

Laboratory Arm

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Operations manual

Laboratory Arm

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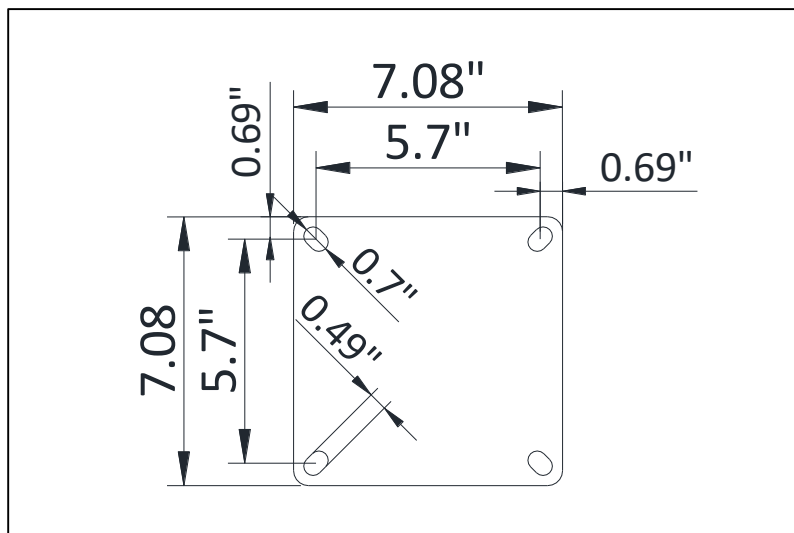
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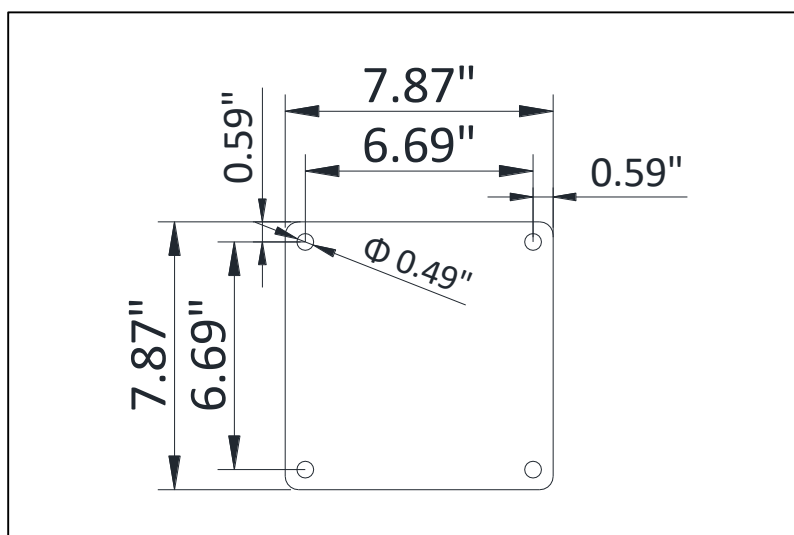
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Ceiling and Wall Mount Bracket Specifications



LA-0305-CM / LA-0305-WM / LA-0405-WM



LA-0405-CM

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Parts Description

Refer to the following figures and descriptions to better understand the instructions in this manual.

