Fulton®

VMP™

Vertical Multi-Port Boiler (Steam & Hot Water)

40 – 150 BHP

- **Efficiencies up to 84%**
- **Compact Footprint**
- **High-Quality Steam**

BIOFUEL READY

HYDROGEN H_2 20% READY

ALL MODELS:
1,380 – 5,175 lbs/h Output F&A 212°F
ASME Section I & IV Designs to 300 PSI

ENGINEERED TO ENDURE

Designed for heavy-duty applications, the VMP® is Fulton's Vertical Multi-Port steam boiler. The compact vertical design of the VMP has been proven through decades of successful installations and provides exceptional value over the lifetime of the boiler.

Rugged Design

Pressure vessel thickness is 30% greater than ASME requirements and is backed by an unmatched 5-year warranty.

Compact Size

The compact vertical design minimizes jacket losses and requires less floor space than competing boilers, reducing installation costs.

Engineered for the Long Haul

The vertical tubeless design of the VMP is built to last. Heavy-walled schedule 80 flue pipes help VMP boilers last 25 years or more.

Versatile Design

For critical heating processes requiring fuel redundancy, VMP boilers can be configured for dual-fuel operation.

High Quality Steam

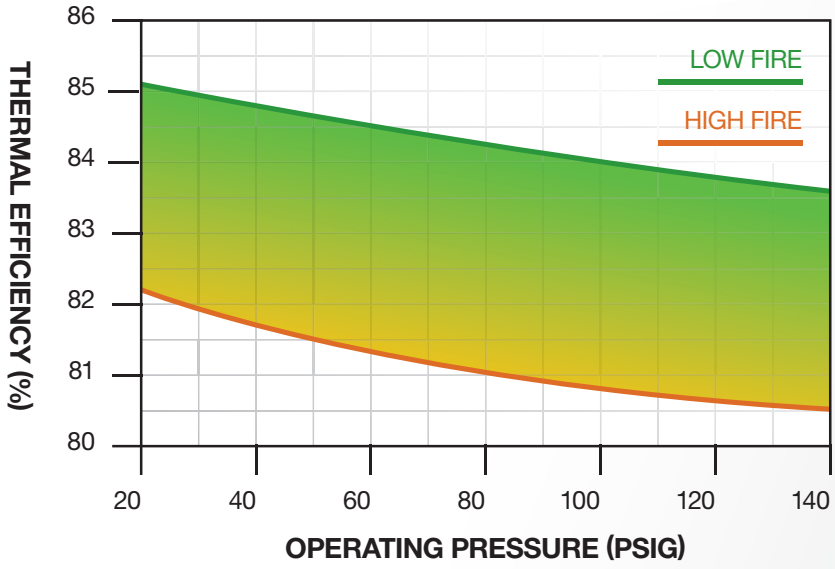
Specifiable steam quality greater than 99% makes the VMP ideal for food processing, sterilization, and humidification applications.

Advanced Technology

VMP boilers with linkageless controls can reach up to 8:1 turndown. Low NOx options are available.

