

NEED TO KNOW INFORMATION FOR SILENCER APPLICATIONS

CUSTOMER _____ ITEM _____ DATE IN _____
RFQ NO. _____ BID/BUDGET/BUY _____ DATE DUE _____

APPLICATION: _____ INTAKE, _____ DISCHARGE FOR: MAKE _____ MODEL _____
_____ SILENCER _____ WATER SEPARATOR _____ ENGINE _____ RECIPROCATING COMPRESSOR _____ GAS TURBINE
_____ AIR FILTER _____ WATER SEPARATOR/SILENCER _____ ROTARY POSITIVE BLOWER _____ VACUUM PUMP
FORCED DRAFT FAN
AIR FILTER/SILENCER _____ OTHER _____ CENTRIFUGAL BLOWER _____ EJECTOR _____ DUCT
VENT/BLOWDOWN _____ PRESSURE REGULATOR

FLOW DATA:

GAS _____ M.W. OR S.G. _____ ATMOSPHERIC PRESSURE _____
FLOW RATE _____ (LBS/HR, SCFM, ACFM, KG/HR) _____ ATMOSPHERIC TEMPERATURE _____
(OPERATING/UPSTREAM) PRESSURE _____ MAXIMUM ALLOWABLE PRESSURE DROP _____
(OPERATING/UPSTREAM) TEMPERATURE _____ MAXIMUM ALLOWABLE INTERNAL VELOCITY _____

ACOUSTIC PERFORMANCE: _____ INDUSTRIAL _____ RESIDENTIAL _____ CRITICAL

REQUIRED OVERALL SILENCED SPL _____ dBA AT _____ (FT/M)
FREQUENCY (Hz) 31.5 63 125 250 500 1K 2K 4K 8K

ACTUAL UNSILENCED
PWL or SPL (dB/dBA)

REQUIRED DIL (DB)

REQUIRED SPL
(dB/dBA)

AMBIENT BACKGROUND NOISE: _____ dBA

FOR ENGINES:

BORE _____ NO. CYLINDERS _____
STROKE _____ CYCLE 2 OR 4 _____
RPM _____ VOLUMETRIC EFFICIENCY _____

FOR VENT/BLOWDOWN/PRESSURE REGULATOR:

INTERMITTENT SERVICE _____ DOWNSTREAM PRESSURE _____
CONTINUOUS SERVICE _____ DOWNSTREAM TEMPERATURE _____
VALVE TYPE _____ BLOWDOWN VOLUME _____
VALVE SIZE _____ BLOWDOWN TIME _____

FOR VACUUM PUMPS:

LIQUID/WATER FLOW (GPM) _____
REQUIRED EFFICIENCY _____

FOR ROTARY POSITIVE BLOWER/DRY VACUUM ROTARY PUMPS:

TIMING GEAR DIAMETER _____
RPM _____

FOR RECIPROCATING AIR COMPRESSORS:

BORE _____ NO. CYLINDERS _____
STROKE _____ (SINGLE OR DOUBLE) ACTION _____
RPM _____ VOLUMETRIC EFFICIENCY _____

FOR FILTERS:

REQUIRED EFFICIENCY _____
MAX ALLOWABLE ELEMENT FACE VELOCITY _____ FPM
ELEMENT DUST HOLDING CAPACITY _____ GRAMS
STAGES (1, 2, 3)

CENTRIFUGAL COMPRESSORS/FORCED DRAFT FANS:

_____ NUMBER OF ROTATING BLADES _____ RPM

CONNECTIONS (SIZE, TYPE & RATING):

INLET _____ DRAIN _____ MANWAY _____ OTHER _____
OUTLET _____ INSPECTION OPENING _____ GAUGE CONNECTION _____

MATERIALS OF CONSTRUCTION:

CARBON STEEL _____ 304SS _____ 304L SS _____ 316SS _____ 316L SS _____ FRP _____
OTHER (SPECIFY): _____
ACOUSTICAL PACK _____ DENSITY (FT³/LB) _____

DESIGN:

_____ NON ASME CODE _____ ASME CODE WITHOUT STAMP
_____ ASME CODE WITH STAMP _____ DESIGN PRESSURE _____ AND DESIGN PRESSURE _____
CORROSION ALLOWANCE _____

ACCESSORIES:

MOUNTING BRACKETS (TYPE) _____ LIFTING LUGS _____ STD. PRIMER _____
SKIRT & BASE PLATE _____ WEATHERHOOD _____ EXTERNAL _____
SADDLE SUPPORTS _____ TAILPIPE _____ INTERNAL _____
TRUNION MOUNTS _____

SPECIAL CONFIGURATION: _____

OTHER PERTINENT INFORMATION: _____

ENVIRONMENT: _____