

## GEOVENT PERMA ARM Ø57mm & 76mm



### CONSTRUCTION

The PERMA Arm is constructed from anodized aluminium tube and with two molded plastic (POM) joints. Available in two sizes Ø57mm and Ø76mm. Equipped with removable black plastic covers for easy cleaning.

The flexible, self-supporting construction consists of 2 or 3 parts of durable aluminium tube, robust black plastic joints and a bracket for mounting. The PERMA arm requires a base for 360° rotation and ceiling/wall mounting.

Some of the PERMA Arm's key features of the program is the patented suspension system and the cleaning friendly arm joints.

### DESCRIPTION

The Geovent PERMA Arm is a versatile and robust benchtop extraction arm which is popular in a range of different industries.

The PERMA Arm comes in two configurations, consisting of the standard configuration for a number of different dust and fume applications and the ESD series which is suitable for use in the electronics industry (ESD approved) as well as for chemicals, plastics and engineering industries.

### FEATURES

- **Ø57mm arms - 50-90 m<sup>3</sup>/h**
- **Ø76 mm arms - 80-180 m<sup>3</sup>/h**
- Full aluminium construction for increased durability
- Patented spring suspension system
- Easy to replace & easy to clean plastic arm joints
- Variety of different length and hood options
- Can be used in a number of different industries and applications
- Mounting can be achieved for wall, ceiling and bench-top mounting with the use of a table bracket.

### PERMA ARM - CONFIGURED WITH THE DIFFERENT HOOD OPTIONS



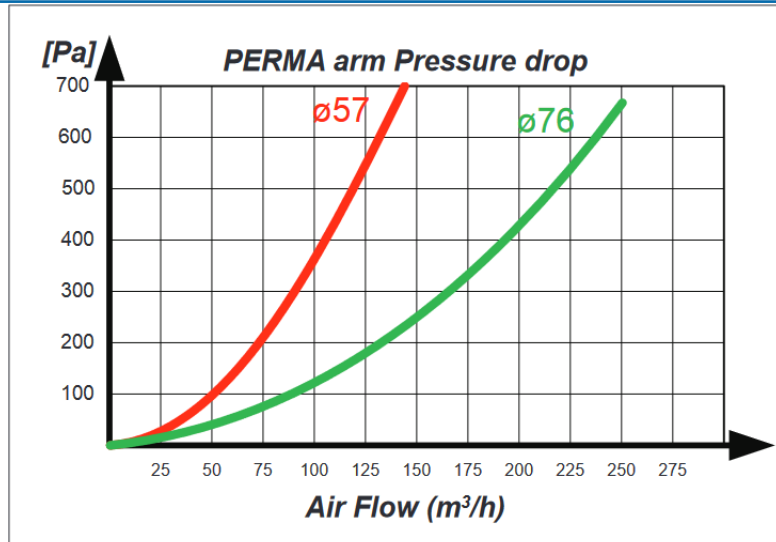
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## GEOVENT PERMA ARM Ø57mm & 76mm

