

SPECIALTY PRODUCTS

WEH Series

Exhaust Head

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Model	WEHC	WEHF
Sizes	1", 1-1/2", 2", 2-1/2", 3", 4", 5", 6", 8", 10"	2-1/2", 3", 4", 5", 6", 8", 10"
Connections	NPT, 125# Flanged	150# Flanged
Body Material	Cast Iron	Carbon Steel
PMO Max. Operating Pressure	125 PSIG	150 PSIG
TMO Max. Operating Temperature	353°F	450°F



TYPICAL APPLICATION

The **WEH Series** Exhaust Heads are used to separate all entrained water and particles from steam prior to being discharged directly to the atmosphere.

HOW IT WORKS

Exhaust heads use the cyclonic effect where the velocity of the steam is used to generate centrifugal force that whirls the steam and throws the entrained water to the wall of the unit where it is released to a drain below. Correct sizing of exhaust heads for steam service is important in order to assure the highest possible dryness.

FEATURES

- High efficiency: 99% of particles 10 micron and larger
- Maximum separation
- Vortex Containment Plate
- Minimizes water damage to rooftops and other equipment

SAMPLE SPECIFICATION

Steam Exhaust Head shall be a cyclonic design for vertical venting to atmosphere. Unit shall have a vortex containment plate feature to prevent re-entrainment. Exhaust Head to be constructed in cast iron or carbon steel and available in FNPT and flanged connections.

INSTALLATION

The WEH Steam Exhaust Head must be installed at the top of a vertical vent pipe. Exercise standard piping and structural practices when installing this unit. Proper drainage of the exhaust head is essential for good operation. Pipe the drain connection of the head to a roof gutter or down spout.

MATERIALS

WEHC	All Parts Cast Iron
WEHF	All Parts Fabricated Carbon Steel

HOW TO ORDER

Refer to the capacity chart to determine which model is required to satisfy the application needs.

Available sizes and connections:

Cast Iron

NPT - 1", 1-1/2", 2", 2-1/2", 3", 4"
125# Flanged - 4", 5", 6", 8", 10"

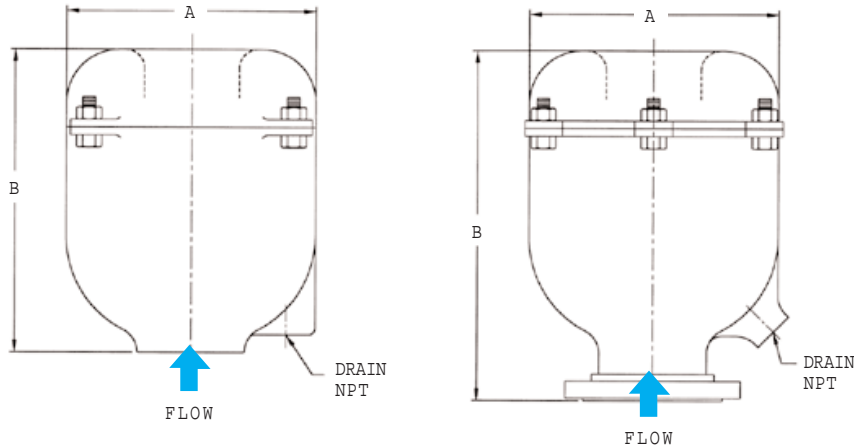
Carbon Steel

150# Flanged - 2-1/2", 3", 4", 5", 6", 8", 10"

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WEHC DIMENSIONS, WEIGHTS & CAPACITIES – inches

Size	A	B	Drain Connection	Inlet Connection	Weight (lbs)	Capacity*
1"	5-1/4	6-1/8	1/2	NPT	11	160
1-1/2"	5-1/4	6-1/8	1/2	NPT	11	370
2" & 2-1/2"	7-1/2	8-7/8	3/4	NPT	25	1,000
3"	8-3/4	11-1/4	3/4	NPT	40	2,100
4"	10	11-1/4	1	NPT	50	2,700
4"	10	15	1	FLG	68	2,700
5"	13	14	1-1/2	FLG	90	4,000
6"	14-3/4	18-3/4	1-1/2	FLG	115	6,000
8"	18	20	2	FLG	190	10,500
10"	23	24	2	FLG	335	16,000

*Capacity in pounds of exhaust steam/hour at atmosphere pressure of 14.7 PSIA.

WEHF DIMENSIONS, WEIGHTS & CAPACITIES – inches

Size	Diameter of Outlet	A	B	Drain Size (NPT)	Weight (lbs)	Capacity*
2-1/2"	2-1/2	8-5/8	16	1"	55	1,000
3"	3	10-3/4	19	1-1/2"	65	1,600
4"	4	14	24	1-1/2"	100	2,700
5"	5	16	26	1-1/2"	130	4,000
6"	6	18	30	1-1/2"	140	6,000
8"	8	20	36	2"	240	10,500
10"	10	24	42	2"	390	16,000

*Capacity in pounds of exhaust steam/hour at atmosphere pressure of 14.7 PSIA.

