

# VS-8480TSI / 8480TSR

진탕 배양기 | Shaking Incubator

## 제품특징

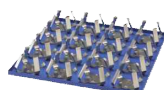
- Compact Design Table Type
- AC Motor
- Orbital Motion
- 20rpm의 저속에서도 안정된 작동
- 신뢰성 있는 안전장치
- Digital PID Controller
- 범용 스프링 랙 (Option)

## 주요사양

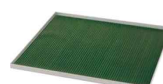


### Shaking Incubator VS-8480TSI VS-8480TSR

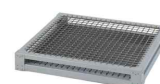
|                        |   |                  |
|------------------------|---|------------------|
| Display                | LED Display                                   |                  |
| Main Control           | Digital PID Controller                        |                  |
| Temp. Range            | RT +5℃ to 60℃                                 | 15℃ to 60℃       |
| Speed Range            | 20 ~ 350rpm                                   |                  |
| Dimension (in) (WxDxH) | 510 x 430 x 375mm (Working Plate)             |                  |
| (out) (WxDxH)          | 520 x 710 x 533mm                             |                  |
| Weight                 | 53kg  | 65kg             |
| Lid                    | Acrylic Blue                                  |                  |
| Motor                  | AC Motor                                      |                  |
| Circulation Fan        | 3.5" Convection Fan x 2EA                     |                  |
| Safety Device          | Exclusive Over Temp. Protector, Door Detector |                  |
| Power                  | 220V, 1.3A, 300W                              | 220V, 3.1A, 700W |



• Plate of Flask



• Flat-form Plate



• Spring Rack



|                  |                  |                               |
|------------------|------------------|-------------------------------|
| • Plate of Flask | 100ml Flask 25EA | • Flat-form Plate 350 x 320mm |
|                  | 250ml Flask 16EA |                               |
|                  | 500ml Flask 9EA  | • Spring Rack 350 x 320mm     |
|                  | 1000ml Flask 4EA |                               |

# VS-84800SF / 8480SFN

진탕 배양기 | Shaking Incubator

## 제품특징

- 20rpm의 저속에서도 안정된 작동
- 신뢰성 있는 안전장치
- 다양한 용량의 플라스크 및 튜브 사용 가능
- Light Bank 설치 가능 ('L' Model)
- 10단계 온도 스텝 운전 프로그램 ('N' Model)
- 300(H)mm Flask 사용 가능 ('L' Model 제외)



## 주요사양

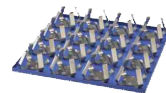


| Shaking Incubator      | VS-8480SF                                     | VS-8480SFN      |
|------------------------|---|-----------------|
| Display                | LED Display                                   | LCD Display     |
| Main Control           | Digital PID Controller                        |                 |
| Programmability        | -   | 10 Step Program |
| Temp. Range            | 15℃ to 60℃                                    |                 |
| Speed Range            | 20 ~ 350rpm                                   |                 |
| Dimension (in) (WxDxH) | 510 × 530 × 330mm (Working Plate)             |                 |
| (out) (WxDxH)          | 515 × 730 × 740mm                             |                 |
| Weight                 | 81kg  |                 |
| Lid                    | Acrylic Blue                                  |                 |
| Motor                  | AC Motor                                      |                 |
| Circulation Fan        | 5" Convection Fan × 2EA                       |                 |
| Safety Device          | Exclusive Over Temp. Protector, Door Detector |                 |
| Power                  | 220V, 5A, 1.1KW                               |                 |

| Light Bank Model | VS-8480SF-L               | VS-8480SFN-L |
|------------------|---------------------------|--------------|
| Light Bank       | 40W CL × 1 Unit           |              |
| Light Control    | 24Hr. Photoperiod Program |              |

※ Light System 장착 시 내부 높이 활용공간이 40mm 낮아집니다.

※ 형광등은 상황에 따라 변경될 수 있습니다.



• Plate of Flask



• Flat-form Plate



• Spring Rack

|                  |              |      |                   |               |
|------------------|--------------|------|-------------------|---------------|
| • Plate of Flask | 100ml Flask  | 36EA | • Flat-form Plate | 450 x 450mm   |
|                  | 250ml Flask  | 25EA |                   | • Spring Rack |
|                  | 500ml Flask  | 16EA |                   | 450 x 450mm   |
|                  | 1000ml Flask | 9EA  |                   |               |
|                  | 2000ml Flask | 4EA  |                   |               |

# VS-84800SR / 8480SRN

진탕 배양기 | Shaking Incubator

## 제품특징

- 20rpm의 저속에서도 안정된 작동
- 신뢰성 있는 안전장치
- 다양한 용량의 플라스크 및 튜브 사용 가능
- Light Bank 설치 가능 ('L' Model)
- 10단계 온도 스텝 운전 프로그램 ('N' Model)
- 2ℓ × 9ea Plate (대용량 진탕 배양기)