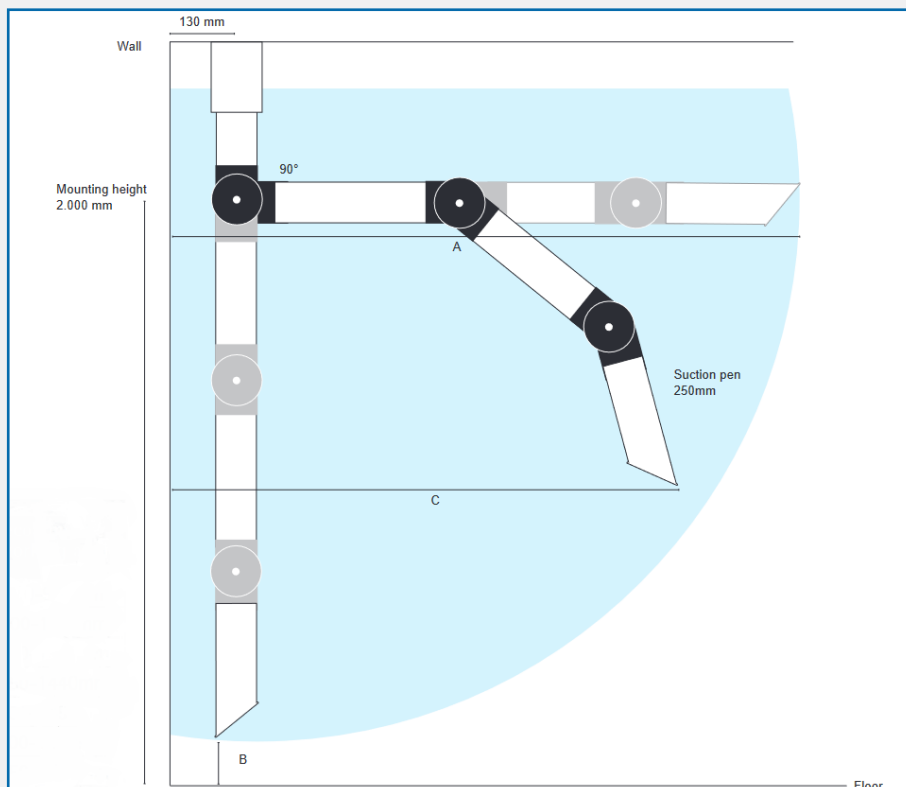
### PERMA ARM PRESSURE DROP

Guiding airflow:

ø57 mm 50-90 m<sup>3</sup>/h  
ø76 mm 80-180 m<sup>3</sup>/h



### PERMA ARM WORKING AREA



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## GEOVENT PERMA ARM - ORDERING TABLE

### STANDARD ARMS

These arms are suitable for environments where there are no special demands for chemical resistance or conductive characteristics. The extraction arms can be offered with white or black joints.

### ESD Arms

The antistatic extraction arms are suitable for use in ESD areas. Suitable for use in the electronics industry without the danger of static electricity affecting the extraction process.

### ORDERING TABLE - Ø57mm

10-300H/S	380 x 380 mm 2 Joint White or Black
10-301H/S	480 x 480 mm 2 Joint White or Black
10-302H/S	580 x 580 mm 2 Joint White or Black
10-303H/S	750 x 380 x 380 mm 3 Joint White or Black
10-304H/S	950 x 480 x 480 mm 3 Joint White or Black
10-305H/S	1150 x 580 x 680 mm 3 Joint White or Black
10-306H/S	1250 x 580 x 680 mm 3 Joint White or Black
10-307H/S	1350 x 680 x 680 mm 3 Joint White or Black
10-308H/S	1420 x 750 x 680 mm 3 Joint White or Black
10-309H/S	1490 x 750 x 750 mm 3 Joint White or Black

### ORDERING TABLE - Ø57mm ESD

10-350	380 x 380 mm 2 Joint
10-351	480 x 480 mm 2 Joint
10-352	580 x 580 mm 2 Joint
10-353	750 x 380 x 380 mm 3 Joint
10-354	950 x 480 x 480 mm 3 Joint
10-355	1150 x 580 x 680 mm 3 Joint
10-356	1250 x 580 x 680 mm 3 Joint
10-357	1350 x 680 x 680 mm 3 Joint
10-358	1420 x 750 x 680 mm 3 Joint
10-359	1490 x 750 x 750 mm 3 Joint