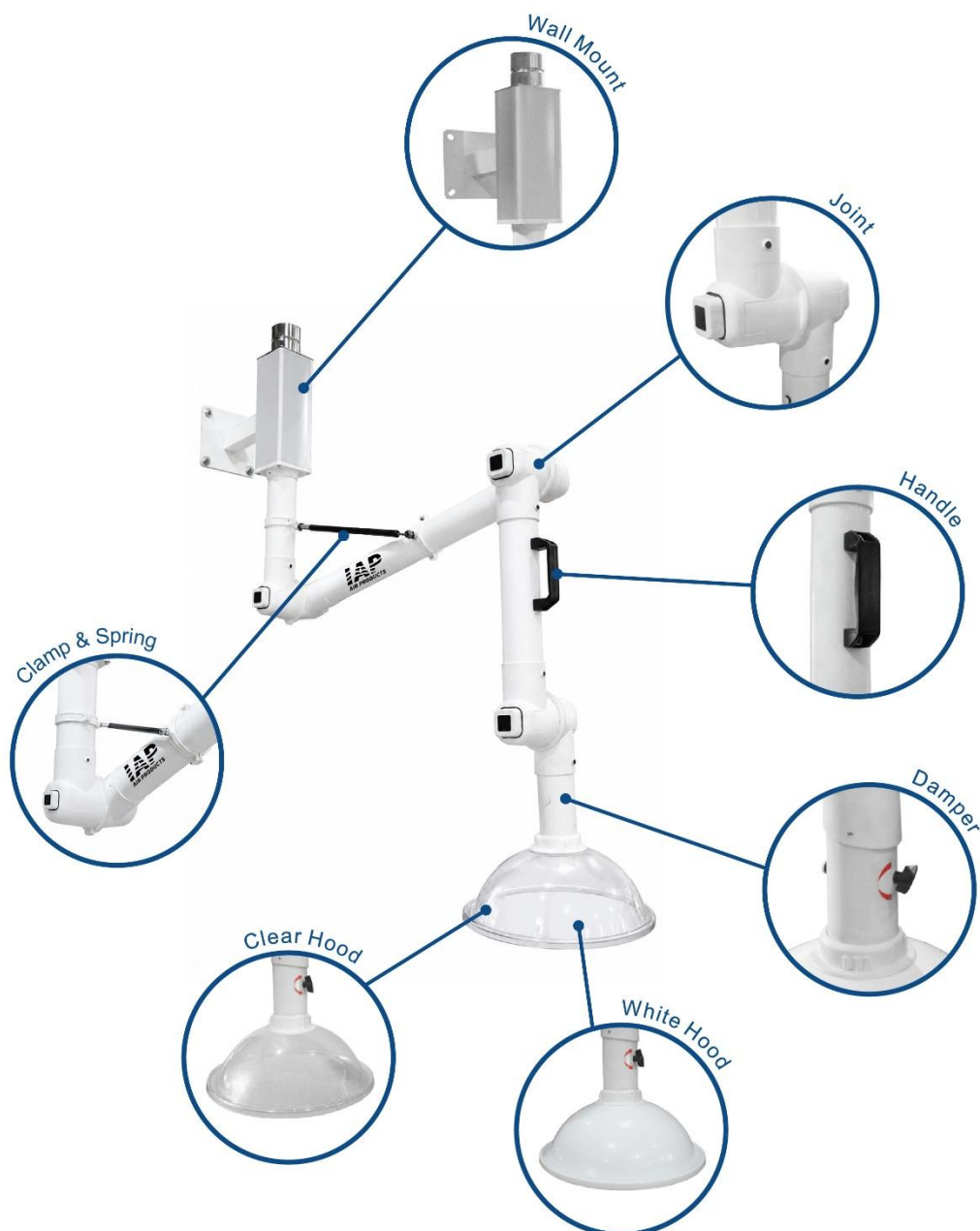
LA-0305-CM



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LA-0305-WM