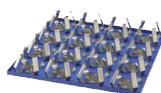
## 주요사양



| Shaking Incubator      | VS-8480SR                                     | VS-8480SRN      |
|------------------------|---|-----------------|
| Display                | LED Display                                   | LCD Display     |
| Main Control           | Digital PID Controller                        |                 |
| Programmability        | -   | 10 Step Program |
| Temp. Range            | 10℃ to 60℃                                    |                 |
| Speed Range            | 20 ~ 350rpm                                   |                 |
| Dimension (in) (WxDxH) | 750 × 600 × 360mm (Working Plate)             |                 |
| (out) (WxDxH)          | 985 × 785 × 875mm                             |                 |
| Weight                 | 137.5kg                                       |                 |
| Lid                    | Silicone Packing & Shock-absorber             |                 |
| Motor                  | AC Motor                                      |                 |
| Circulation Fan        | 5" Convection Fan × 2EA                       |                 |
| Safety Device          | Exclusive Over Temp. Protector, Door Detector |                 |
| Power                  | 220V, 5.5A, 1.2KW                             |                 |

| Light Bank Model | VS-8480SR-L               | VS-8480SRN-L |
|------------------|---------------------------|--------------|
| Light Bank       | Compact F.L. 36W × 3 Unit |              |
| Light Control    | 24Hr. Photoperiod Program |              |
| Power            | 220V, 6A, 1.3KW           |              |

※ 형광등은 상황에 따라 변경될 수 있습니다.



• Plate of Flask



• Flat-form Plate



• Spring Rack

|                  |              |      |                   |             |
|------------------|--------------|------|-------------------|-------------|
| • Plate of Flask | 100ml Flask  | 72EA | • Flat-form Plate | 655 × 535mm |
|                  | 250ml Flask  | 42EA |                   |             |
|                  | 500ml Flask  | 24EA | • Spring Rack     | 655 × 535mm |
|                  | 1000ml Flask | 16EA |                   |             |
|                  | 2000ml Flask | 9EA  |                   |             |

# VS-8480SL

진탕 배양기 | Shaking Incubator

## 제품특징

- 상단부에는 경치 배양을 할 수 있는 높낮이 조절 가능한 선반이 장착되어 있고, 하단부에는 진탕기가 설치되어 진탕 배양이 가능
- 20rpm의 저속에서도 안정된 작동
- Digital PID Controller
- 신뢰성 있는 안전장치
- 다양한 용량의 플라스크 및 튜브 사용이 가능하며 높은 키의 대형 Flask도 사용 가능
- Light Bank 설치 가능 ('-L' Model)



## 주요사양



### Shaking Incubator

#### VS-8480SL

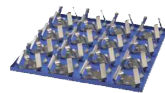
|                        |   |
|------------------------|---|
| Display                | LED Display                                   |
| Main Control           | Digital PID Controller                        |
| Temp. Range            | 10℃ to 60℃                                    |
| Speed Range            | 20 ~ 350rpm                                   |
| Dimension (in) (WxDxH) | 520 x 600 x 790mm (Working Plate)             |
| (out) (WxDxH)          | 935 x 850 x 1450mm                            |
| Door                   | Silicone Packing Door with Window             |
| Motor                  | AC Motor                                      |
| Circulation Fan        | 5" Convection Fan x 3EA                       |
| Shelf                  | 1EA, Adjustable Type                          |
| Safety Device          | Exclusive Over Temp. Protector, Door Detector |
| Power                  | 220V, 5A, 1.1KW                               |

### Light Bank Model

#### VS-8480SL-L

|                       |                         |
|-----------------------|-------------------------|
| Light Bank (Standard) | C.L. 30W x 1EA, Chamber |
| (Option)              | F.L. 20W x 4 Unit, Door |
| Power                 | 220V, 5.5A, 1.2KW       |

※ 형광등은 상황에 따라 변경될 수 있습니다.



• Plate of Flask



• Flat-form Plate



• Spring Rack

- |                  |  |  |
|------------------|--|--|
| • Plate of Flask | 100ml Flask 36EA<br>250ml Flask 25EA<br>500ml Flask 16EA<br>1000ml Flask 9EA<br>2000ml Flask 4EA | • Flat-form Plate 450 x 450mm<br>• Spring Rack 450 x 450mm |
|------------------|--|--|

# VS-8480MX4 / 8480MX2

다단 진탕 배양기 | Multi-spin Shaking Incubator

▶ VS-8480MX2



## 제품특징

- 여러대의 진탕기를 수직으로 배열하여 각각 운전할 수 있도록 설계되어 공간 활용도가 우수한 제품
- 20rpm의 저속에서도 안정된 작동
- Digital PID Controller
- 다양한 용량의 플라스크 및 튜브 사용이 가능
- Light Bank 설치 가능 (Option)
- 한번에 250ml Flask 168EA를 사용 할 수 있는 초대형 ('-L' Model)

