



## Our History

Tillotson Toledo, c.1917



Tillotson China, c.2007



Tillotson Ireland, c.2007

Tillotson is one of the oldest and best known carburetor manufacturers in the world, with a history that dates back to 1914. In the late 1940's, Tillotson changed the industry with the invention of the diaphragm carburetor. This new design replaced the carburetor's float bowl with a rubber diaphragm, thus allowing engines to operate in virtually any position.

The invention of the Tillotson diaphragm carburetor led to an explosion in handheld lawn and garden equipment, including chainsaws, brush cutters, and blowers. Tillotson's innovative technologies and OE quality make Tillotson® the carburetor of choice for long life, reliability and performance. Everything else is just a copy.





I N N O V A T I O N , D U R A B I L I T Y A N D R E L I A B I L I T Y



# The **Tillotson.** Advantage

Tillotson proudly supplies an extensive range of diaphragm carburetors to the global OE market for engine applications ranging from 15 to 350 c.c.

Tillotson has worldwide manufacturing capabilities with facilities in:

-  USA
-  Ireland
-  Brazil
-  China

This extensive supply chain provides our customers with the best carburetors, the best value and the most convenient manufacturing locations.



## HU Series Diaphragm Carburetor

### Applications

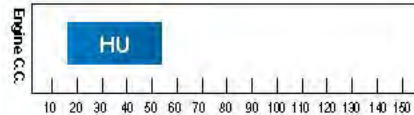
- ▶ Chainsaws (hobby/farmer)
- ▶ Brush cutters
- ▶ Weed eaters
- ▶ Hedge trimmers
- ▶ Tillers
- ▶ Rock drills
- ▶ Generators
- ▶ Augers
- ▶ Model aircraft/cars

### Feature Options

- ▶ Speed governor valve
- ▶ Internal/external pulse

- ▶ Independent/dependent fuel system
- ▶ Injection/butterfly choke
- ▶ Nickel-plated inlet seat
- ▶ Reverse idle system
- ▶ Side adjust speed screw
- ▶ Purge primer

**Miniature  
All Position  
Integral Pump  
Light Weight  
Few Parts  
Easy Service**



## HE Series Diaphragm Carburetor

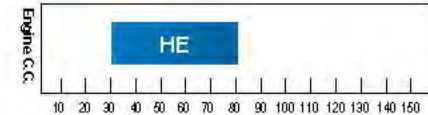
### Applications

- ▶ Chainsaws
- ▶ Clearing saws

### Feature Options

- ▶ Internal/external pulse
- ▶ Side adjust screws
- ▶ Nickel-plated brass inlet seat
- ▶ Anti-vapor system
- ▶ Emulsion idle
- ▶ Filter compensation system

**All Position  
Integral Pump  
Light Weight  
Few Parts  
Easy Service**



## HS Series Diaphragm Carburetor

### Applications

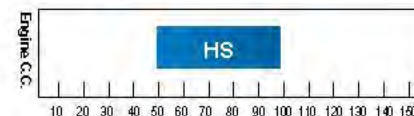
- ▶ Chainsaws (professional)
- ▶ Clearing saws, cut-off saws
- ▶ Pumps, generators
- ▶ Earth compactors, rock drills

### Feature Options

- ▶ Speed governor valve
- ▶ Internal/external pulse
- ▶ Independent/dependent fuel adjustment
- ▶ Butterfly/injection choke

- ▶ Nickel-plated inlet seat
- ▶ Remote fixed jet
- ▶ Part throttle jet
- ▶ Side adjust/wing adjust speed screw
- ▶ Reverse idle system
- ▶ Emulsion idle
- ▶ Filter compensation system

**All Position  
Integral Pump  
Efficient Air Flow  
Easy Service**



## HL Series Diaphragm Carburetor

### Applications

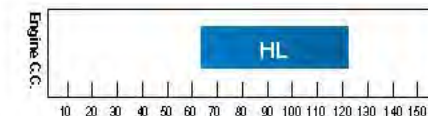
- ▶ Chainsaws (professional)
- ▶ Cut-off saws
- ▶ Fire pumps
- ▶ Generators
- ▶ Marine applications
- ▶ Golf carts

### Feature Options

- ▶ Speed governor valve
- ▶ Double pump module
- ▶ Internal/external pulse

- ▶ Independent/dependent system
- ▶ Replaceable nickel-plated inlet seat
- ▶ Racing Venturi profile

**All Position  
Optimum  
Air Flow  
Large Pump  
Capacity**



# Specialty Carburetors

Tillotson's specialty carburetors are used in professional kart racing, and sometimes, just for the ultimate in fun. Some of these carburetors are the most highly engineered in the world. They are expensive to make, but when performance counts most, Tillotson is the only brand to choose.

## THE TILLOTSON AVENGER

*It all starts with Great Parts!*



### Applications

- Karting
- Snowmobile racing
- Other recreational vehicles

### Feature Options

- Butterfly openings
- New Venturi/Body designs
- New inlet needle and seat designs
- New idle/acceleration nozzle designs
- New acceleration fuel circuit designs
- New acceleration fuel pump designs

### 2 Stroke and 4 Stroke Ready Designs

#### HW Series Diaphragm Carburetor



Oliver Tilkin 1st Place, KF2 Class,  
CHAMPIONNAT DE FRANCE GRAND PRIX

Photos courtesy VROOM Magazine



#### HR Series Diaphragm Carburetor

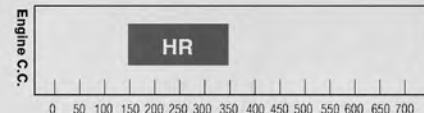
### Applications

- Recreational vehicles

### Feature Options

- Internal/external pulse
- Reverse shutter rotation
- Double pump module
- Air filter adaptation
- 3 System fuel adjustment

### All Position Integral Pump Boost Venturi

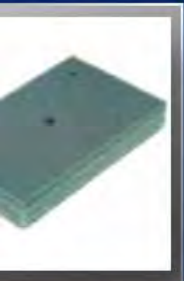






## OEM Replacement Products

Tillotson makes it possible to improve the quality and engineering of existing equipment through our Tillotson Exchange line of replacement products. These products enable customers to replace non-Tillotson carburetors, repair kits and filters with Tillotson® brand drop-in replacements. All Tillotson Exchange product comes with Tillotson's legendary warranties and technical support.



QUALITY PRODUCTS



## Design & Engineering Center



Tillotson provides expert calibration and design services with flexible manufacturing options to create the exacting tolerances required by our customers. We offer customers the option to rely on our expert manufacturing capabilities or to license our technology for their own manufacturing sources. We also partner with manufacturers and developers to create the latest fuel system technology. Our philosophy of continual product improvement and our environmental sensitivity create new technology and features which quickly become industry standards.

I N N O V A T I O N   A N D   D E D I C A T I O N