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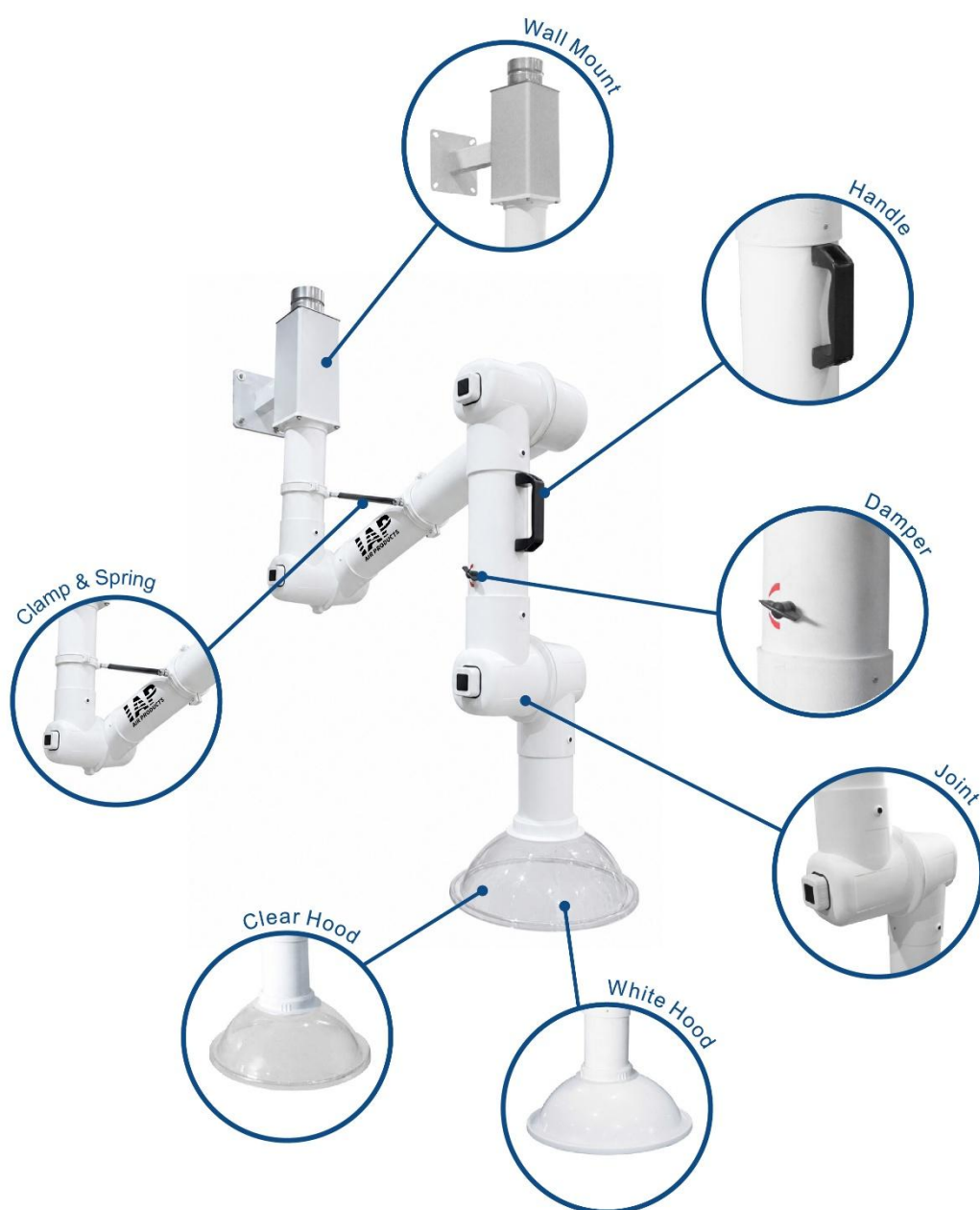
LA-0405-CM



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LA-0405-WM



