



# Pre-Conditioned Air (PCA) Flat Hoses, Rigid Duct Hoses, Sections & Accessories

Made in Belgium by DAVIATION BV



Pre-Conditioned Air  
PCA ADAPTER BUILT TO LAST  
NO MAINTENANCE  
FOR HOT AND COLD EXTREMES  
CHEMICALS AND UV RESISTANT





**AeroCouplings®**

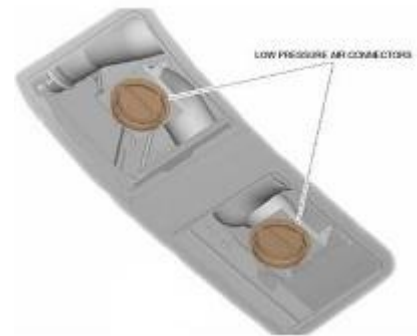
Producer Pre-Conditioned Air (PCA) Inlet  
Coupler



## ABOUT US

- Aerocouplings, develops, tests and manufactures Pre-Conditioned Air (PCA) Inlet Coupler/Adapter/Connector and PCA Hose installations for the aeronautical industries. (Airports, Handling companies, Airlines and private users.)
- Deliveries throughout Europe and the rest of the world are prompt and right on time.
- Aerocouplings is a Belgium based company established in 1997 and started with the mass production in 2007. We managed to increase business together with the expansion of the production facilities, warehouses and up-to-date testing facilities in a short period of time.
- We stand for top quality products, client first service and worldwide on-time deliveries.
- With over 25 years of experience in the airline industry.
- We do have a 6000 m<sup>2</sup> productions site, with state of the art CNC machinery and own testing facilities. Own molding and injection machines.





## COMPLIES WITH ISO 1034

Diameter: 4 inch , 8" or 12" ,or 14" according to ISO 1034.

(Swivel or not )

ISO1034:1973 Gives the requirements for 127 mm and 203 mm connections (8 inches or 12 inches) for the purpose of air-conditioning from ground sources. The connections shall comply with the basic dimensional requirements.. The ground unit must not project more than 14,0 mm beyond the sealing plane except through defined openings.

International Standard ISO 1034 replaces ISO Recommendation R 1034-1969 drawn up by Technical Committee ISO/TC 20, Aircraft and space vehicles



## GENERAL - ADVANTAGES

- Aircraft Pre-Conditioned Air (PCA) Inlet Coupler/Adapter/Connector is designed for use with aircraft air conditioning and heating units.
- The PCA adapter/coupler connects PCA hoses/ducting or a PCA hose reducers to aircraft. The high-impact polyurethane body and amorphous nylon construction offer unmatched overall durability. The stainless steel clamps and hardware will not corrode. Two security handles lock the coupler in place to guarantee aircraft cabin temperatures maintain the desired levels.
- This PCA connector quickly installs and attaches to the aircraft in seconds without the need for connection tools.

## PROPERTIES

Diameter: 8"

Maintenance-free

Fits ATA standard flange grip

Will not dent

Withstands hot and cold temperature extremes

Resistant to ramp chemicals and UV rays

Stainless steel clamps & hardware will not corrode

Ergonomic handles for convenient carrying

PART NUMBER	
ACPCA035	8 inch PCA yellow
ACPCA033	8 inch PCA black.
ACPCA033	8 inch PCA aluminium
ACPCA043	8 inch PCA swivel / 45°
ACPCA038	PCA replacement rubber top
ACPCA038G	PCA screen
ACPCA035	PCA 12 inch





