

“SNORKEL” PCAir Distribution System

Snorkel 315: 38 m total length, single air outlet

Snorkel 400: 34 m total length, double air outlet



SNORKEL 315

The air duct having a max total length of 38 m, is articulated in 5 mobile sections of PVC rigid tube, each section having 5 m length. The single sections are connected one to the other by air tightening rotating junctions. The five central sections are supported, at the lower ends, by two pairs of pivoting wheels having 200 mm diameter, at 700 mm distance, in order to prevent the possible overturning, while the two end sections are supported by the rotating junctions also acting as articulating joints.

The duct - tubes and elbows - is manufactured in PVC having 315 mm inner diameter and proper wall thickness.

An insulating coating is available as option, manufactured in silicon fibreglass with K-Flex foam insulating layer and stainless steel fixing elements.

Air tightness inside the rotating junctions is granted by special gaskets; tubes are connected to elbows by means of stainless steel bolts at radial positions.

Rotating junctions are equipped with a rod, in the position of the rotating axis, acting as a tie-rod, assuring the stability of junctions themselves. A handle allows an easy handling of the connected elements.

The first section, near the PCA unit, is fixed to ground by means of pin and plate installed on the apron concrete by bolts, while the other sections are free to move.

The last section ends by a flexible hose, 4 m long, to be connected to the aircraft. The flexible hose, when not in use, finds place in a storing basket.



A big round section handle allows an easy and accurate handling of the last section. The Snorkel can be extended, operated and retracted to parking position by one operator only.

The Snorkel is connected to the PCAir unit by means of a flexible hose.

SNORKEL 400

The air duct having a total length of 34 m, is articulated in 5 mobile sections of PVC rigid tube, each section having 6 m length. The single sections are reciprocally connected by air tightening rotating junctions.

The three central sections are supported, at the lower ends, by two pairs of pivoting wheels having 200 mm diameter, at 700 mm distance, in order to prevent the possible overturning, while the two end sections are supported by rotating junctions also acting as articulating joints.

The duct - tubes and elbows - is manufactured in PVC having 400 mm inner diameter and proper wall thickness.

An insulating coating is available as option, manufactured in silicon fibreglass with, K-Flex Foam as insulating layer and stainless steel fixing elements.

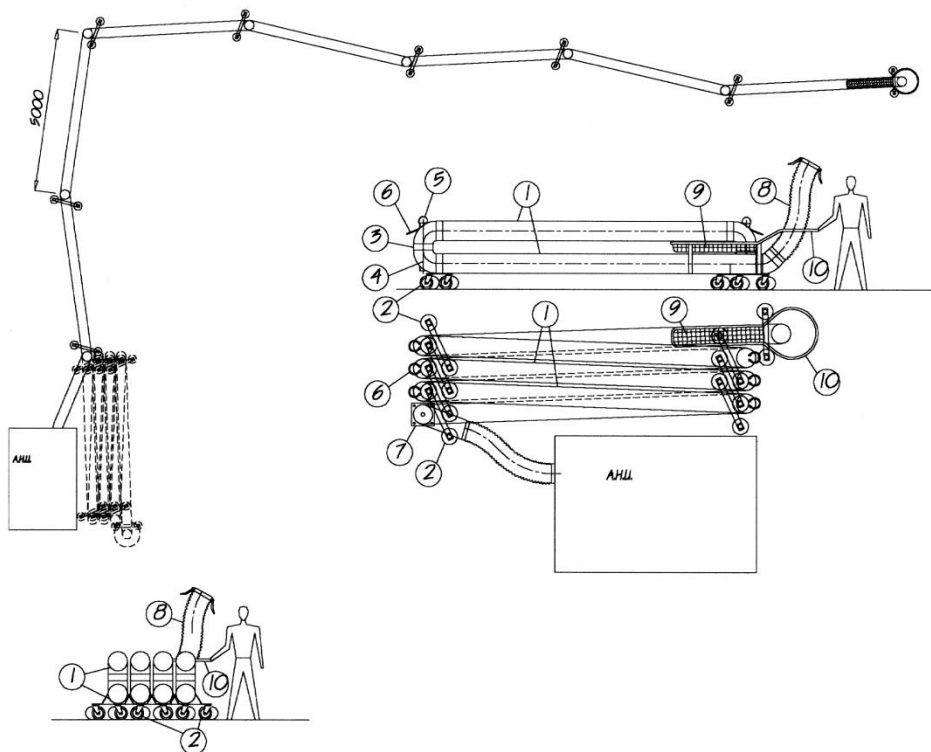
Air tightness inside the rotating junctions is granted by special gaskets; tubes are connected to elbows by means of stainless steel bolts at radial positions.

Rotating junctions are equipped with a rod, in the position of the rotating axis, acting as a tie-rod, assuring the stability of junctions themselves. A handle allows an easy handling of the connected elements.

The first section, near the PCA unit, is fixed to ground by means of a pin and plate installed on the apron concrete by bolts, while the other sections are free to move.

The last section ends by a double outlet: each outlet is equipped with a flexible hose, 4 m long, to be connected to the aircraft. The second outlet is equipped with a butterfly valve to allow the air supply by one or two outlets, as required. The flexible hoses, when not in use, find place in a storing basket. Braked wheels prevent the accidental movement of the Snorkel. A big round section handle allows an easy and accurate handling of the last section. The system needs only one person to be operated.

The Snorkel is connected to the PCAir unit by means of a «Y» shaped air inlet, made in rigid PVC. Motor actuated butterfly valves, installed on both PCAir outlets allow the automatic selection of the number of outlets to be operated.



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