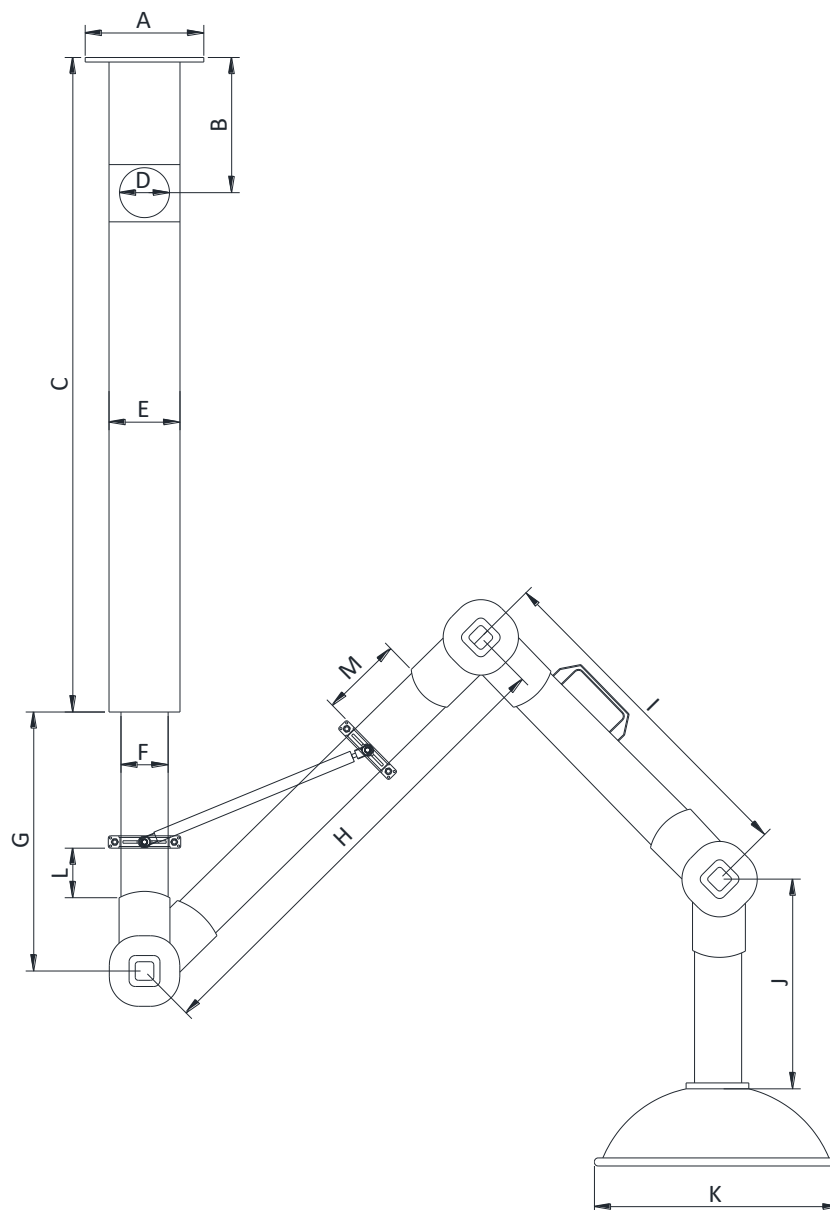
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Dimensions (in inches)

