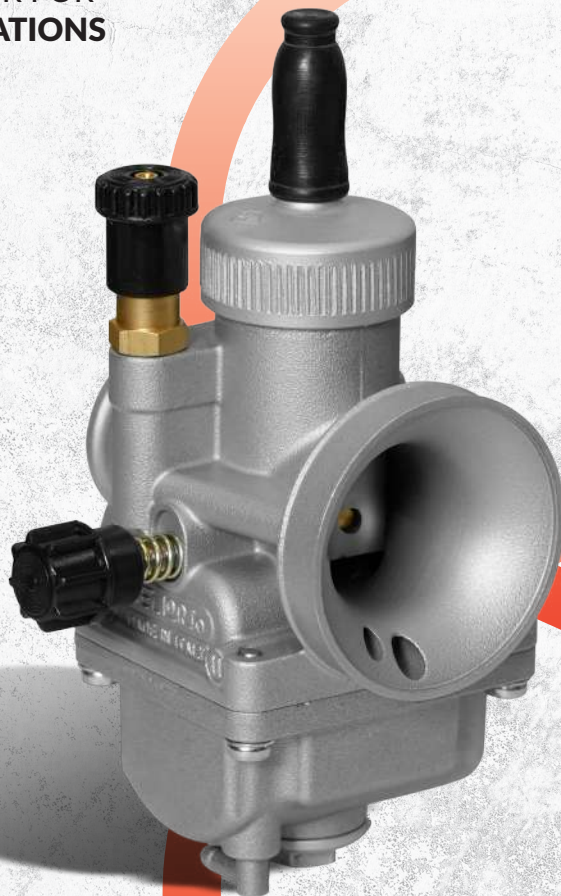


PHDG

ONE CARBURETTOR FOR
MULTIPLE APPLICATIONS



DELLORTO

PHDG

The new **PHDG** has been developed considering all the characteristics of high-performance, two-stroke and four-stroke engines. The available diffuser range is from **Ø18 to Ø24** to meet every need and application.

The circular cross-section **diffuser** is on axis with the duct and it has an optimized profile so to be able to achieve the best coefficient of efflux together with a greater air flow, leading to a substantial increase in power and usability.

The specific feature of the air intake profile ensures a prompt delivery and quick response when the throttle is opened.

The carburettor **body**, **bowl**, and **gas valve** are made of aluminum alloy, giving the product a light weight and an excellent heat dissipation.

Fortified by the RACING experience, the maximum air is obtained with a threaded pad, thus allowing a wide possibility of calibration optimization.

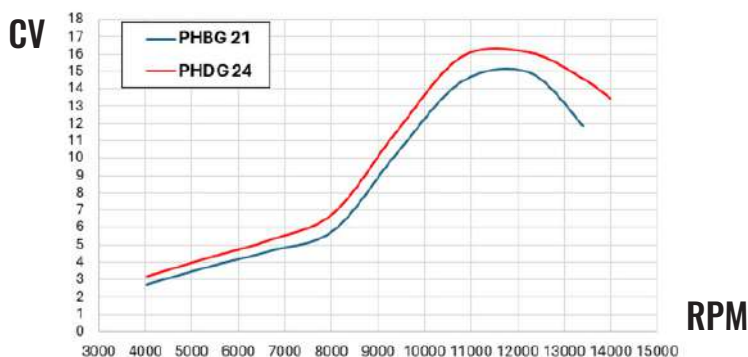
It is possible to have a **gasoline inlet seat** with a diameter from **100 to 225**, to cover the needs of the highest performing engine.

Maximum circuit schemes -with or without emulsion holes - are available to allow maximum efficiency and delivery performance with any type of engine. The **idle mixture screw** provides a wide range of adjustments and excellent sensitivity such that the correct idle title setting is always possible.

The **gas valve** is made of aluminum and it has a special surface treatment that guarantees high smoothness and anti-wear qualities.

The **gas valve cover** and **bowl cap** are anodized, combining a racing finish with high strength and light weight.

The carburettor body is equipped with a **vacuum intake and oil inlet connection** with a seal valve that excludes accidental filling of mixture oil.



STANDARD PHDG 24 BS

Unremovable parts (EI) and the ones in round brackets are not setting parts.

For setting parts please refer to the parts list on the Dell'Orto SpA catalogue

CARBURETTOR BODY

Venturi	Diameter engine fitting	Diameter air fitting
Ø 18 Ø 19 Ø 21	Ø 25	Ø 46
Ø 24	Ø 31	Ø 46

FEEDING

Float	4g	9450.01.80
Fuel inlet needle seat*	Ø 225	19997.225.01 EI
Float chamber level	6 mm	---

STARTING

Starting jet	60	9501.60.02
Starting air hole	400 EI	---

IDLING

Idle screw-open turns	2	---
Idle air	Ø 100	3740.100.01 EI
Idle air hole	100 EI	---
Idle jet	50	1488.50.02

PROGRESSION

Progression hole	120 EI	---
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MAIN

Atomizer	264 AU	9654.264.28
Nozzle	2 mm	9655.00.28 EI
Main jet	115	1486.115.02
Conical needle	W7/3^	9595.07.08
Gas valve	40	20001.40.64
Main air	free	11600.100.02

*the flow of the fuel intake seat Ø 225, with a gravity feeded carburettor and with a distance between the gas tank and carburettor of 40 cm is of 18l/h

The **total weight** of the PHDG carburettor complete with all calibration elements and accessories is **290 g**

DELLORTO

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