

# enn **CYCLONE EXHAUST HEADS**

## **CYCLONIC ACTION**

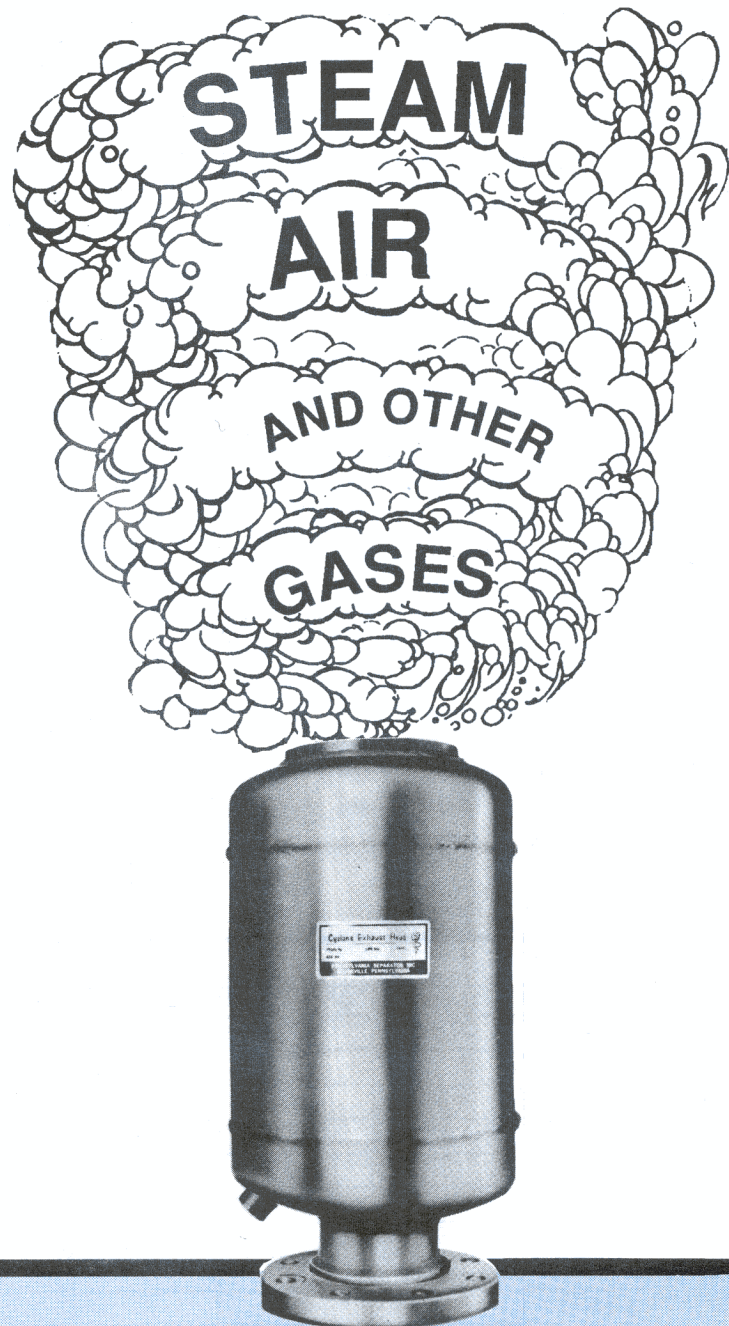
- Spins out entrained water, oil and dirt on vents leaving only Clean, Dry exhaust.

## **REDUCES NOISE**

- Large exhaust opening reduces velocity and minimizes exhaust noise and does not produce back pressure.

## **PROTECTS LINES**

- Cyclone exhaust head "Spiral Baffle" protects exhaust line from entry of rain, snow and dirt directing them to the drain.



## **HOW IT WORKS**

Water and Oil entrained in Exhaust Steam and Gases may cause damage to roofs and sidewalls and unsightly icing and dirt accumulation. The spiral baffles swirl the steam or exhaust gases and the resulting CYCLONIC ACTION throws the entrained water, oil and dirt to the outside of the cyclone where it is directed to the exhaust head drain.

