

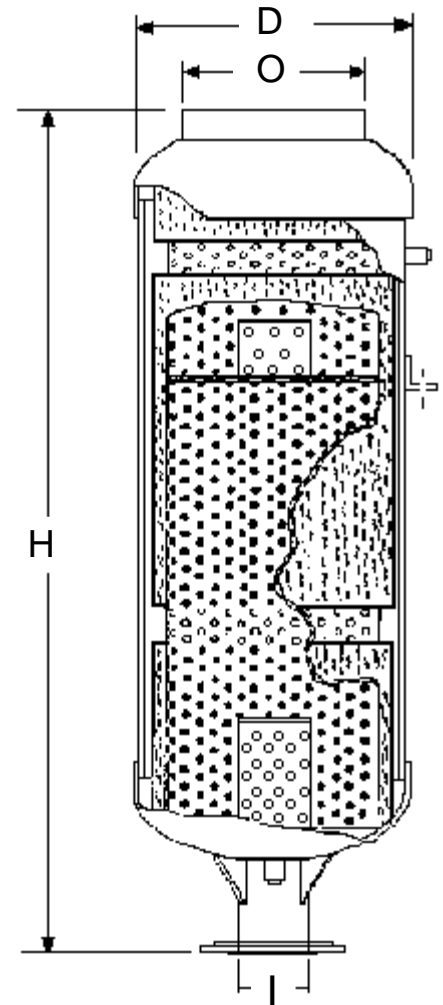
# 12 EXHAUST SILENCER

## Muffler to Quite Noise From High Velocity Steam and Air Atmospheric Venting.

When steam, air, and other gases are vented to atmosphere at high velocities noise is created. Typically the higher the velocity the louder the noise level. Penn makes two models of Exhaust Silencers to reduce noise levels. Our "SP" full sized unit provides maximum noise reductions of 34-46 dB(A) or choose our SP-S short version that provides noise reductions of 24-30 dB(A). A wide range of sizes 2" through 24" are available.

### Exhaust Silencer Sizing and Dimensions

MODEL NO.	"I" INLET	"O" OUT-LET	"D" DIAMETER	"H" HEIGHT	MAX STEAM #/hr	MAX AIR Scfm	WT. FLNG.	REDUC-TION ( Air )
SP 2-14	2"	5"	14"	60"	2,100	1,600	250#	34.9
SP 2 1/2-14	2 1/2"	6"	14"	84"	3,300	2,100	265#	36.4
SP 3-18	3"	8"	18"	96"	5,600	3,300	395#	36.8
SP 4-20	4"	10"	20"	108"	11,200	5,700	640#	38.1
SP 5-24	5"	12"	24"	120"	18,000	8,900	840#	38.3
SP 6-24	6"	14"	24"	135"	25,000	13,500	920#	39.7
SP 8-30	8"	18"	30"	180"	44,000	21,500	1,513#	41.7
SP 10-36	10"	24"	36"	195"	70,000	35,000	2,250#	41.5
SP 12-42	12"	30"	42"	216"	100,000	50,000	3,185#	43.6
SP 14-48	14"	30"	48"	252"	125,000	60,100	4,505#	45.1
SP 16-48	16"	36"	48"	276"	165,000	80,100	4,815#	46.5
SP 18-48	18"	42"	48"	288"	201,000	110,000	5,290#	46.8
SP 20-54	20"	48"	54"	288"	260,000	140,000	5,400#	46.7
SP 24-54	24"	48"	54"	288"	380,000	190,000	5,600#	46.7



MODEL NO.	"I" INLET	"O" OUT-LET	"D" DIAMETER	"H" HEIGHT	MAX STEAM #/hr	MAX AIR Scfm	WT. FLNG.	REDUC-TION ( Air )
SP 2-14-S	2"	5"	14"	40"	2,300	1,800	170#	24.7
SP 2 1/2-14-S	2 1/2"	6"	14"	56"	4,000	2,500	185#	25.6
SP 3-18-S	3"	8"	18"	64"	6,700	3,900	355#	25.9
SP 4-20-S	4"	10"	20"	72"	14,000	6,900	450#	25.7
SP 5-24-S	5"	12"	24"	80"	21,000	12,000	570#	25.1
SP 6-24-S	6"	14"	24"	90"	30,000	16,000	675#	26.6
SP 8-30-S	8"	18"	30"	120"	53,000	28,000	1,090#	27
SP 10-36-S	10"	24"	36"	130"	84,000	42,000	1,525#	26.6
SP 12-42-S	12"	30"	42"	144"	130,000	60,000	2,350#	27.2
SP 14-48-S	14"	30"	48"	168"	150,000	74,000	3,030#	27.5
SP 16-48-S	16"	36"	48"	184"	195,000	98,000	3,265#	28.6
SP 18-48-S	18"	42"	48"	192"	240,000	138,000	3,425#	29.1
SP 20-54-S	20"	48"	54"	192"	300,000	170,000	4,790#	29.7
SP 24-54-S	24"	48"	54"	192"	445,000	230,000	4,860#	29.7

### Exhaust Silencer Suggest Specifications:

Furnish as shown on drawings a Exhaust Silencer model no. (SP \_\_\_\_\_ for maximum noise reduction) or (SP-S \_\_\_\_\_ for good noise reduction). Unit shall be a reactive and dissipative type consisting of first and second stage diffusers to direct the flow to the outside walls of perforated plate backed with "Dalcon" 100% fiberglass material. The silencer depending on the model shall reduce the initial noise level by \_\_\_\_\_ dB(A)

The silencer shall be a welded carbon steel construction and will be supplied with a \_\_\_\_\_" 150# flanged gusseted inlet, two NPT condensate drains for horizontal or vertical installation, a \_\_\_\_\_" outlet pipe stub sufficiently size as not to create added exhaust noise, and guy wire attachment lugs. The exterior of the silencer will be coated with a high heat aluminum paint.