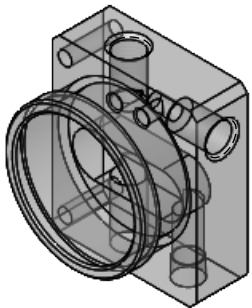


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REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	CORRECTED 7/16" HOLE DIMS. CALLED OUT PUMP MOUNT HOLES, ADDED MATERIAL	04/07/2026	EN
A4	C	CHANGED COMP PORT TO 1/8 NPT. ADDED OVERALL DIMS	04/13/2026	EN



7/16-20 UNC ∇ .50 THREAD
SAE-4 PORT

$\oplus$	.02	A	B	C
$\perp$	.01	A	B	C

2X ϕ .188 ∇ .300
 $\checkmark$ ϕ .228 X 90°, NEAR SIDE

$\oplus$	.02	A	B	C
$\perp$	.01	A	B	C

4 X .10@45°

2 X ϕ .201 ∇ THRU
 $\oplus$.014 $\textcircled{M}$ A B C

7/16-20 UNC-2B
 ∇ 1.00 FULL THEREAD
 $\oplus$.03 A B C
 $\perp$.01 A B C

ϕ .332 ∇ 1.000
1/8 NPT

$\oplus$	.03	A	B	C
$\perp$	.01	A	B	C

7/16-2 UNC-2B ∇ 5 THREAD
 ϕ .201 ∇ .943
 ϕ .391 ∇ .625
 $\checkmark$ ϕ .500 X 90°

$\oplus$	.02	A	B	C
$\perp$	.01	A	B	C

1. MATERIAL IS CAST ACRYLIC

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	C OKUDA 10/6/2014	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	C OKUDA 10/6/2014			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				CHECKED				
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	9001202	NF10 BRUSHLESS MOCAP HOUSING		
						PROJECT	RESPIROMETER UPGRADE			
						WEIGHT		SIZE B	DWG. NO. 10021133DWG	REV.
Application		DO NOT SCALE DRAWING						SCALE 1:1	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 1