



**VMP**<sup>TM</sup>

VERTICAL MULTI-PORT  
STEAM BOILERS

40 – 150 BHP



25 YEARS

# 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.

## ▼ ENGINEERED FOR THE LONG HAUL

With installations lasting 25 years and counting, the vertical tubeless design of the VMP is built to last with heavy-walled schedule 80 flue pipes.

## ▼ HIGH QUALITY STEAM

The VMP provides specifiable steam quality greater than 99%, making it ideal for humidification, sterilization, and food processing applications.



▲ A healthcare facility in Wisconsin utilizes a custom Fulton Engineered System featuring two VMP-50 steam boilers

## ▼ COMPACT SIZE

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

## ▼ VERSATILE DESIGN

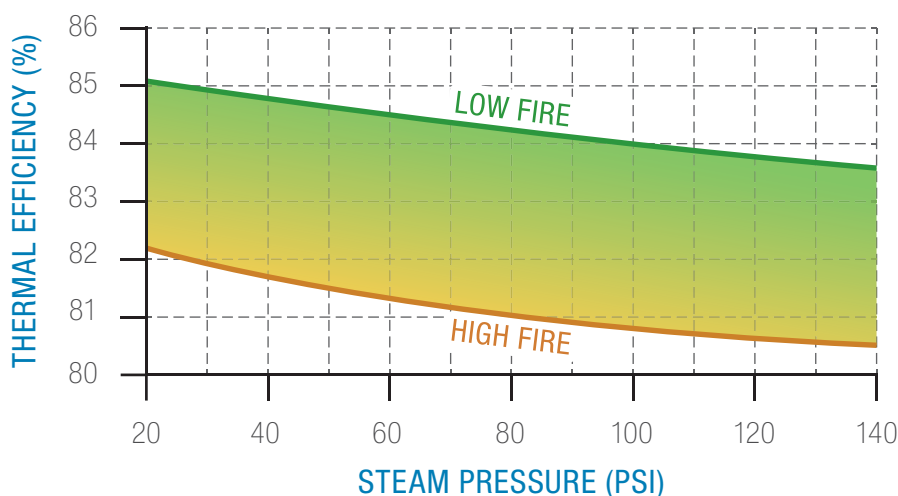
For critical heating processes requiring redundancy in the event of a fuel disruption, VMP boilers can be configured for dual-fuel operation.

## ▼ ADVANCED COMBUSTION TECHNOLOGY

VMP boilers with linkageless controls and can reach turndowns up to 8:1. Low emissions option achieves NOx levels below 9ppm on Natural Gas.