### ORDERING TABLE - Ø76 mm

10-400H/S	380 x 380 mm 2 Joint White or Black
10-401H/S	480 x 480 mm 2 Joint White or Black
10-402H/S	580 x 580 mm 2 Joint White or Black
10-403H/S	750 x 380 x 380 mm 3 Joint White or Black
10-404H/S	950 x 480 x 480 mm 3 Joint White or Black
10-405H/S	1150 x 580 x 680 mm 3 Joint White or Black
10-406H/S	1250 x 580 x 680 mm 3 Joint White or Black
10-407H/S	1350 x 680 x 680 mm 3 Joint White or Black
10-408H/S	1420 x 750 x 680 mm 3 Joint White or Black
10-409H/S	1490 x 750 x 750 mm 3 Joint White or Black

### ORDERING TABLE - Ø76 mm ESD

10-450	380 x 380 mm 2 Joint
10-451	480 x 480 mm 2 Joint
10-452	580 x 580 mm 2 Joint
10-453	750 x 380 x 380 mm 3 Joint
10-454	950 x 480 x 480 mm 3 Joint
10-455	1150 x 580 x 680 mm 3 Joint
10-456	1250 x 580 x 680 mm 3 Joint
10-457	1350 x 680 x 680 mm 3 Joint
10-458	1420 x 750 x 680 mm 3 Joint
10-459	1490 x 750 x 750 mm 3 Joint

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## GEOVENT PERMA ARM - MOUNTING OPTIONS

### MOUNTING

The PERMA arm can be either ceiling, wall or benchtop mounted and there are a number of brackets to ensure quick and easy installation. The table bracket can be supplied with a pipe through the bench or a bracket on the side of the table.

The Base for the PERMA arm allows wall and ceiling mounting, and can allow the PERMA arm to be rotated 360° for maximum maneuverability.

### BASE - MOUNTING BRACKET

Part No.	Description
10-315	Base for wall/ceiling L: 180 mm, connection $\varnothing$ 100 mm spiro pipe, $\varnothing$ 57
10-415	Base for wall/ceiling L: 180 mm, connection $\varnothing$ 100 mm spiro pipe, $\varnothing$ 76
10-500	Table bracket, install in $\varnothing$ 71 mm hole in the table, connection $\varnothing$ 63 mm NP, $\varnothing$ 57
10-500A	Table bracket, install in $\varnothing$ 88 mm hole in the table, connection $\varnothing$ 80 mm NP, $\varnothing$ 76

### BASE - MOUNTING BRACKET ESD



Part No.	Description
10-365	Base for wall/ceiling L:180 mm, connection $\varnothing$ 100 mm spiro pipe, ESD, $\varnothing$ 57
10-465	Base for wall/ceiling L: 180 mm, connection $\varnothing$ 100 mm spiro pipe, ESD, $\varnothing$ 76
10-365B	Table bracket, install in $\varnothing$ 71 mm hole in the table, connection $\varnothing$ 63 mm NP, ESD, $\varnothing$ 57
10-465B	Table bracket, install in $\varnothing$ 88 mm hole in the table, connection $\varnothing$ 80 mm NP, ESD, $\varnothing$ 76
10-365C	Table bracket, mounted on edge of table, connection $\varnothing$ 63 mm NP, ESD, $\varnothing$ 57
10-465C	Table bracket, mounted on edge of table, connection $\varnothing$ 80 mm NP, ESD, $\varnothing$ 76

### SOCKET PIPE



Part No.	Description
10-502	Socket pipe with side pipe - 250 mm
10-503	Socket pipe with side pipe - 350 mm
10-504	Socket pipe with side pipe - 500 mm
10-505	Socket pipe with side pipe - 750 mm
10-506	Socket pipe with side pipe - 1000 mm

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# GEOVENT PERMA ARM - MOUNTING OPTIONS & HOODS

## STRAIGHT PIPE FOR WALL AND CEILING MOUNTING



Part No.	Description
10-507	Pipe white ø100 - 500 mm
10-508	Pipe white ø100 - 1000 mm
10-509	Wall bracket for pipe, 75 mm from the wall
10-509A	Wall bracket for base/pipe - ø100 mm
10-511	Ceiling bracket open ø100 mm - 200x200 mm
10-512	Branch pipe ø100 mm, 620x250 mm - used for 1 outlet and 2 arms
10-514	Support bracket for ceiling pipes

### ACCESSORIES

The Geovent PERMA Arm can be supplied with a range of different hood configurations and accessories including hood attachments and optional additional flexible hose for each type of hood, the flexible hose allows the replacement the suction hood/screen whilst also acting as a pivot point.

