

TECHNICAL INFORMATION

Prepared on: 14 July 2023



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Product name: disposable spray cup system for spray guns and mixing lacquer and primer APP FPS Fast Preparation System.

**APP No.: 250763, 250764, 250765, 250766, 250767, 250768
and 250760, 250761, 250762.**

A disposable spray cup system designed for use with top tank spray guns and for mixing paints and lacquers with hardeners and thinner in various proportions. Made of durable plastic resistant to the chemicals used in refinishing and industrial paint shops. Precise graduations enable the desired amount of product ready for spraying to be obtained with the correct mixing ratios. The use of an internal soft cup completely insulates the paint from the environment and allows working in any position of the spray gun.

Basic ingredients.

- Internal PE soft cups and lids with integrated 125 or 190 micron paint filters.
- Stoppers to seal the soft cup with a lid.
- PP hard outer cups with graduation for mixing and cap.
- FPS connectors to attach the spray cup to the spray gun.

Cup capacity	Integrated strainer with lid	Index of soft cup sets with lid	Index of hard cup sets with cap
400 ml	125 µm	250763	250760
	190 µm	250764	
650 ml	125 µm	250765	250761
	190 µm	250766	
850 ml	125 µm	250767	250762
	190 µm	250768	

Spray gun model	Thread	connector name	connector index
NTools FX1 HPS Plus, FX2 HPS Plus Devilbiss DV1, GTI, GTI ProLite, FLG	3/4" BSP	APP FPS 15	250770
Iwata WS400, LS400, W300 AirGuns AZ3HTE, AZ4HTE	1/4" BSP	APP FPS 43	250771
NTools FX3 Plus, FX4 Plus Iwata W400 Classic Plus, LPH400	M16 x 1,5	APP FPS 02	250772
Sata QCC 5500, 5000, 4000, 3000, 1000	QCC	APP FPS 40	250773
NTools FX3 Mini Graco LT100 Mini, Star SV-106T Mini	M14 x 1,0	APP FPS 21	250774

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Colour.	Clear, colourless with black scales for mixing and a black capacity scale
Capacity.	Total / Working capacity 400/350 ml, 650/600 ml, 850/800 ml.
Mixing ratios.	Volumetric: 2:1, 3:1, 4:1, 5:1, 7:1, 10:1
Thinner addition.	10%, 20% and 30% of the sum of the volume of the curing product and hardener.
Volume scale.	From 50 ml to maximum working volume with markers in 50 ml increments.

Intended use The spray cup system is designed to work as a drop tank with a strainer for the spray gun used, with simultaneous use for volumetric and weight mixing of products with hardeners in proportions according to their application recipe and for adjusting the spray viscosity of the finished spray product.
An inner soft cup with lid, sealed with a stopper, allows temporary storage of single-component paints and lacquers.

Advantages of the system

- Savings of up to 70 per cent in gunwash solvent consumption.
- Quick colour change.
- Saving on material costs when painting - one cup for mixing and painting.
- Three capacities to optimise the cost of paint and lacquer cups for typical paint repairs (single parts, parts groups, side).
- System FPS connectors adapted to typical makes and models of paint spray guns.
- Option to operate the spray gun at any angle of inclination.
- Airtight lid with stopper for temporary storage of paint.
- Leak-proof system and simple and secure installation.

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Application

- Attach the appropriate FPS connector on the spray gun to the spray cup connector.
The connection must be tight and mechanically resistant.
- Place the soft inner cup inside the hard outer cup and select a graduation for mixing.
- Mix the paint according to the recipe and mixing ratio for the ready-to-spray paint mixture.
- Place the lid with integrated strainer on the soft cup and press it down as far as it will go.
The connection to the soft cup must be tight.
- Place the nut on the hard cup and tighten it all the way.
- Place the FPS connector previously fitted to the gun on the nozzle of the cup and press it down all the way and then turn it by $\frac{1}{4}$ of a turn.
- During painting, it is possible to operate the spray gun at any angle up to and including 180° .
- After painting, disconnect the compressed air hose, turn the gun cup side down and depress the gun trigger so that the paint flows out of the gun and back into the cup.
- Disconnect the cup from the gun in the reverse manner to its assembly. Close the nozzle of the soft cup tightly with the cap. Unscrew the cap from the hard cup and remove the soft cup with the lid. In case of a problem with removal, push it gently upwards through the hole in the bottom of the hard outer cup.

Advantages of the cups

- The outer cup is rigid and has a reinforced rim and bottom and is made of mechanically and chemically resistant polypropylene.
- The hard cup has a large hole in the bottom to push out the soft cups in case of problems with removal.
- The outer hard cup has a permanent print.
- The product has easily readable scales for mixing with a large number of graduations.
- The product has a capacity scale with graduations in 50 ml increments.

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Advantages of the cups

- Highly flexible and chemically resistant inner soft cup made of polyethylene to allow operation in any position of the spray gun.
- The absence of a vent completely insulates the paint from the external environment and eliminates cup dripping at certain working angles.
- Universal cup holder with connector for use with other similar type systems.

Storage



If stored correctly, the product does not have a limited shelf life.
Store in closed original packaging in a dry and well-ventilated room.
Protect from direct sunlight.

Occupational health and safety regulations



Make sure to use the correct personal protective equipment both inside and outside the spray booth.
Always refer to the Material Safety Data Sheet (MSDS) provided by the manufacturer to ensure safe handling of the paint materials used.
The user must comply with the occupational health and safety regulations in force in the country concerned.

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