

for more information please visit our website:
www.noiseprotection.de

w&p NOISEPROTECTION

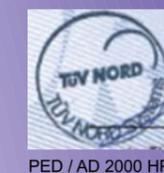
taylor made industrial silencers



or contact us:



- ✓ Blow Off Silencers (pressure relief silencers) and Expansion systems (dump tubes)
- ✓ Inline silencers acc. to PED / ASME / U-Stamp / SELO
- ✓ Exhaust silencer systems
- ✓ Air Intake systems



✓ **Blow Off Silencers (pressure relief silencers) and Expansion systems (dump tubes)**



To reduce noise during free venting of steam or gas (safety relief valve), **blow off silencers**, preferably with expansion stages (orifice) will be installed. At the expansion orifice the media is streaming through several cylindrical stages and will be expanded more silent. For further sound reduction the noise will be absorbed

while passing the acoustic splitters. A sound transmission loss of up to 60 dB can be achieved.

Fabrication possible acc. to PED, ISO or ASME code

Dump Tubes or multi stage expansion stage orifices

will be used where high pressure media must be expanded most silent. Possible applications:

- ✓ High pressure expansion stations (e.g. SHP steam to condenser)
- ✓ Bypass stations from compressors / turbines
- ✓ Dumps of pressure vessels



✓ **Exhaust silencer systems**



In cases where noise emitted from exhaust ducts or openings (Gasturbines, compressors, etc.) must be reduced effectively absorbing silencer splitters (baffles) are used. We are specialised in:

- ✓ exhaust gas baffles up to 600°C
- ✓ resonance silencer baffles
- ✓ ready preinstalled baffle cages
- ✓ trapezoid formed splitters for cylindrical casings or vessels



✓ **Inline silencers acc. to PED / ASME / U-Stamp / SELO**

For noise - reduction in a piping system we deliver pipe- or **inline silencers** for compressor (roots-, screw type-, centrifugal or piston compressors).

With equipped sand shell and special coupling we can reduce in addition structure born noise to avoid vibration induced forces to the welds.

Possible Fabrication standards:

- ✓ DGRL / PED
- ✓ ASME VIII - possible with U-Stamp
- ✓ Chinese Regulations (SELO)

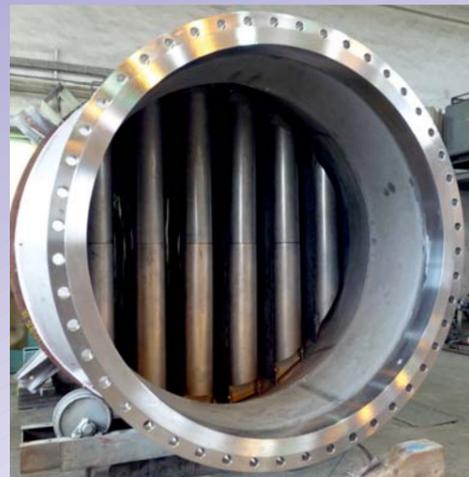


✓ **Air Intake systems**

We are planning, designing and manufacturing the following systems:

- ✓ **Air intake system** with silencers and one- or two-stage filtersystem up to filterclass F9
- ✓ Entire ventilation systems for machinery halls with focus on special acoustical requirements.

With combined absorption- / reactive silencer systems we can achieve noise level reductions up to 60 dB.



PED / AD 2000 HP0

