

INSTALLATION, OPERATION & MAINTENANCE PROCEDURE

EXHAUST SILENCER

The Penn Exhaust Silencer has a maximum flow rating which should be considered for sizing. The inlet size is determined by this rating. Flows over this capacity could damage the internal of the silencer which will decrease the effectiveness of the silencer.

The operating procedure is quite simple. The silencer is designed to handle almost all atmospheric venting applications, normal venting procedure should be used. The silencer breaks up the stream of flowing gas and directs it to the outer walls where the noise is absorbed. The outlet stub is large enough to allow a slow, quiet release to the atmosphere.

The piping leading up to the silencer should be as direct as possible to limit the amount of noise created. Prior to the silencer inlet, ten feet of straight piping the same size as the inlet is suggested and would provide the best performance. If the line needs increased in size a gradual expansion such as a concentric reducer should be used. Other piping arrangements can be recommended by consulting the factory.

Drainage couplings have been provide for either horizontal and vertical installations. The drainage couplings should be pointed down and piped to a safe drainage point. The outlet is usually the final point before discharge. This should only be extended if required, and then only by using piping the same size as the outlet.

Because most installation varies standard supports have not been established. The unit and piping should be supported as required for the installation. Guy wire attachments have been provided for vertical installation. The silencer should not be supported by the guy wire attachments.

The Exhaust Silencer is an integrally welded unit with no removable or replaceable spare parts. There is no regularly scheduled maintenance, except inspection of the exterior painted surface, which should be kept clean and free of rust.



Warning: Penn Exhaust Silencers can contain and emit hot air/condensate into the atmosphere. Caution should be used when working around these vessels.



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