## VMP EFFICIENCY RANGE

STANDARD GAS BURNER, 10% CO<sub>2</sub>



## INDUSTRY-LEADING EFFICIENCIES

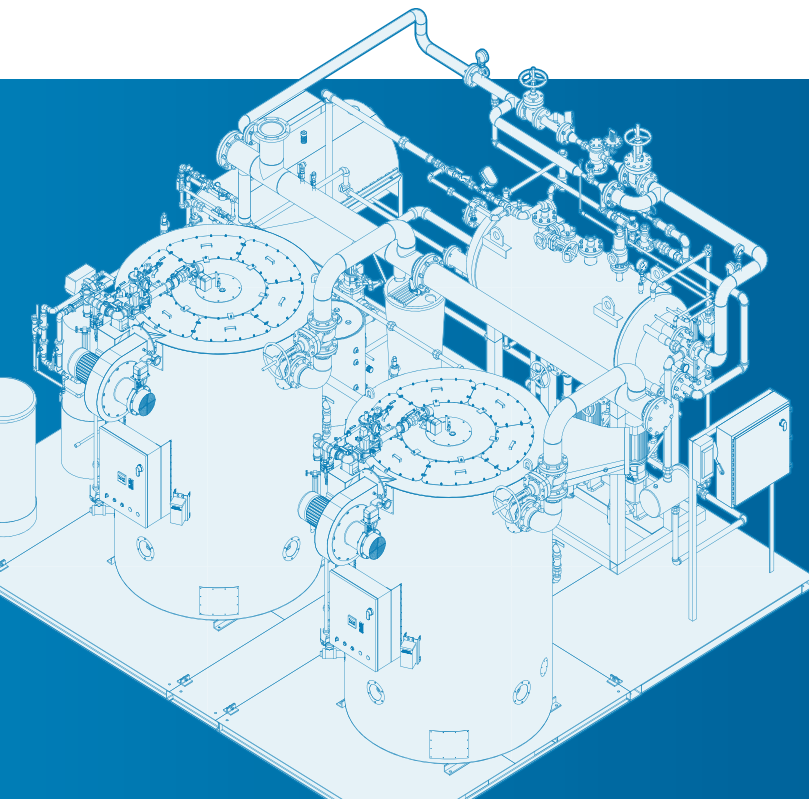
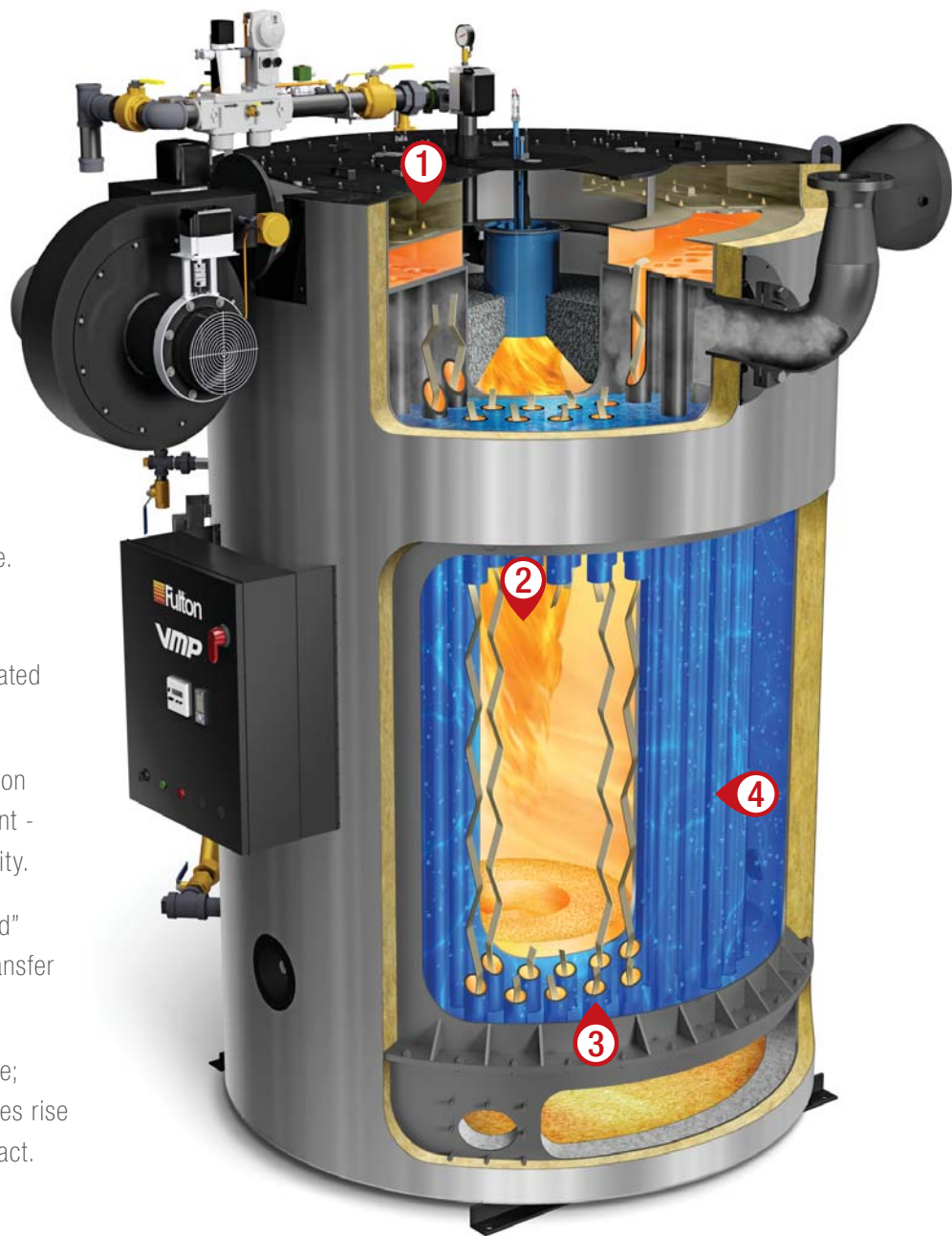
VMP boilers have been engineered to achieve 4-pass efficiency in a compact 2-pass design.