Ceiling Mount Laboratory Arm

Part number	Dimensions [inches]													CFM range [cfm]
	A	B	C	D	E	F	G	H	I	J	K	L	M	
LA-0305-CM	7.1	8	39.4	3	4.3	3	13.5	30	18.5	9.5	14.8	1.8	7.9	90-150cfm
LA-0405-CM	7.9	8	39.4	4	5.3	4	15.5	32.5	19.5	11.5	14.8	2.2	7.1	175-270cfm

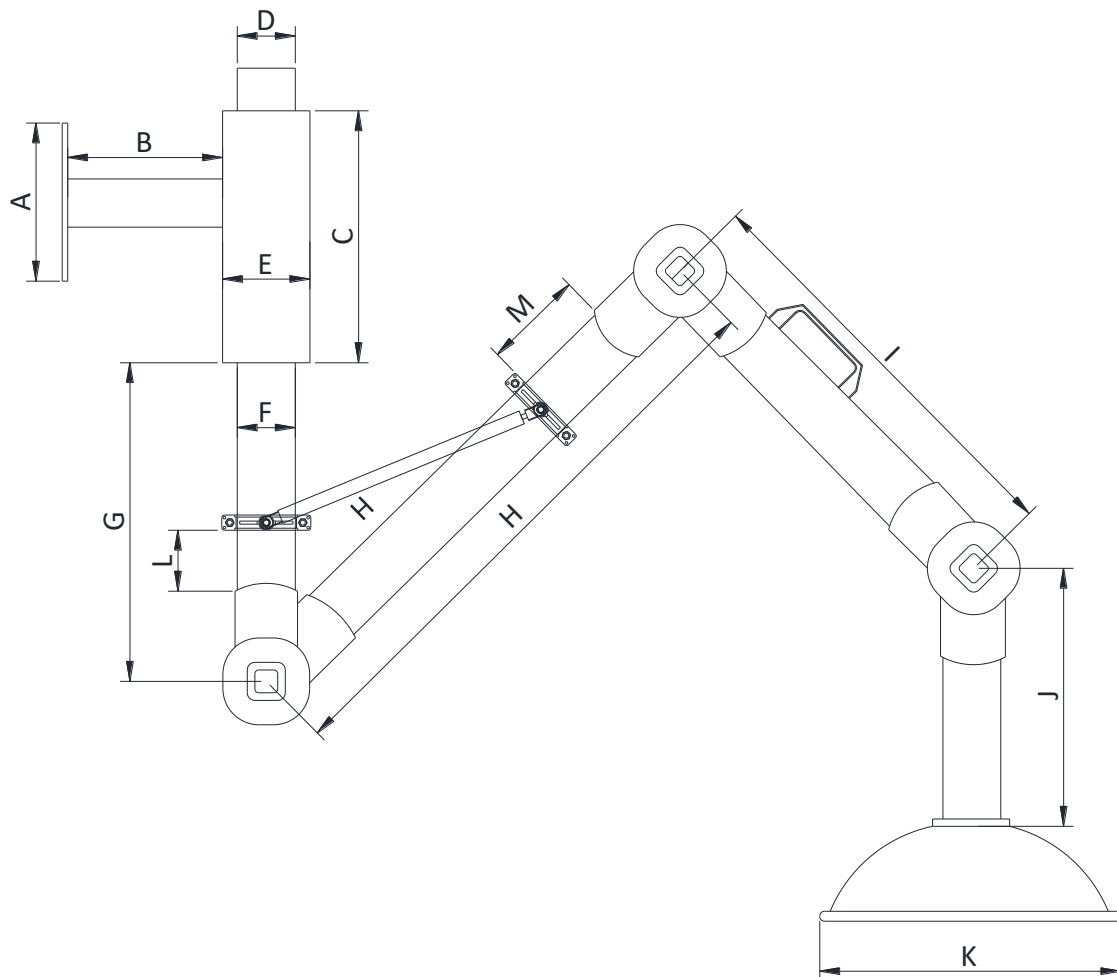


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Wall Mount Laboratory Arm

Part number	Dimensions [inches]													CFM range [cfm]
	A	B	C	D	E	F	G	H	I	J	K	L	M	
LA-0305-CM	7.1	7.9	12	3	4.3	3	13.5	30	18.5	9.5	14.8	1.8	7.9	90-150cfm
LA-0405-CM	7.9	7.9	12	4	5.3	4	15.5	32.5	19.5	11.5	14.8	2.2	7.1	175-270cfm



Laboratory Arm

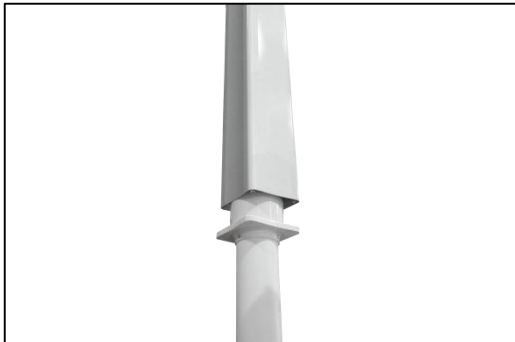
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Assembly

Ceiling Mount Laboratory Arm



1. Attach the ceiling mount bracket to the ceiling. Cut the bracket to the desired length as needed.



2. Attach the Laboratory Arm to the ceiling mount bracket, using the provided hardware.



3. Ceiling mount bracket assembly complete.



4. Take the gas tension spring out of the packaging.



5. Align the gas tension spring with the screws on the clamps. Secure the gas tension spring in place using the provided nuts.



6. Gas tension spring assembly complete.

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Wall Mount Laboratory Arm



1. Attach the wall mount bracket to the wall.



2. Attach the Laboratory Arm to the ceiling mount bracket, using the provided hardware.



3. Wall mount bracket assembly complete.



4. Take the gas tension spring out of the packaging.



5. Align the gas tension spring with the screws on the clamps. Secure the gas tension spring in place using the provided nuts.



6. Gas tension spring assembly complete.

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Hood



1. Take out hood and top/bottom fastener.

4. Tighten up the top fastener and bottom fastener together.



2. Connect the hood and top/bottom fastener as shown in the picture.



5. Fasten the bolts with (2) cap nuts.



3. Fasten (2) Countersunk Flat Head Screws with the bottom fastener and the tube.



6. Complete.

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Operation

1. **Damper:** Operate the damper to adjust the air flow.
2. **Handle:** Adjust direction, height and length of the laboratory arm depending on demand.



LA-0305-CM / LA-0305-WM



LA-0305-CM / LA-0305-WM



LA-0405-CM / LA-0405-WM



LA-0405-CM / LA-0405-WM

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3. **Joint:** Adjust the star knob if there is any need to adjust the tightness of the laboratory arm.



