4	160A (83 kw)	7.5	2.6	4.0	5
108A (57 kw)	4.4	160A (83 kw)	7.5	3.4	4.2	5
108A (57 kw)	4.4	160A (83 kw)	7.5	3.4	5.5	5
108A (57 kw)	4.4	160A (83 kw)	7.5	2.4	3.5	5
108A (57 kw)	4.4	160A (83 kw)	7.5	2.4	3.8	5
108A (57 kw)	4.4	160A (83 kw)	7.5	2.4	5.2	5

\* Other type of machine models aren't listed in the Catalog.

### STACK TYPE FLEXO PRINTING PRESS MACHINE

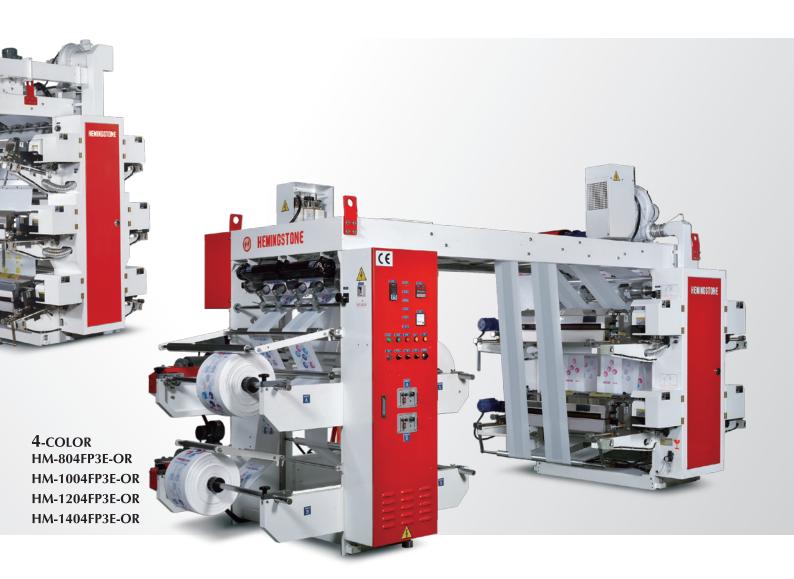
WITH INK RUBBER ROLLER BUT WITHOUT SECURITY DOOR OD SERIES – WITH DOCTOR BLADE

This machine is specially designed for printing simple patterns. It can print a wider film or 2 narrower films simultaneously. It is particularly suitable for printing the T-shirt bag's films. The machine's features are listed below:

- Adopting P.L.C. control system.
- Transmitting the plate cylinders with air clutch makes plate alignment easy.
- Transmitted by the timing belt without the gear abrasion problem.
- Equipped with a set of printing tension adjusting device that can adjust the tension properly according to the printing work.
- With the function of printing both the front and back sides. It also has a set of adjusting device for aligning both the front and back plates rapidly.
- Equipped with hydraulic cylinders to control the plate cylinders up and down without shaking.
- Equipped with an auto stopping function when detecting of film ending.
- Equipped for each station with auto stirring motor when machine stopping.



Model OD Series - with Doctot Blade	Printing width (mm)/max. (mm)/		No. of color	Printing repeat (mm)	Production speed (m/min.)	
OR Series - with Ink Rubber Roller					2E-OD/2E-0R	3E-OR
HM-802FP2E-OD/FP2E-OR/FP3E-OR	800	900	2	300~800	80	60
HM-804FP2E-OD/FP2E-OR/FP3E-OR	800	900	4	300~800	80	60
HM-806FP2E-OD/FP2E-OR/FP3E-OR	800	900	6	300~800	80	60
HM-1002FP2E-OD/FP2E-OR/FP3E-OR	1000	1100	2	300~800	80	60
HM-1004FP2E-OD/FP2E-OR/FP3E-OR	1000	1100	4	300~800	80	60
HM-1006FP2E-OD/FP2E-OR/FP3E-OR	1000	1100	6	300~800	80	60
HM-1204FP2E-OD/FP2E-OR/FP3E-OR	1200	1300	4	300~800	80	60
HM-1206FP2E-OD/FP2E-OR/FP3E-OR	1200	1300	6	300~800	80	60
HM-1404FP2E-OD/FP2E-OR/FP3E-OR	1400	1400	4	300~800	80	60
HM-1406FP2E-OD/FP2E-OR/FP3E-OR	1400	1400	6	300~800	80	60



Printing possibility	Max. heater (kw)	Main motor (kw)	Power required	M/C dimensions (for printing machine only)			Air compressor (hp) not included
	(1007)	(RW)		L(m)	W(m)	H(m)	(np) not included
0+2, 1+1	19.2	2	26	5.2	1.7	2.7	5
0+4, 1+3, 2+2	19.2	2	26	5.2	1.7	2.7	5
0+6, 1+5, 2+4, 3+3	19.2	2	26	5.2	1.7	2.7	5
0+2, 1+1	19.2	2	26	5.2	2.1	2.7	5
0+4, 1+3, 2+2	19.2	2	26	5.2	2.1	2.7	5
0+6, 1+5, 2+4, 3+3	19.2	2	26	5.2	2.1	2.7	5
0+4, 1+3, 2+2	19.2	3	26	5.2	2.3	2.7	5
0+6, 1+5, 2+4, 3+3	19.2	3	26	5.2	2.3	2.7	5
0+4, 1+3, 2+2	19.2	3	26	5.2	2.5	2.7	5
0+6, 1+5, 2+4, 3+3	19.2	3	26	5.2	2.5	2.7	5