Efficiency Range

STANDARD GAS BURNER, 10% CO2



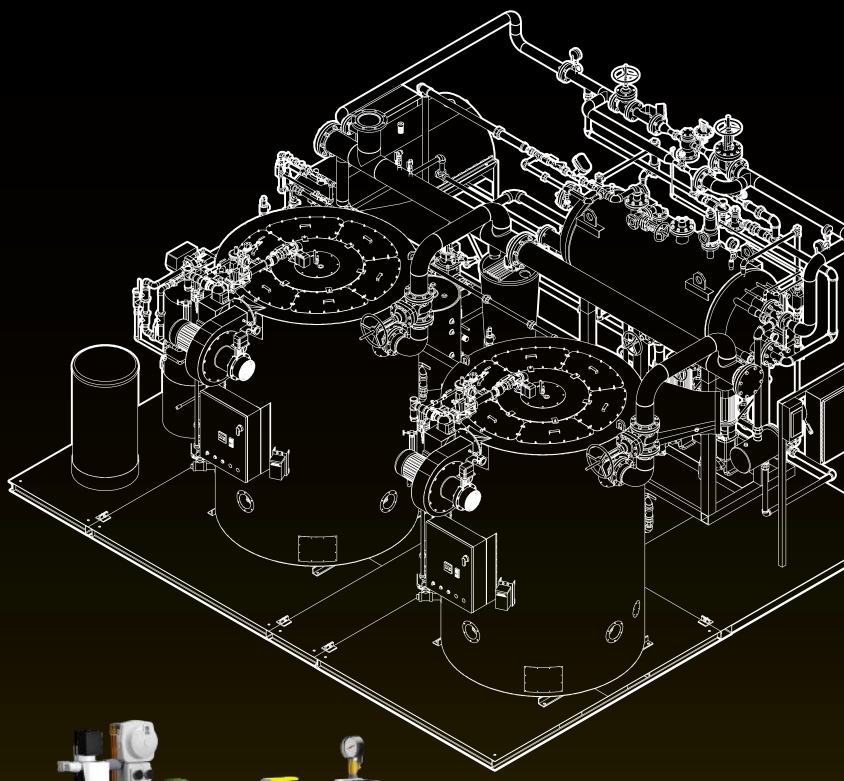
INDUSTRY LEADING EFFICIENCIES

VMP boilers have been engineered to achieve 4-pass efficiency in a compact 2-pass design. Utilizing parallel positioning controls, the VMP provides superior fuel-to-steam efficiencies up to 85%.

IDEAL FOR MODULAR ARRAYS

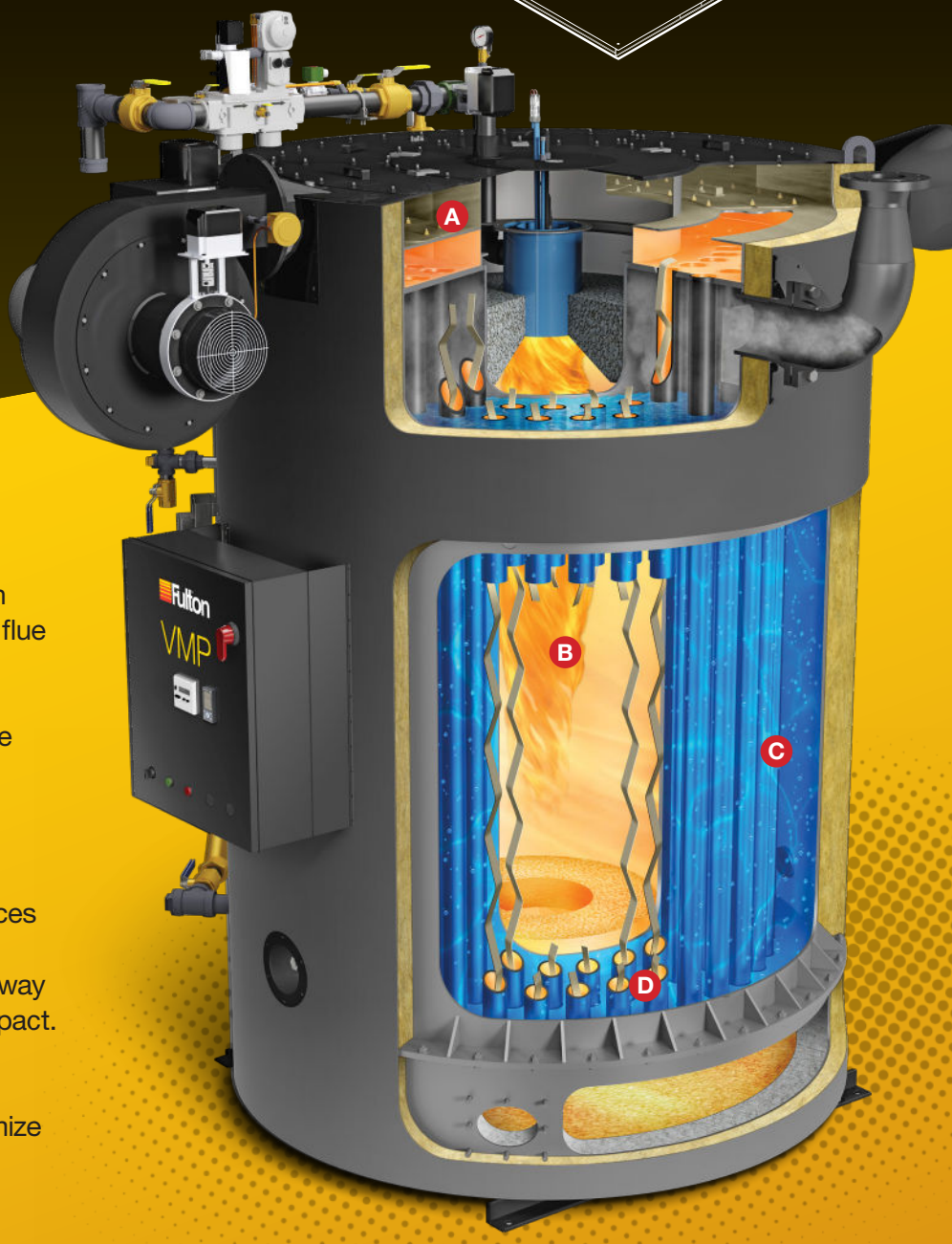
- **Reduces Overall Footprint**
- **Minimizes Standby Losses**
- **More Efficient Modulation**
- **Highest Seasonal Efficiencies**
- **10-year Pressure Vessel Warranty***

** Available on Fulton Engineered Systems*



BETTER BY DESIGN

Competing boiler designs are prone to scale buildup and costly tube failure. The vertical tubeless design of the VMP minimizes these issues while maximizing system efficiencies and extending boiler life.