### PERMA ARM HOODS

The clear hoods available from Geovent are constructed in impact resistant polycarbonate with a diameter of up to 380 mm. Hoods are also available in aluminium for increased heat resistance. All hoods are supplied with a rotary damper to open and close the passage of air.

## ROUND HOOD



Arm Type	Part No.	Description
Ø57 mm	10-316	Round hood Ø380 mm /w damper for Ø57 mm PERMA Arm
Ø76 mm	10-416	Round hood Ø380 mm /w damper for Ø76 mm PERMA Arm
Ø57 mm	10-316A	Hood ø280 mm, polycarbonate, ø57
Ø76 mm	10-416A	Hood ø280 mm, polycarbonate, ø76

## FLAT HOOD



Arm Type	Part No.	Description
Ø57 mm	10-323	Flat hood 340 x 250 mm /w damper for Ø57 mm PERMA Arm only
Ø76 mm	10-425	Hood 340x250 mm, polycarbonate, ø76

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## GEOVENT PERMA ARM - EXTRACTION HOODS

### CONICAL HOOD



Arm Type	Part No.	Description
Ø57 mm	10-317	Conical hood Ø250 mm /w damper
Ø57 mm	10-318	Conical hood Ø250 mm /w flexi pipe 300mm & damper
Ø57 mm	10-319	Conical Hood Ø250mm /w straight edge dampers
Ø57 mm	10-320	Conical Hood Ø250mm /w flexi pipe 300mm & straight edge dampers
Ø57 mm ESD	10-372	Conical Hood Ø150mm /w adjustable hose 400mm & damper
Ø76 mm	10-417	Conical Hood Ø mm /w damper
Ø76 mm	10-418	Conical Hood Ø250mm /w flexi pipe 300 mm & damper
Ø76 mm	10-419	Conical Hood Ø250mm /w straight edge dampers
Ø76 mm	10-420	Conical Hood Ø250mm /w flexi pipe 300mm & straight edge dampers

### ALUMINIUM HOOD



Arm Type	Part No.	Description
Ø57 mm	10-321	Aluminium hood conical Ø150 mm /w damper
Ø57 mm ESD	10-366	Aluminium hood conical Ø150 mm w/damper
Ø76 mm	10-421	Aluminium hood conical Ø150 mm w/damper
Ø76 mm ESD	10-466	Aluminium hood conical Ø150 mm w/damper

### OVAL HOOD



Arm Type	Part No.	Description
Ø57 mm	10-329	Hood oval 140x180 mm, polycarbonate, ø57
Ø57 mm ESD	10-382	Hood oval 140x180 mm, polycarbonate, ESD, ø57

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## GEOVENT PERMA ARM - EXTRACTION HOODS

### EXTRACTION PEN HOOD



Arm Type	Part No.	Description
Ø57 mm	10-324	Extraction Pen Hood 250 mm w/damper
Ø57 mm	10-325	Extraction Pen Hood 350 mm w/damper
Ø57 mm ESD	10-367	Extraction Pen Hood 250 mm w/damper
Ø57 mm ESD	10-368	Extraction Pen Hood 350 mm w/damper
Ø76 mm	10-422	Extraction Pen Hood 250 mm w/damper
Ø76 mm	10-423	Extraction Pen Hood 350 mm w/damper
Ø76 mm ESD	10-467	Extraction Pen Hood 250 mm w/damper
Ø76 mm ESD	10-468	Extraction Pen Hood 350 mm w/damper
Ø57 mm	10-324A	Suction pen L: 250 mm, press flange, ALU, ø57
Ø57 mm	10-325A	Suction pen L: 350 mm, press flange ALU, ø57
Ø57 mm ESD	10-367A	Suction pen L: 250 mm, press flange, ALU, ESD, ø57
Ø57 mm ESD	10-368A	Suction pen L: 350 mm, press flange ALU, ESD, ø57
Ø76 mm	10-422A	Suction pen L: 250 mm, press flange, ALU, ø76
Ø76 mm	10-423A	Suction pen L: 350 mm, press flange ALU, ø76
Ø76 mm ESD	10-467A	Suction pen L: 250 mm, press flange, ALU, ESD, ø76
Ø76 mm ESD	10-468A	Suction pen L: 350 mm, press flange ALU, ESD, ø76

