

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-495
Item to be Scouted	C6 Blower Housing
Days to be scouted	25
Response Due By	10/05/2026
Description	US supplier scouting for the C6 Blower Housing (Hamilton part number 160676), a precision aluminium housing used in the patient gas path of a medical ventilator blower module. The target manufacturing route is aluminium

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Primary target process: aluminium closed-die forging / precision forging using EN AW-6060, including tooling, raw-material preparation, heating, forming and fundamental process control. The required process chain includes trimming and flash removal, deburring and grinding to achieve clean, burr-free surfaces, and local CNC machining where required for functional features and tight tolerances. This is followed by colourless, matt anodising, controlled final cleaning and verification, final inspection, clean packaging and lot traceability. Permitted outsourced secondary processes include trimming/deburring, local CNC machining, anodising, controlled final cleaning and specialised inspection, provided that qualified process partners, locations, responsibilities and traceability are fully disclosed and controlled.
Provide dimensions / size / tolerances / performance specifications for the item	Approximate dimensions: 100.1 x 76.5 x 27.5 mm Approximate weight: 0.161 kg Complex thin-walled 3D geometry with ribs and channels Individual features: tolerances down to +/-0.05 mm Functional flatness requirement on one identified surface: 0.05 mm Surface roughness on identified surfaces: Ra 1.6 maximum Anodising target thickness: 10 +/-5 µm General geometric tolerances: ISO 2768-H Critical-to-quality requirement: clean, completely burr-free surface The component is used in the patient gas path and must be supplied clean and free from oil, grease, loose particles and process residues.
List required materials needed to make the product, including materials of product components	Base material: EN AW-6060 aluminium alloy Colourless, matt anodic coating; target thickness 10 +/-5 µm Information on lubricants, release agents, anodising chemicals, cleaning chemicals and potential residues must be available for regulatory assessment.
Are there applicable certification requirements?	Yes
Certification(s) required	ISO 13485 ,ISO 9001
Are there applicable regulations?	Yes
Details	The component is used in a medical ventilator and located in the patient gas path. The supplier must be able to provide RoHS and REACH/SVHC information for the material and offered processes. Experience with FDA-regulated medical-device supply chains is requested.
Are there any other standards, requirements, etc.?	Yes

Details	ISO 2768-H for general geometric tolerances Material and process lot traceability from raw material through forging, secondary processing, anodising, cleaning, inspection and delivery lot Documented change-notification process for material, source, process, tooling, location, cleaning, inspection, packaging and critical sub-suppliers Documented nonconformance, CAPA / 8D and controlled rework process Capability for later FAI / first article inspection and complete dimensional reports Controlled cleaning, contamination control and packaging to prevent recontamination before delivery Supplier must have relevant in-house manufacturing capability at a US production site; broker-only models are not accepted.
Additional Technical Comments	The C6 Blower Housing is a functionally critical precision housing for outlet sound attenuation in a medical ventilator blower module. It interfaces with a separate labyrinth sheet, which is not part of this request. Full drawings, 3D data, CtQ details and binding inspection requirements will be made available only after NDA and during a subsequent RFQ phase.

Section 4: Business Information

Estimated potential business volume	Expected demand for US production is approximately 2,000 pieces per year. RFI volume scenarios range from 500 to 5,000 pieces per year, in increments of 500 pieces.
Estimated target price / unit cost information (if unavailable explain)	To be confirmed. No target price or unit-cost information is provided for the RFI phase; price quotations are not required at this stage.
When is it needed by?	Initial supplier identification and capability assessment are required during September and early October. The detailed timing for quotation, prototypes, qualification and serial production will be communicated to selected suppliers following the RFI. The final implementation schedule has not yet been defined.
Describe packaging requirements	Packaging and handling must prevent damage, contamination and recontamination after final cleaning until delivery. The part must be protected from particles, oil, grease and process residues. Lot identification and traceability must be maintained through shipment.
Where will this item be shipped?	Hamilton Medical, Inc., Reno, Nevada, USA. The exact ship-to address, Incoterms and delivery conditions will be communicated during the RFQ or contracting phase.

Additional Comments

Is there other information you would like to include?	Comment on certificates: A valid certified quality management system is required. ISO 9001 is the expected minimum reference standard. ISO 13485 is preferred. Certificates must identify the certified site, scope, certification body and expiry date. This is a non-binding supplier prequalification exercise. It is not an RFQ, supplier nomination, purchase order or commitment to award business. Selected suppliers may be invited to a subsequent RFQ after NDA completion. The supplier should propose a cost-optimised production lot size and disclose its available capacity, tooling lead time, standard production lead time, ramp-up capability and the use of any critical sub-suppliers.
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