LA-0305-CM / LA-0305-WM



LA-0405-CM / LA-0405-WM

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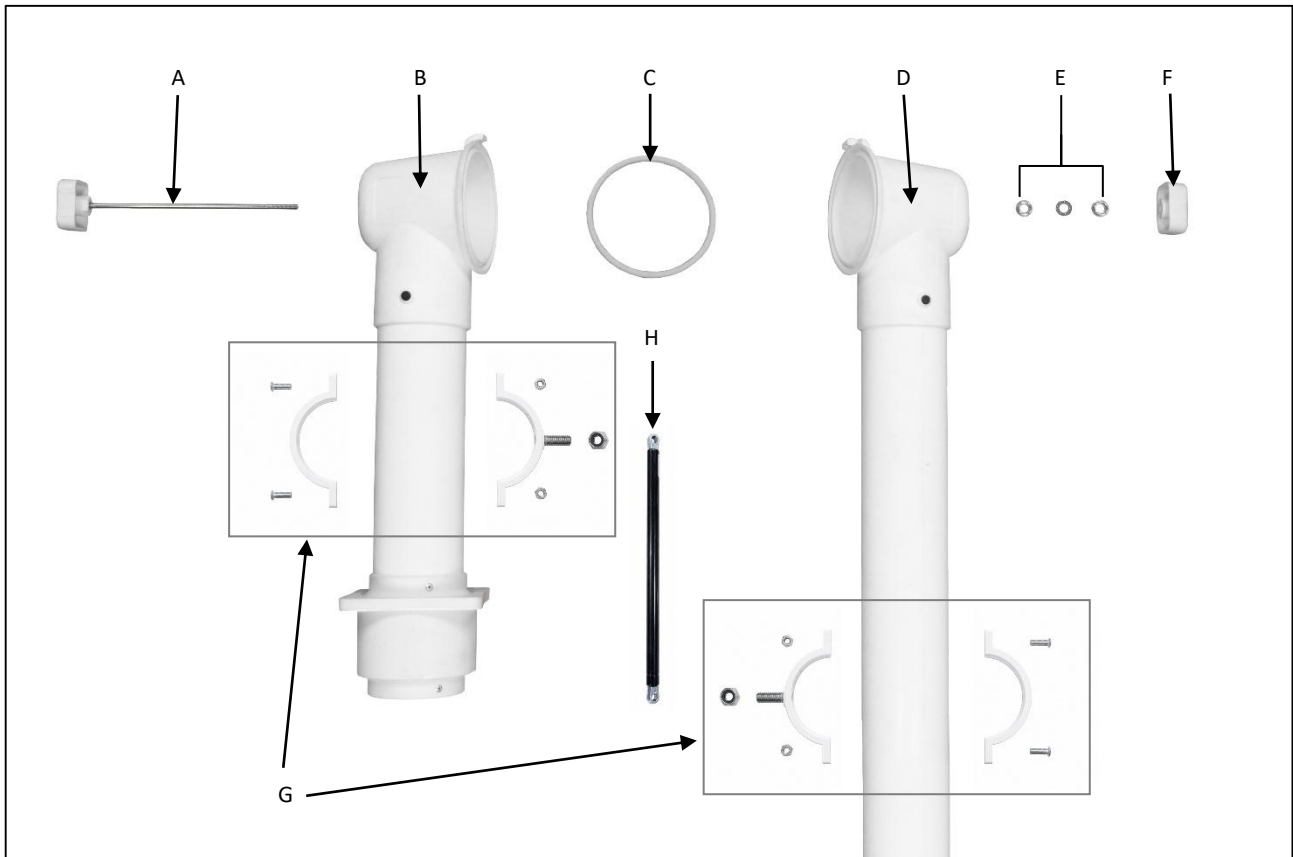
Parts Diagram and Parts List



