

DELORIO

PHF...A

30 - 32 - 34 - 36

APPLICATION
FOR 4 CYCLE ENGINES
125CC AND ABOVE

GENERAL FEATURES

- Concentric carburetor with sidedraft barrel.
- Choke diameters: 30-32-34-36
- Piston type throttle valve.
- Constant level float chamber, centrally placed with dual body float.
- Starting device at independent circuit.
- Idle circuit with jet centrally placed and mixture adjusting screw.
- Mechanical adjustment of mixture by means of jet needle.
- Diaphragm accelerating pump mechanically controlled, with suction valve, delivery valve and jet.
- Clip connection with heat insulating bushing from $\phi 45$ to $\phi 42$.
- Suitable to be fitted with air intake tubes.

Carburetors PHF...A, can be supplied either with adjusting screws at right or at left (looking at the carburetor body from the air intake tube side) bearing symbols PHF...AD if "right" and PHF...AS if "left".

FUNCTION

A) STARTING

The fuel arrives to the fuel connector (14) and through the filter (13) reaches the fuel passage valve (15), where the needle (16), attached to the float bowl (17) maintaining the fuel flow to the float bowl is connected with the atmospheric pressure through the passage (12). With the starter valve (8) in open position, actuated by the lever (7), the fuel regulated by the jet (11), passes through the emission passage (10), then mixes with the air coming from the canal (9), and reaching the chamber (5), mixes with the air, passing through the hole (6) and through the canals (3 & 4), reaches the main carburetor duct (1) by-passing the slide (2).