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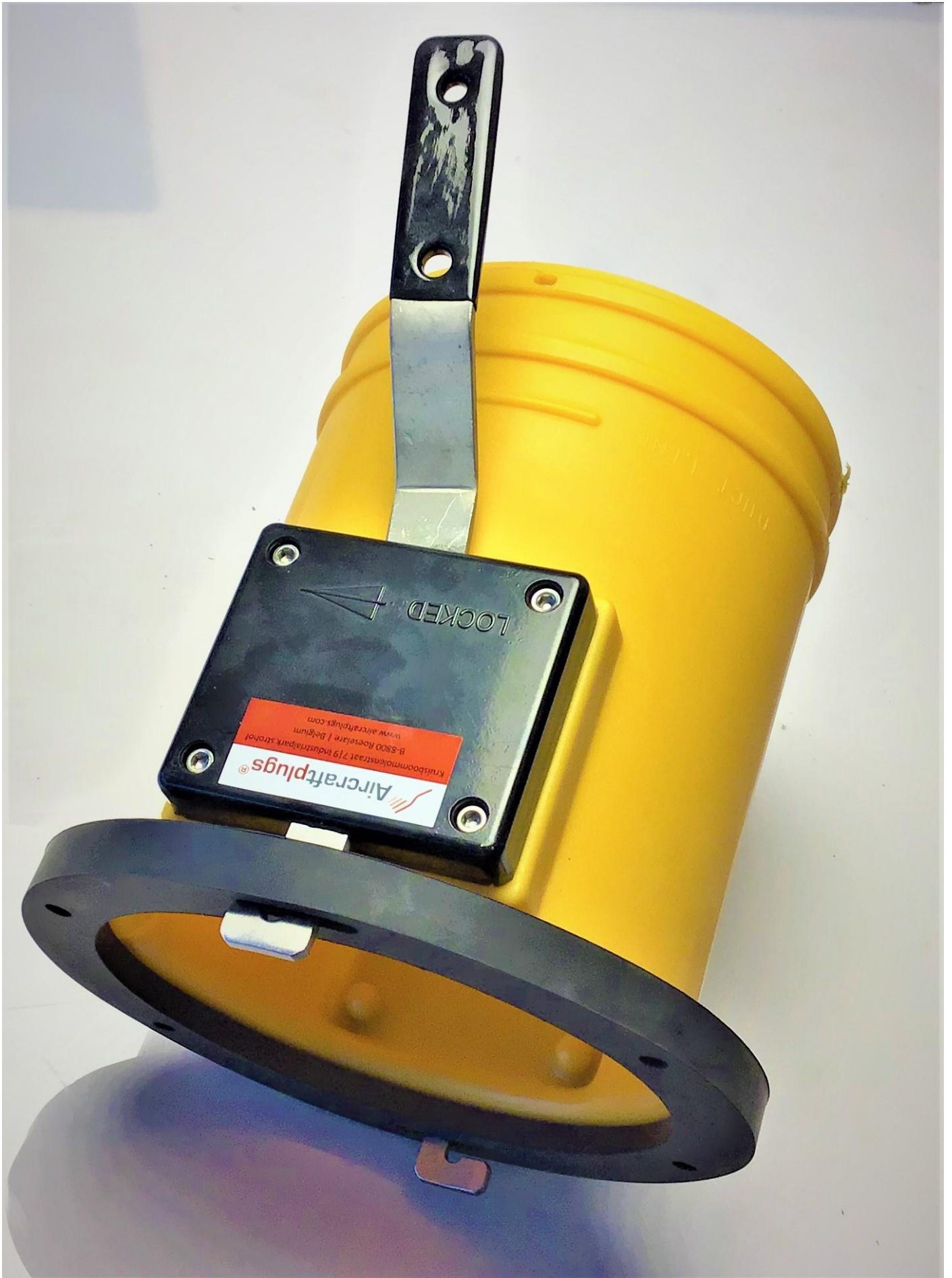
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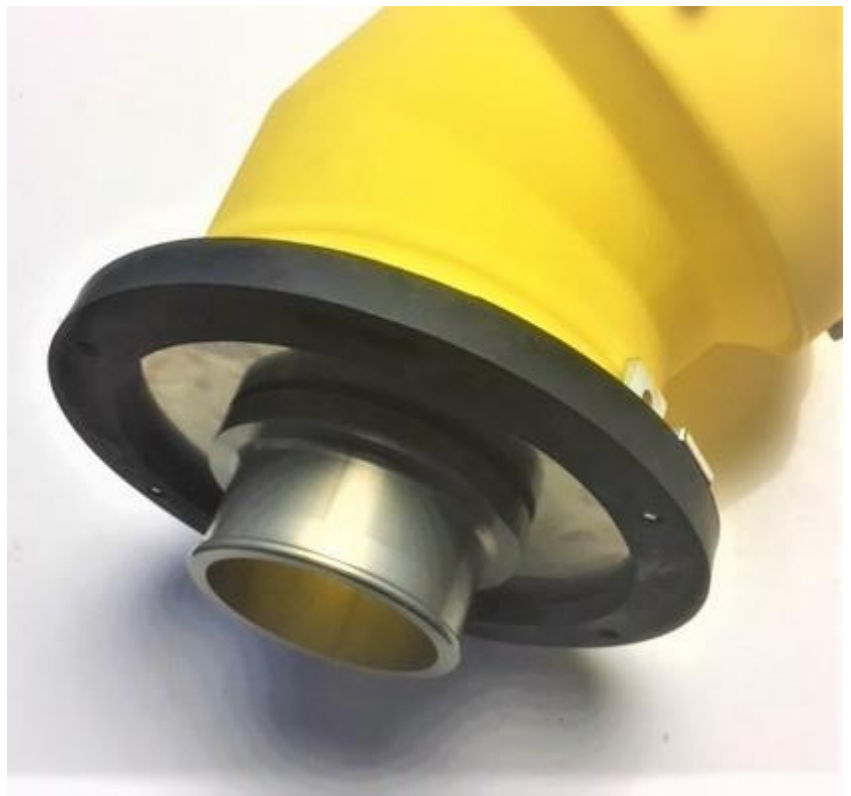