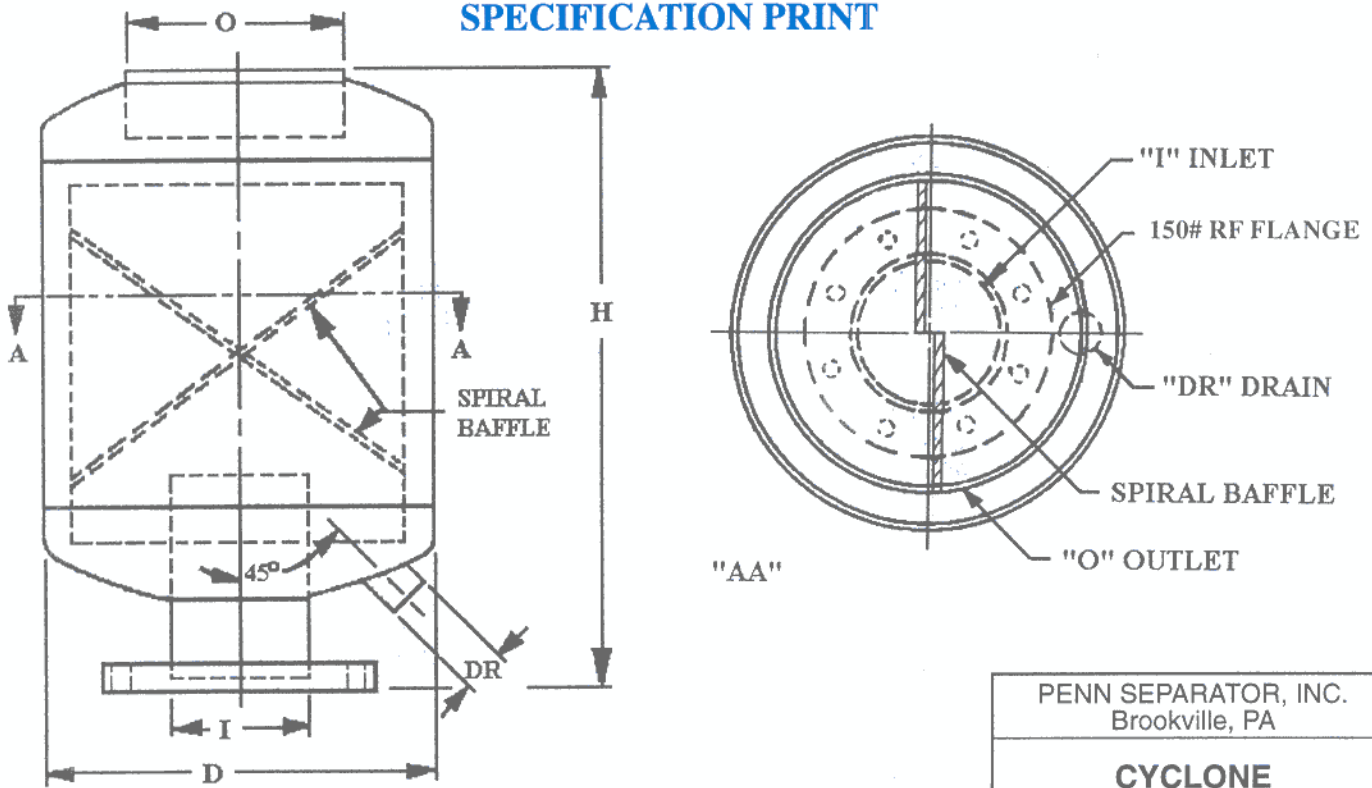
## **QUALITY CONSTRUCTION**

All surfaces of the Exhaust Head slant toward the drain so that THE UNIT IS SELF-DRAINING AND SELF-CLEANING REQUIRING LITTLE OR NO MAINTENANCE. The vessel walls are constructed of A minimum 1/4" carbon steel. With all external and internal surfaces painted with high-heat aluminum, the Penn Cyclone Exhaust Head is constructed for many years of service. Its symmetrically streamlined design combines modern appearance with design efficiency.

Your de ennable boiler accessories . . .



## SPECIFICATION PRINT



PENN SEPARATOR, INC.  
Brookville, PA

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**CYCLONE  
EXHAUST HEAD**

### DIMENSIONS                      RATED CAPACITY

MODEL NO.	"I" INLET	"O" OUTLET	"DR" DRAIN	"D" DIAMETER	"H" HEIGHT	STEAM #/hr	AIR Scfm	WT. FLNG.
EX 10-2	2"	6"	3/4"	10"	21"	645	280	85#
EX 10-2 1/2"	2 1/2"	6"	3/4"	10"	21"	920	400	90#
EX 10-3	3"	6"	3/4"	10"	21"	1,420	615	95#
EX 10-4	4"	6"	1"	10"	21"	2,450	1,060	105#
EX 14-5	5"	8"	1 1/2"	14"	21"	3,845	1,665	140#
EX 14-6	6"	8"	1 1/2"	14"	21"	5,540	2,400	160#
EX 20-8	8"	10"	2"	20"	26"	9,610	4,165	310#
EX 20-10	10"	12"	2"	20"	26"	15,150	6,565	330#
EX 24-12	12"	14"	3"	24"	30"	21,325	9,240	485#
EX 24-14	14"	16"	3"	24"	30"	26,000	11,270	525#
EX 26-16	16"	18"	3"	26"	38"	34,000	14,725	685#
EX 36-18	18"	20"	3"	36"	54"	45,000	19,500	1130#
EX 42-20	20"	24"	3"	42"	58"	54,000	23,160	1800#
EX 42-24	24"	30"	3"	42"	58"	69,000	29,880	1875#
EX 48-30	30"	36"	4"	48"	65"	120,000	51,600	2035#
EX 54-36	36"	42"	4"	54"	75"	188,000	81,240	2710#

### HOW TO SIZE THE CYCLONE EXHAUST HEAD

Use the discharge line size to select inlet dimension (A) above. Check the maximum flow rate capacity to the actual flow rate. Select a larger size for higher capacities as required.

**Represented by:**



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