A Combustion air inlet includes an integrated preheat from the hot flue gases below.

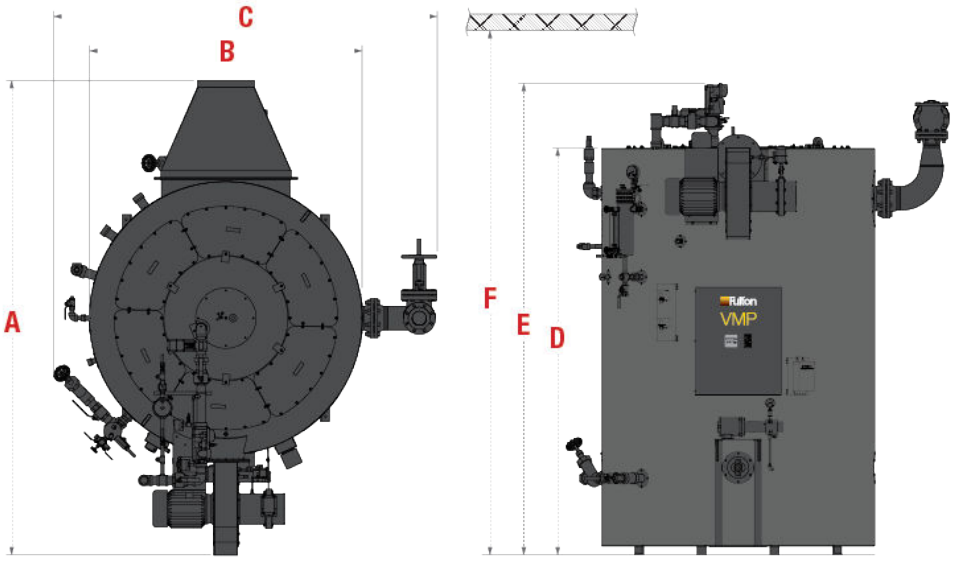
B Zero-impingement vertical flame permits low emissions and increases vessel longevity.

C Optimized internal circulation prevents stratification and reduces warm-up time. Vertical design reduces pitting – bubbles rise away from surfaces with zero side impact.

D Schedule 80 flue pipes utilize “ribboned” turbulators to maximize overall heat transfer.

SPECIFICATIONS & DIMENSIONS

MODEL		VMP-40	VMP-49.5	VMP-50	VMP-60	VMP-80	VMP-100	VMP-130	VMP-150
SPECIFICATIONS									
Fuel Input (Natural Gas)	CFH	1,594	1,974	1,993	2,392	3,188	3,986	5,181	5,979
Fuel Input (Propane)	CFH	638	790	797	957	1,275	1,594	2,082	2,392
Fuel Input (#2 Oil)	GPH	11.4	14.1	14.3	17.1	22.8	28.5	37.1	42.8
Steam Output	LB/HR	1,380	1,708	1,725	2,070	2,760	3,450	4,485	5,175
Output	MBH	1,339	1,658	1,673	2,009	2,678	3,348	4,352	5,022
Water Capacity (Operating)	GAL	153	231	219	245	348	477	749	749
DIMENSIONS									
(A) Depth	IN	97	101	101	101	113	119	130	137
(B) Width w/o Trim	IN	54	58	58	58	66	72	80	80
(C) Width w/ Trim	IN	83	87	87	87	97	105	112	112
(D) Height w/o Trim	IN	93	98	98	103	109	109	121	121
(E) Height w/ Trim	IN	105	109	109	115	121	121	133	133
(F) Burner Pull Height	IN	110	115	115	125	130	132	145	145
Steam Outlet (150 PSI, trim)	IN	3	3	3	3	4	4	4	4
Flue Outlet	IN	12	12	12	12	14	14	14	16
WEIGHTS									
Shipping Weight	LBS	5,475	6,160	6,800	7,075	9,425	10,510	12,890	12,890
Operating Weight	LBS	6,750	8,085	8,635	9,120	12,335	14,490	19,140	19,140



NOTE: *Specifications and dimensions are approximate and for reference only. Fulton practices continuous product improvement and reserves the right to change specifications and/or dimensions without notice.*

Fulton®

Call: (315) 298-5121

972 Centerville Road
Pulaski, NY 13142

fulton.com/vmp

Drawings & documentation available online

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