Laboratory Arm

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Part A

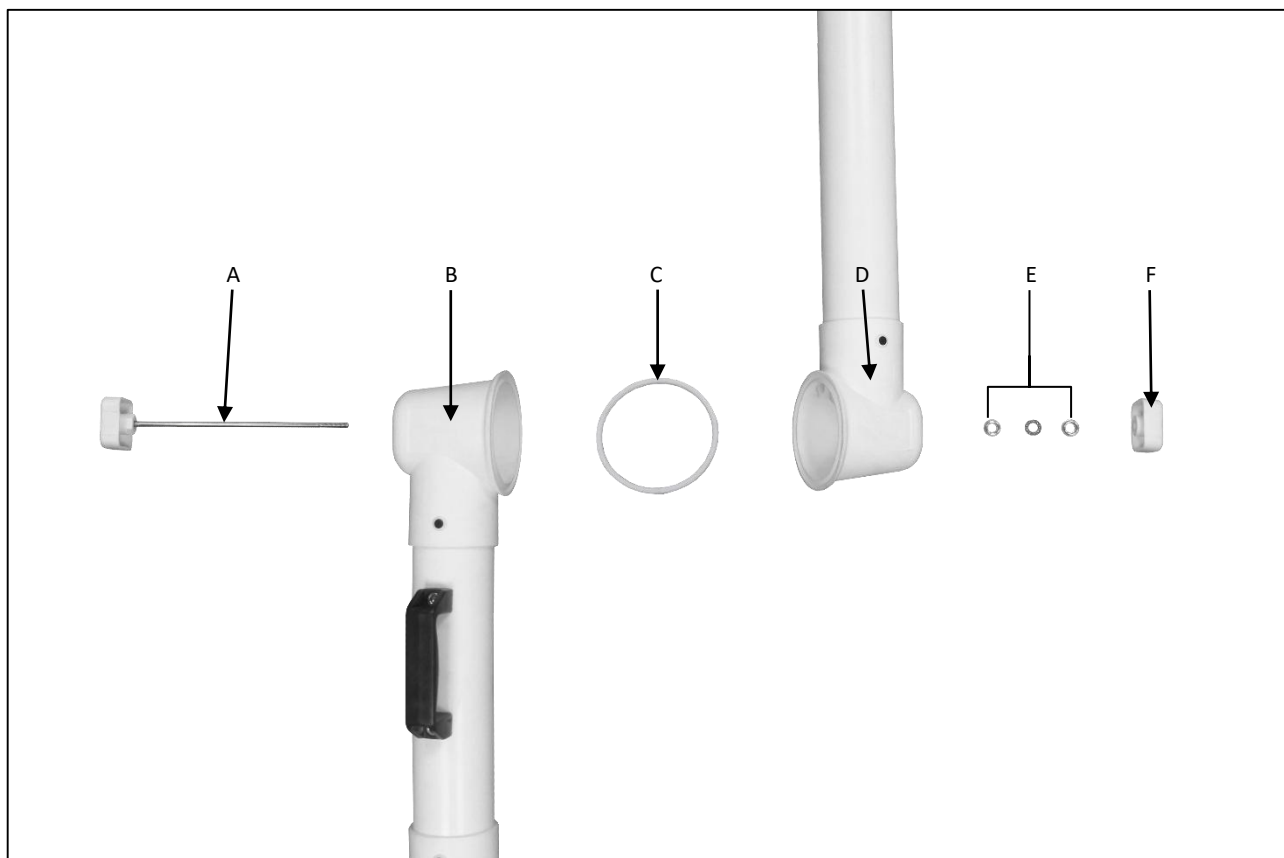


Item	Description (LA-0305-CM / LA-0305-WM)	Description (LA-0405-CM / LA-0405-WM)	Qty.
A	Knob Bolt 8.85"	Knob Bolt 12.1"	1
B	Laboratory Arm-1	Laboratory Arm-1	1
C	O ring	O ring	1
D	Laboratory Arm-2	Laboratory Arm-2	1
E	Thrust Ball Bearing F7-17 (set)	Thrust Ball Bearing F7-17 (set)	1
F	Knob	Knob	1
G	Clamps for 3" (set)	Clamps for 4" (set)	2
H	Gas Tension Spring	Gas Tension Spring	1