Utilizing parallel positioning controls, the VMP provides superior fuel-to-steam efficiencies up to 85%.

# 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.

- ① Combustion air inlet includes an integrated preheat from the hot flue gases below.
- ② Flame fires down the vertical combustion chamber, eliminating flame impingement - permits low emissions & vessel longevity.
- ③ Schedule 80 flue pipes utilize “ribboned” turbulators to maximize overall heat transfer
- ④ Optimized internal circulation prevents stratification and reduces warm-up time; vertical design reduces pitting – bubbles rise away from surfaces with zero side impact.



## IDEAL FOR MODULAR ARRAYS

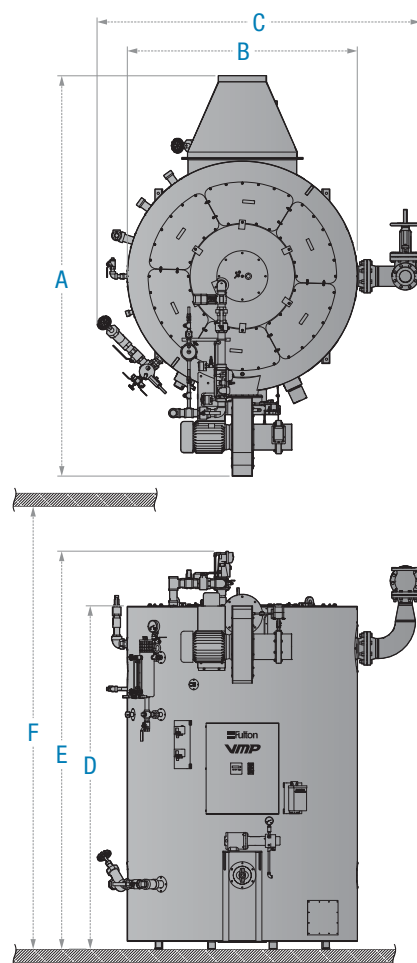
- ▶ REDUCES OVERALL FOOTPRINT
- ▶ REDUCES STANDBY LOSSES
- ▶ MORE EFFICIENT MODULATION
- ▶ HIGHEST SEASONAL EFFICIENCIES
- ▶ 10-YEAR PRESSURE VESSEL WARRANTY\*

*\* Available on Fulton Engineered Systems*

## SPECIFICATIONS AT A GLANCE

MODEL:	VMP	40	49.5	50	60	80	100	130	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	1,674	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	103.7	105.4	105.4	100.8	115.6	120.3	131.8	133.3
(B) Width w/o Trim	IN	50.5	54.6	54.6	54.6	63.1	69	76.8	76.8
(C) Width w/ Trim	IN	80.1	83.7	83.3	83.5	93.9	100.6	107.3	107.4
(D) Height w/o Trim	IN	89.8	93.5	93.5	99.5	105.3	106.6	119	118
(E) Height w/ Trim	IN	98.4	102.1	102.1	116.9	118.9	118.9	131.8	132.3
(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									
Approx. Shipping Weight	LB	5,900	6,500	6,800	7,500	9,300	10,600	15,500	16,400
Approx. Operating Weight	LB	7,175	8,424	8,631	9,545	12,208	14,577	21,749	22,649

NOTE: Specifications and dimensions are approximate and for reference purposes only. Fulton reserves the right to change specifications and/or dimensions without notice. Graphics contained in this brochure may not be representative of actual product.



Find your local sales  
representative online at:

[www.fulton.com/sales](http://www.fulton.com/sales)



/FULTON-COMPANIES



/FULTONBOILER



@FULTONBOILER



Fulton Steam Solutions, Inc.  
972 Centerville Road  
Pulaski, NY 13142  
(315) 298-5121

Printed in the U.S.A.  
VMP\_BRO\_2017-0104



Learn more about  
Fulton products and  
services online at:  
[www.fulton.com](http://www.fulton.com)