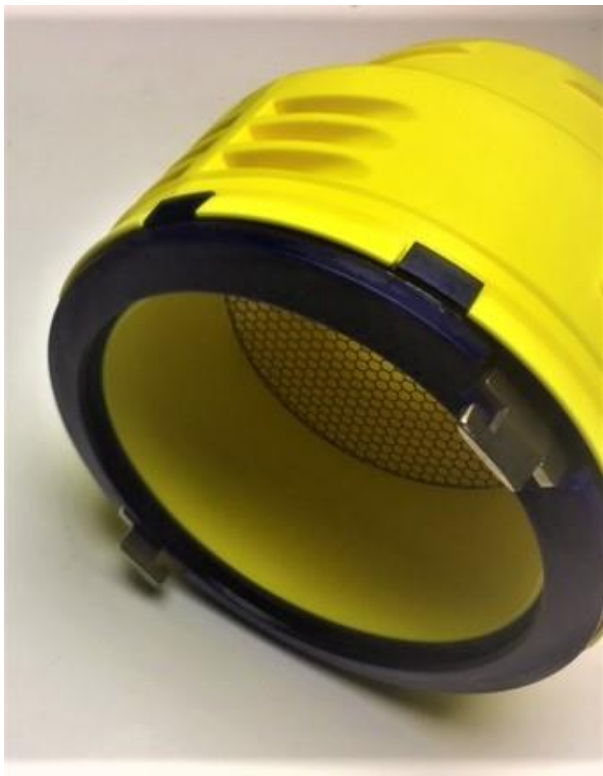




## 4 inch PCA adapter / with or without swivel



with or without swivel





# AIRSTARTHOSSES



## Celeste PCA® Hose

Fabrics are flame resistant in accordance with the UL94VTM-O Testing Methods.  
Abrasion resistant scuff strip



## Celeste PCA® Hose

Fabrics are flame resistant in accordance with the UL94VTM-O Testing Methods.  
Abrasion resistant scuff strip

## TECHNICAL DATA

### **Celeste PCA® Hose**

Available insulated or non-insulated and in any diameters ranging from 5 inches to 36 inches. Various lengths are available to suit your needs from 3 feet to 40 feet. Ducts can be finished with plain cuffs, zippers, Velcro or a combination thereof.

Steel wire or polymer wire reinforced.

Advantage of our polymer reinforced wires is the durability and flexibility.

Large stock levels., designed for use with aircraft air conditioning and heating units..

Fabrics are flame resistant in accordance with the UL94VTM-O Testing Methods.

Abrasion resistant scuff strip

## PARTNUMBERS

### Celeste PCA® Hose

HOSE PART	Configuration
ACP-Celeste-PCA-8 inch – specify length	Celeste AERO® Hose 8 inch
ACP-Celeste-PCA-10 inch – specify length	Celeste AERO® Hose 10 inch
ACP-Celeste-PCA-12 inch – specify length	Celeste AERO® Hose 12 inch
ACP-Celeste-PCA-12 inch – specify length	Celeste AERO® Hose 14 inch
ACP-Celeste-PCA-Tailor made	Celeste AERO® Hose - Specs

## TECHNICAL DATA

### Celeste PCA® Hose

Available insulated or non-insulated and in any diameters ranging from 5 inches to 36 inches. Various lengths are available to suit your needs from 3 feet to 40 feet. Ducts can be finished with plain cuffs, zippers, Velcro or a combination thereof.

Abrasion resistant scuff strip

Cuff zippers and Velcro strips to allow for longer duct assemblies

Available with inside diameters of 8, 10, 12 and 14 inches

Tolerant to temperature variations of -40°F to +125°F

Minimum R-value of 8.0 or greater



## PARTNUMBERS

## Celeste PCA® Hose FLAT

HOSE PART	Configuration
FLAT-Celeste-PCA-8 inch – specify length	Celeste AERO® Hose 8 inch
FLAT-Celeste-PCA-10 inch – specify length	Celeste AERO® Hose 10 inch
FLAT-Celeste-PCA-12 inch – specify length	Celeste AERO® Hose 12 inch
FLAT-Celeste-PCA-12 inch – specify length	Celeste AERO® Hose 14 inch
FLAT-Celeste-PCA-Tailor made	Celeste AERO® Hose - Specs

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**BUILT TO EXCEED THE DEMANDING NEEDS OF THE GLOBAL AVIATION INDUSTRY**

## Celeste PCA® Hose ADAPTERS

Guidelines to mention upon ordering PCA hoses

Insulated ?  
Hard/Soft Velcro inside or outside  
Spiral or layflat ?  
Tampered ?

## **Celeste PCA® HF radiowelding and commercial sewing services**

Our list of possibilities is endless.

We provide high quality services for wide variety of industries and sectors.

From ventilation- and heating hose, industrial curtains,...

Repairs, mass production, we will help you to select the right material for your ideal product.

All products are made in Belgium.



Celeste® PCA WYE



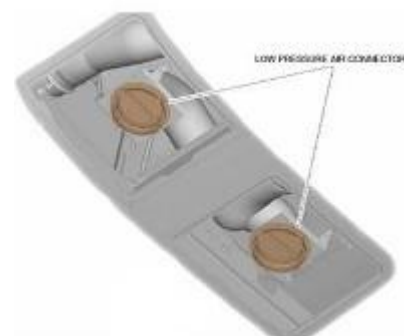




## PARTNUMBERS

### Celeste PCA® Hose Supports

HOSE PART	Configuration
ACP-Celeste-PCA-Supports	Specify requirements



## COMPLIES WITH ISO 1034

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