## 주요사양

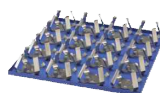
| Multi-Spin Shaking Incubator | VS-8480MX4  | VS-8480MX4-L  |
|------------------------------|---|---|
| Display                      | LED Display   |   |
| Main Control                 | Digital PID Controller  |   |
| Temp. Range                  | 10°C to 60°C  |   |
| Speed Range                  | 20 ~ 350rpm   |   |
| Dimension (in) (WxDxH)       | 650 x 700 x 1800mm  | 700 x 730 x 1900mm  |
| (out) (WxDxH)                | 1380 x 840 x 2005mm (Body)                                      | 1435 x 880 x 2080mm (Body)                                      |
| Flask Capacity               | 250ml × 100EA (25EA × 4 Stage)<br>1000ml × 36EA (9EA × 4 Stage) | 250ml × 168EA (42EA × 4 Stage)<br>2000ml × 36EA (9EA × 4 Stage) |
| Holder Plate                 | 450 x 450mm   | 630 x 670mm   |
| Motor                        | AC Motor  |   |
| Shaking Unit                 | 4 Shakers   |   |
| Power                        | 220V, 7A, 1.5KW   |   |



▲ VS-8480MX4

## Multi-Spin Shaking Incubator VS-8480MX2

|                        |  |
|------------------------|--|
| Display                | LED Display  |
| Main Control           | Digital PID Controller   |
| Temp. Range            | 10°C to 60°C   |
| Speed Range            | 20 ~ 350rpm  |
| Dimension (in) (WxDxH) | 650 x 700 x 1000mm   |
| (out) (WxDxH)          | 1380 x 830 x 1280mm (Body)                                     |
| Flask Capacity         | 250ml × 50EA (25EA × 2 Stage)<br>1000ml × 18EA (9EA × 2 Stage) |
| Holder Plate           | 450 x 450mm  |
| Motor                  | AC Motor   |
| Shaking Unit           | 2 Shakers  |
| Power                  | 220V, 6.5A, 1.4KW  |



• Plate of Flask



• Spring Rack

# VS-8480MX4-DT / 8480MX2-DT(Dual Type)

다단 진탕 배양기 | Multi-spin Shaking Incubator

▶ VS-8480MX2-DT

## 제품특징

- 두개의 독립된 챔버에 진탕기를 설치하여 다양한 조건의 운전을 수행
- 2대 또는 4대의 진탕기를 수직으로 배열하여 각각 운전할 수 있도록 설계되어 공간 활용도가 우수한 제품
- 20rpm의 저속에서도 안정된 작동
- Digital PID Controller
- 다양한 용량의 플라스크 및 튜브 사용이 가능
- Light Bank 설치 가능 (Option)

## 주요사양

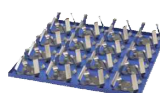


| Multi-Spin Shaking Incubator | VS-8480MX4-DT   | VS-8480MX4-DT-L   |
|------------------------------|---|---|
| Display                      | LED Display   |   |
| Main Control                 | Digital PID Controller  |   |
| Temp. Range                  | 10℃ to 60℃  |   |
| Speed Range                  | 20 ~ 350rpm   |   |
| Dimension (in)               | 650 x 700 x 880mm x 2 Chamber (WxDxH)                           | 700 x 730 x 950mm x 2 Chamber                                   |
| (out)                        | 1380 x 850 x 2215mm (Body)                                      | 1435 x 880 x 2290mm (Body)                                      |
| Flask Capacity               | 250ml × 100EA (25EA × 4 Stage)<br>1000ml × 36EA (9EA × 4 Stage) | 250ml × 168EA (42EA × 4 Stage)<br>2000ml × 36EA (9EA × 4 Stage) |
| Holder Plate                 | 450 x 450mm   | 630 x 670mm   |
| Motor                        | AC Motor  |   |
| Room                         | 2 Chamber   |   |
| Shaking Unit                 | 4 Shakers   |   |
| Circulation Fan              | 5" Convection Fan x 8EA   |   |
| Door                         | Silicone Packing Door with Window                               |   |
| Safety Device                | Over Temp. Protector, Door Detector                             |   |
| Power                        | 220V, 6.5A, 1.4KW x 2EA (총 13A, 2.8KW)                          |   |

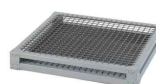


▲ VS-8480MX4-DT

| Multi-Spin Shaking Incubator | VS-8480MX2-DT  | VS-8480MX2-DT-L  |
|------------------------------|--|--|
| Display                      | LED Display  |  |
| Main Control                 | Digital PID Controller   |  |
| Temp. Range                  | 10℃ to 60℃   |  |
| Speed Range                  | 20 ~ 350rpm  |  |
| Dimension (in)               | 650 x 700 x 500mm x 2 Chamber                                  | 700 x 730 x 600mm x 2 Chamber                                  |
| (out)                        | 1350 x 850 x 1460mm (Body)                                     | 1435 x 880 x 1660mm (Body)                                     |
| Flask Capacity               | 250ml × 50EA (25EA × 2 Stage)<br>1000ml × 18EA (9EA × 2 Stage) | 250ml × 84EA (42EA × 2 Stage)<br>2000ml × 18EA (9EA × 2 Stage) |
| Holder Plate                 | 450 x 450mm  | 630 x 670mm  |
| Motor                        | AC Motor   |  |
| Room                         | 2 Chamber  |  |
| Shaking Unit                 | 2 Shakers  |  |
| Power                        | 220V, 6.2A, 2.7KW x 2ea (총 12.5A, 2.7KW)                       |  |



• Plate of Flask



• Spring Rack