



[CARBURETOR-MANUAL.COM](http://CARBURETOR-MANUAL.COM)

# WALBRO FLOAT FEED CARBURETORS



# LMK



The LMK carburetor series is a mid-sized model designed for 4 stroke engines ranging from 340 to 490 cc displacement. This high value model meets EPA and CARB emissions regulations.

## Technical Data

- |                     |                    |                           |                       |
|---------------------|--------------------|---------------------------|-----------------------|
| • Dimensions in mm: | Choke Bore<br>31.8 | Venturi Ø<br>20.5 to 22.2 | Throttle Bore<br>26.6 |
|---------------------|--------------------|---------------------------|-----------------------|
- Mounting hole distance between centers: 52 mm
  - Vertical throttle shaft
  - Through-bolt mounting design
  - Can be delivered with or without choke
  - Self-relieving choke optional
  - Fixed high speed jet
  - Adjustable idle needle
  - Shut-off solenoid available

# LMJ



The LMJ carburetor series is designed for 4 stroke engines ranging from 100 to 270 cc displacement. The LMJ features EPA and CARB emissions approved design.

## Technical Data

- |                     |                  |                       |                     |
|---------------------|------------------|-----------------------|---------------------|
| • Dimensions in mm: | Choke Bore<br>24 | Venturi Ø<br>13 to 15 | Throttle Bore<br>18 |
|---------------------|------------------|-----------------------|---------------------|
- Mounting hole distance between centers: 40 or 42 mm
  - Vertical throttle shaft
  - Through-bolt mounting design
  - Can be delivered with or without choke
  - Self-relieving choke or primer system optional
  - Fixed high speed jet
  - Adjustable idle needle
  - Bowl drain optional
  - Shut-off solenoid available
  - Vibration isolated inlet needle available

# LMF



The LMF carburetor series is a mid-sized model designed for 4 stroke engines ranging from 250 to 400 cc displacement. This high value model meets EPA and CARB emissions regulations.

## Technical Data

- |                     |                  |                       |                     |
|---------------------|------------------|-----------------------|---------------------|
| • Dimensions in mm: | Choke Bore<br>30 | Venturi Ø<br>14 to 18 | Throttle Bore<br>24 |
|---------------------|------------------|-----------------------|---------------------|
- Horizontal throttle shaft
  - Mounting hole distance between centers: 48 mm
  - Through-bolt mounting design
  - Can be delivered with or without choke
  - Self-relieving choke optional
  - Fixed high speed jet
  - Adjustable idle needle
  - Shut-off solenoid available
  - Vibration isolated inlet needle available
  - Internal bowl venting

# LMT



The LMT carburetor series is a mid-sized model designed for 4 stroke engines ranging from 340 to 500 cc displacement. This high value model meets EPA and CARB emissions regulations.

## Technical Data

- |                     |                  |                         |                               |
|---------------------|------------------|-------------------------|-------------------------------|
| • Dimensions in mm: | Choke Bore<br>30 | Venturi Ø<br>19 to 22.2 | Throttle Bore<br>25.4 to 26.9 |
|---------------------|------------------|-------------------------|-------------------------------|
- Mounting hole distance between centers: 54 mm
  - Horizontal throttle shaft
  - Through-bolt mounting design
  - Can be delivered with or without choke
  - Self-relieving choke optional
  - Fixed high speed jet
  - Adjustable idle needle
  - Vibration isolated inlet needle available
  - Shut-off solenoid available
  - Internal bowl venting

# WVF



The WVF carburetor model is designed for 4 stroke engines requiring a constant velocity venturi ranging from 100 to 250 cc displacement. This high value model meets EPA and CARB emissions regulations.

## Technical Data

- Dimensions in mm: Choke Bore 38 to 48 Venturi Ø 20 to 30 Throttle Bore 24 to 34
- Throttle mounting O.D. 32 mm / 34mm / 40mm
- Choke mounting O.D. 42 mm / 44mm / 52mm
- Horizontal throttle shaft
- Deceleration enrichment system optional
- Temperature sensitive starting enrichment available
- Accelerator pump available
- Fixed high speed jet
- Adjustable idle circuit
- Bowl drain standard
- Variable venturi (CV) design
- Electronic acceleration nozzle optional

# WHG



The WHG carburetor series is a model designed for 4 stroke engines ranging from 400 to 600 cc displacement. This high value model can meet EPA and CARB emissions regulations.