### COMPUTER SERVO MOTOR

# SUPER HIGH-SPEED STACK TYPE FLEXO PRINTING MACHINE

WITH DOCTOR BLADE CHAMBER SYSTEM IN-LINE WITH BAG MAKING OR EXTRUSION MACHINE



Model	Printing width (mm)	Film width (mm)	No. of color	Printing repeat (mm)	Production speed (m/min.)	Printing possibility
HM-1004FP-ID	950	1100	4	300~1000	50~200	4+0, 1+3, 2+2
HM-1006FP-ID	950	1100	6	300~1000	50~200	6+0, 1+5, 2+4, 3+3
HM-1204FP-ID	1150	1300	4	300~1000	50~200	4+0, 1+3, 2+2
HM-1206FP-ID	1150	1300	6	300~1000	50~200	6+0, 1+5, 2+4, 3+3
HM-1404FP-ID	1350	1500	4	300~1000	50~180	4+0, 1+3, 2+2
HM-1406FP-ID	1350	1500	6	300~1000	50~180	6+0, 1+5, 2+4, 3+3
HM-1604FP-ID	1550	1700	4	400~1000	50~160	4+0, 1+3, 2+2
HM-1606FP-ID	1550	1700	6	400~1000	50~160	6+0, 1+5, 2+4, 3+3



Max. heater (kw)	Main motor (kw)	Power required		C dimens ting mach	Air compressor (hp) not included	
			L(m)	W(m)	H(m)	
108A (57 kw)	5.5	150A (77 kw)	7.0	3.1	3.5	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.1	4.0	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.3	3.5	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.3	4.0	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.5	3.5	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.5	4.0	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.7	3.5	5
108A (57 kw)	5.5	150A (77 kw)	7.0	3.7	4.0	5

### **FEATURES**

### **OPTIONAL ACCESSORIES**

HM-1200PM-C (For Cylinder Type)

HM-1200PM-S (For Sleeve Type)

Plate mounting machine is specially designed for customers who is aiming for highly accurate printing jobs. High resolution CCD cameras help operators to precisely mount the printing plate within a short period of time. HM-1200PM series can be used for width between 800~1400mm with repeat sizes from 300~1000mm. Ergonomics design of mounting table and lay-down rollers allow operators to place the plate in position with perfect registration at both ends.





## PLATE LAYING/ POSITIONING TABLE

A laying table allows the operator to lay flat the plates, ensuring higher level of accuracy and speed. It allows wide plates to be mounted with easier level of handling and higher level of precision. The front section of the table can be pulled forward giving more accessibility to the cylinder while wiping down the plates manually.

#### PLATE LAY DOWN ROLLER

While the plate is in position, a laying roller is manually lowered to the central part of the plate, it evenly presses the plate onto the print cylinder, removing air bubbles and ensuring trueness of mounting. This system is ideal for larger plates, ensures a consistent wipe down pressure, free of air bubble and avoids plate damage.

### STAND FOR DOUBLE SIDE ADHESIVE TAPE

It gives the double side adhesive tape to be attached to cylinders with constant tension, without air bubbles and creases. It is also considerable time-saving while mounting. Suitable tape in width: Max. 1200mm.

### **FOR STACK TYPE**



### **NON-STOP REWIND**

The rewinder is servo motor driven and has fully automatic tension control. This allows the user to control the speed of the film fed by computer. When the roll reaches the pre-set length or needs to be exchanged, it is automatically changed without interruption.



### **NON-STOP UNWIND**

The unwinder is servo motor driven and has fully automatic tension control. This allows the user to control the feed speed by computer. When film rolls are used up, they are automatically replaced so the printing job continues uninterrupted.



### PRINTING STATIONS

Six servo motors at each printing station control precision and automatically refine printing patterns. 300 memory sets provide recall for all tension controls. Repeat jobs are easy and extremely convenient.

#### **OPTIONAL ACCESSORIES**

### HM-IQ6 / HM-IQ8

There is another way to integrate all ink tanks into a system. HM-IQ series is design for this purpose. In addition, this equipment is also an auto. cleaning system (with extra solvent tanks). Once the daily job is competed, the operator can turn ON the cleaning system individually from control panel. Cleaning work can be finished in a short time.





### HM-1270ME MENU DRIVEN SELECTION GIVING A VARIETY OF CLEANING

- Floor standing model
- Dual frequency, for safe precise cleaning of the highest screen count rolls
- Keypad control system
- Closed rotation
- Auto pumping and filtration for tank cleanliness and chemical longevity
- Low level lock out
- Temperature fall back
- Includes rinse tank, spray wash facility and services management bulkhead
- Tank lengths from 430mm to 1255mm
- Standard tank widths 250mm
- Non-standard widths also available



#### **GAS HEATING SYSTEM**

- Using gas heating machine imported from America which is durable, safe and with steady quality.
- We apply with Honeywell- RA89OG which is steady, durable, prestigious and is certified by UL. Thus, the security is guaranteed.
- Equipped with two temperature controllers from Japan to insure fully control of the system security. One is used to control the temperature and stop burning while the other one is on over-temperature detection and cut out.
- Connecting two Gas Opens to make sre the gas wouldn't leak out and prevent from the explosion burning while lighting up the fire.(Honeywell: one is normal gas open; the other one is slow open)
- Multiple security devices such as Ultraviolet Rays Flame Detector, Air Pressure Detector and Gas Pressure High-low Detector.
- Rapidly heating with steadily temperature controlling.
- Comparing with electric heating, our gas heating system is more economical and energy saving.

