



BOTTOMLESS MUFFLERS



Muffler Sound Quality: Very Quiet - Normal conversation is heard over engine exhaust sound.

Application: Engine room / Hull side positioning for underwater exhaust systems.

Low Profile: Very compact - very quiet.

Versatile: Accepts a wide variety of exhaust system configurations.

Custom Configurations: Inlet(s) / outlet on muffler are positioned per application requirements.

Flow: Surge resistant.

Placement: The bottom of the muffler must be below the water line.

Material: Biaxial E-Glass/Vinylester, fire-retardant (Class 1) Hetron FR 998 resin.

Installation: The bottom of the muffler can be flanged for ease of installation.

Gelcoat Finish Color: White - "Show Quality" finish available upon request.

Weight: This muffler is very light for its size - muffler specific.

Hose Connections: 316L Stainless crush resistant rings installed at all muffler hose connections.

Marine Exhaust Systems, Inc.

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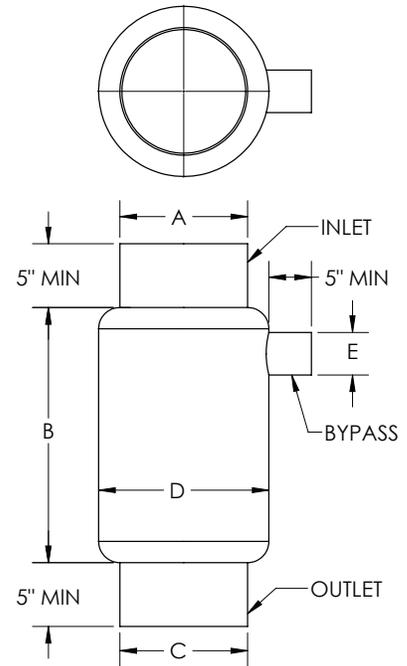


MARINE EXHAUST SYSTEMS INC. IS THE ONLY EXHAUST MANUFACTURER THAT DESIGNS AND FABRICATES BOTH STAINLESS STEEL EXHAUST PIPE(S) AND FIBERGLASS COMPONENTS, SUPPLYING A TOTAL “TURBO TO TRANSOM ®” OR “TURBO TO UNDERWATER DISCHARGE” EXHAUST PACKAGE.

Quiet Zone Thin Line Linear Muffler Basic Dimensions

Model Number	Dim. "A" (Inlet)	Dim. "B" Min/Max	Dim. "C" (Outlet)	Dim. "D"	Dim. "E" Bypass	Horsepower
BM8X8	8"	20" - 28"	8"	12"	4"	700-850
BM10X10	10"	20" - 28"	10"	14"	5"	900-1100
BM10X12	10"	24" - 32"	12"	16"	6"	1200-1400
BM12X14	12"	24" - 32"	14"	18"	6" or 6 5/8"	1500-2000
BM14X16	14"	24" - 36"	16"	20"	8"	2200-2600
BM16X18	16"	28" - 40"	18"	24"	10"	2800-3600
BM18X20	18"	30" - 48"	20"	26"	12"	3800-5000

Other Inlet / Outlet sizes, muffler heights and configurations available
 Please contact Marine Exhaust Systems, Inc. for additional information.



THRU HULL DIFFUSERS AND COWLINGS FOR UNDERWATER DISCHARGE APPLICATIONS

EXHAUST THRU HULL DIFFUSER

Purpose: A pre-designed shape that will provide proper exhaust ejection without flow restriction.

Material: Biaxial E-Glass/Vinylester, fire-retardant (Class 1) Hetron FR 998 resin.

Thickness: Approximately 5/32" thick.

Installation: Shape is easily inserted into bottom of hull, then laminated to desired thickness.

UNDERWATER DISCHARGE COWLS FOR TUNNEL AND JET DRIVE APPLICATIONS

Purpose: Directs exhaust gas out of hull side.

Result: Eliminates exhaust-related cavitation in propellers and water jet intakes during normal operating modes.

Benefit: Highly efficient design reduces drag and creates adequate venturi to effectively reduce back pressure.

Material: Biaxial E-Glass/Vinylester, fire-retardant (Class 1) Hetron FR 998 resin.

Also available in Aluminum.

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