## Technical Data

- Dimensions in mm: Choke Bore 34.9 Venturi Ø 20.6 to 25.4 Throttle Bore 27.0 to 30.1
- Mounting hole distance between centers: 58.1 mm
- Vertical or horizontal throttle shaft orientations
- Flange-bolt mounting design
- Can be delivered with or without choke
- Fixed or adjustable high speed jet
- Adjustable idle needle
- Screw-in main jet

# WHL



The WHL carburetor series is a mid-sized model designed for 4 stroke engines ranging from 125 to 250 cc displacement. This high value model can meet EPA and CARB emissions regulations.

## Technical Data

- Dimensions in mm: Choke Bore 27.0 Venturi Ø 14.3 to 20.65 Throttle Bore 20.7 to 23.8
- Mounting hole distance between centers: 43.8 mm
- Vertical throttle shaft
- Flange-bolt mounting design
- Can be delivered with or without choke
- Fixed or adjustable high speed jet
- Adjustable idle needle
- Screw-in main jet

# PZ 22



The PZ 22 carburetor series is designed for 4 stroke engines ranging from 90 to 200 cc displacement. This high value model meets EPA and CARB emissions regulations. Accepted as standard for world formula karting events.

## Technical Data

- Dimensions in mm: Venturi Ø 17.9 Throttle Bore 22.0
- Mounting hole distance between centers: 48 mm
- Piston (slide) valve throttle system
- Flange-bolt throttle mounting design
- Self-relieving choke optional
- Fixed high speed jet
- Adjustable idle needle
- Bowl drain standard

# PZ 26



The PZ 26 carburetor series is designed for 4 stroke engines ranging from 150 to 300 cc displacement. This high value model meets EPA and CARB emissions regulations. Standard carburetor platform for competition karting events.

### Technical Data

- Dimensions in mm:
  - Venturi Ø 22
  - Throttle Bore 26
- Mounting hole distance between centers: 48 mm
- Piston (slide) valve throttle system
- Flange-bolt mounting design
- Multi-position choke for warm-up
- Fixed high speed jet
- Adjustable idle needle
- Bowl drain standard

# LMW



The LMW carburetor series is a mid-sized model designed for 4 stroke engines ranging from 125 to 225 cc displacement. This high value model meets EPA and CARB emissions regulations.

### Technical Data

- Dimensions in mm:
  - Choke Bore 23.8
  - Venturi Ø 14.3 to 15.8
  - Throttle Bore 17.5 to 18.5
- Mounting hole distance between centers: 46 mm
- Vertical throttle shaft
- Through-bolt mounting design
- Can be delivered with or without choke
- Self-relieving choke optional
- Fixed high speed jet
- Adjustable idle needle

# WPF



The WPF carburetor series is a mid-sized model designed for 4 stroke engines ranging from 100 to 125 cc displacement. This high value model meets EPA and CARB emissions regulations.

### Technical Data

- Dimensions in mm:
  - Choke Bore 14
  - Venturi Ø 10
  - Throttle Bore 10
- Piston (slide) valve throttle system
- Intake tube mounting diameter: 16 mm
- Internal choke standard
- Fixed high speed jet
- Bowl drain



## Walbro Engine Management

website:  
www.walbro.com

### Walbro Engine Management Worldwide Headquarters

7400 N. Oracle Road, Ste. 310  
Tucson, Arizona 85704  
Ph: (520) 877-3000  
Fax (520) 877-3006

### Walbro North America Sales and Engineering

6242 Garfield Avenue  
Cass City, Michigan 48726  
Ph: (989) 872-2131  
Fax (989) 872-7036

### Walbro Italy

#### Sales and Engineering

Via Caduti di Melissa, 12  
40033 Casalecchio di Reno  
Bologna  
Italy  
Ph: +39 (051) 61-321-13  
Fax: +39 (051) 61-322-33

### Walbro Japan

#### Sales and Engineering

Terada Building 4F  
2-3-3 Shiba Kouen  
Minato - Ku, Tokyo 105-0011  
Japan  
Ph: +81 (3) 5401-4511  
Fax: +81 (3) 5401-4515

### Walbro China

#### Sales and Engineering

Tianjin Beichen Economic  
Development Area  
No. 10 Shuang Yuan Road  
Beichen District, Tianjin City  
300400  
PR China  
Ph : +86 (22) 2697-1640  
Fax: +86 (22) 2697-0977

### Aftermarket Division

6242-A Garfield Avenue  
Cass City, Michigan 48726  
Ph: (989) 872-2131  
Fax: (989) 872-7004