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Part B

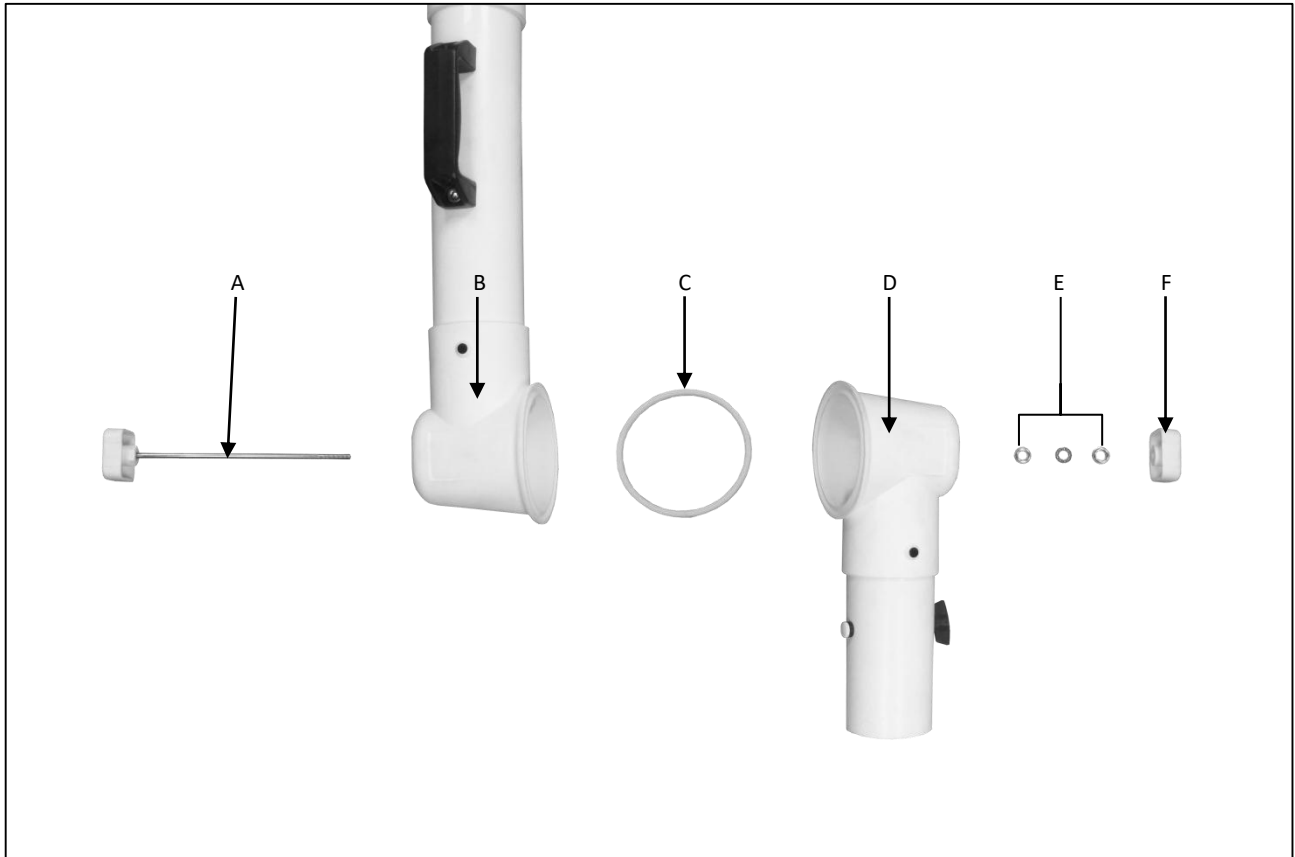


Item	Description (LA-0305-CM / LA-0305-WM)	Description (LA-0405-CM / LA-0405-WM)	Qty.
A	Knob Bolt 8.85"	Knob Bolt 12.1"	1
B	Laboratory Arm-3	Laboratory Arm-3	1
C	O ring	O ring	1
D	Laboratory Arm-2	Laboratory Arm-2	1
E	Thrust Ball Bearing F7-17 (set)	Thrust Ball Bearing F7-17 (set)	1
F	Knob	Knob	1

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Part C



Item	Description (LA-0305-CM / LA-0305-WM)	Description (LA-0405-CM / LA-0405-WM)	Qty.
A	Knob Bolt 8.85"	Knob Bolt 12.1"	1
B	Laboratory Arm-3	Laboratory Arm-3	1
C	O ring	O ring	1
D	Laboratory Arm-4	Laboratory Arm-4	1
E	Thrust Ball Bearing F7-17 (set)	Thrust Ball Bearing F7-17 (set)	1
F	Knob	Knob	1

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Part D



Item	Description (LA-0305-CM / LA-0305-WM / LA-0405-CM / LA-0405-WM)	Qty.
A	Laboratory Arm-4	1
B	Top Fastener	1
C	Hood	1
D	Countersunk Flat Head Screw M4X12	1
E	Cap Nut M4	1
F	Bottom Fastener	1

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Contact Information

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