### EXTRACTION PEN HOOD /W FLEXIBLE HOSE



Arm Type	Part No.	Description
Ø57 mm	10-326	Suction pen L: 150 mm with flextube 300 mm, ALU, ø57
Ø57 mm ESD	10-369	Suction pen L: 150 mm with flextube 300 mm, ALU, ESD, ø57
Ø57 mm ESD	10-370	Suction pen L: 150 mm with flextube 600 mm, with damper, ALU, ø57
Ø57 mm ESD	10-371	Suction pen L: 150 mm with flextube 900 mm, with damper, ALU, ø57
Ø76 mm	10-424	Suction pen L: 150 mm with flextube 300 mm, ALU, ø76
Ø76 mm ESD	10-469	Suction pen L: 150 mm with flextube 300 mm, ALU, ESD, ø76
Ø57 mm	10-326A	Suction pen press flange L: 150 mm with flextube 300 mm, ALU, ø57
Ø76 mm	10-369A	Suction pen press flange L: 150 mm with flextube 300 mm, ALU, ø76
Ø57 mm ESD	10-424A	Suction pen press flange L: 150 mm with flextube 300 mm, ALU, ESD, ø57
Ø76 mm ESD	10-469A	Suction pen press flange L: 150 mm with flextube 300 mm, ALU, ESD, ø76

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## GEOVENT PERMA ARM - EXTRACTION HOODS

### PAINTED ROUND HOOD



Arm Type	Part No.	Description
Ø57 mm ESD	10-374	Hood ø380 mm, painted polycarbonate, ESD, ø57
Ø57 mm ESD	10-374A	Hood ø280 mm, painted polycarbonate, ESD, ø57
Ø76 mm ESD	10-470	Hood ø380 mm, painted polycarbonate, ESD, ø76
Ø76 mm ESD	10-470A	Hood ø280 mm, painted polycarbonate, ESD, ø76

### PAINTED CONICAL HOOD



Arm Type	Part No.	Description
Ø57 mm ESD	10-375	Hood conical, ø250 mm, painted polycarbonate, ESD, ø57
Ø76 mm ESD	10-471	Hood conical, ø250 mm, painted polycarbonate, ESD, ø76

### PAINTED CONICAL HOOD (STRAIGHT EDGE)



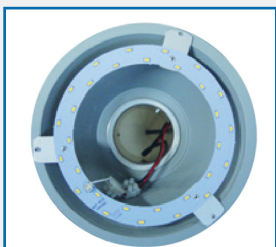
Arm Type	Part No.	Description
Ø57 mm ESD	10-377	Hood conical, straight edge, ø250 mm, painted polycarbonate, ESD, ø57
Ø76 mm ESD	10-473	Hood conical, straight edge, ø250 mm, painted polycarbonate, ESD, ø76

### PAINTED FLAT HOOD



Arm Type	Part No.	Description
Ø57 mm ESD	10-380	Hood 340x250 mm, painted polycarbonate, ESD, ø57
Ø76 mm ESD	10-475	Hood 340x250 mm, painted polycarbonate, ESD, ø76

### LED KIT



Part No.	Description
10-477	LED kit for PERMA, incl. trafo

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