



Specification

LM-2 telescopic fume extraction Arm

The PlymoVent (**LM-2**) 6.25" telescopic ball bearing fume extraction arm shall be provided with a wall mounting bracket, counterweight system and weight guide tube, internal support shoulder mechanism, multi section telescopic tube, universal wrist joint, hood positioning collar and clip on hood with safety mesh all connected by 6.25" flexible hose.

The wall mounting bracket shall be provided with 3/8" mounting bolt holes and extend from the wall surface by 15"; support a counter weight guide tube and double pulley system; a hanging flange will have a female spider pivot joint for connection to the machined steel shaft and house a ball bearing pivot and externally adjustable friction brake.

The counterweight system shall be comprised of: counterweight guide tube mounted 2" off the wall surface and directly to the wall mounting bracket; a double pulley and cable guide sleeve system mounted to the wall bracket and machined steel pivot to smoothly feed the cable to counterweight. The counterweight will not exceed 10 lbs and will have a pulley and cable connection point. The cable will be fed through the shoulder joint and down three square shafts; the shafts will decrease in size and will have nylon bushings to allow for smooth tel

The internal support shoulder mechanism shall consist of an airfoil friction pad pivot connected to the largest square telescopic tube, a short counterbalance steel spring connected to the telescopic tube and the airfoil shoulder pivot.

The universal wrist joint will be supplied with an adjustable double plane double pivot to allow the hood to be angled 110 degrees throughout a 360 degree rotation; connect the hood mounting collar and 11.5" diameter positioning ring with ratcheted manual shut off damper.

The capture hood will be a durable spun metal hood housing a safety mesh to prevent debris from entering the arm. It will have a specific cone shape angle of 60 degrees for greatest capture efficiency and will have an opening of 11.75" in diameter connected to the hood collar through the use of an adjustable latch. The hood will have the capacity to be retrofitted with a halogen light kit.

The flexible hose will be flame resistant double wall, neoprene coated, woven polyamide with and internal steel helix

The 6.25" diameter LM-2 fume extraction arm shall have precise airflows and static pressure curves as tested in accordance with AMCA standard 500-D-98.