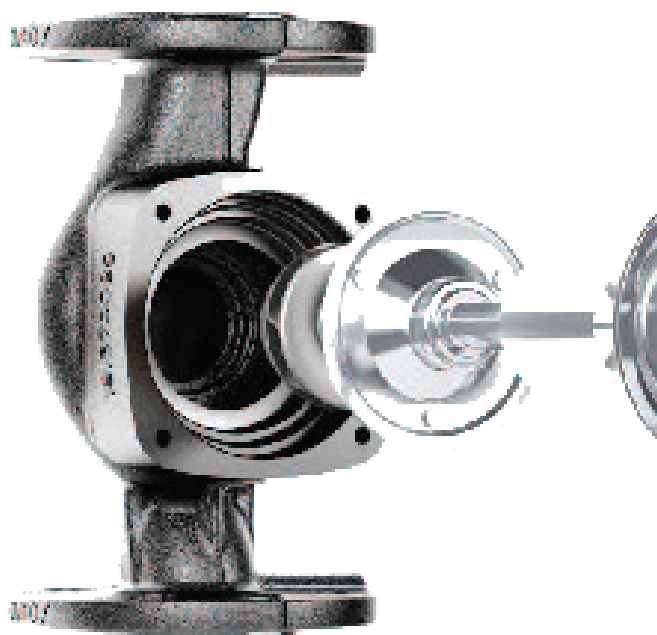


# Boiler Pump Selection Guide



**Patterson-Kelley**

# MACH<sup>®</sup>

## PUMP OFFERING

Product	Max Flow (GPM)	Min Flow (GPM)	Max Pressure Drop (FT)	Pump (Basic)	HP	Pump (Variable)	Minimum Temperature Differential (Basic)	Minimum Temperature Differential (Variable)
MACH CM300	28	6	11	E90 1.5AAB	0.5	XL 15-75		
MACH CM399	37	8	11.5	E90 1.5AAB	0.5	XL 15-75		
MACH CM500	46	10	18	E90 1.5AAB	0.5	XL 20-140		
MACH 750	75	15	12	E90 2AAB	0.75	XL 20-140		
MACH 900	90	18	12	E90 2AAB	0.75	XL 20-140		
MACH 1050	110	22	12	E90 2AAB	0.75	XL 40-275		
MACH 1500	141	28	13	E90 3AAB	1	XL 40-275		
MACH 2000	188	38	16			XL 40-275		
MACH 2500	238	47	16			XL 40-275		
MACH 3000	285	57	20			XL 40-275		25°F ΔT
MACH 4000	380	76	16			XL 40-275		30°F ΔT



### Choosing the right pump!

The e-90 pump uses a modern unitized mechanical seal with a stainless steel drive mechanism that puts less torsional stress on the seal bellows, allowing for longer mechanical seal life.



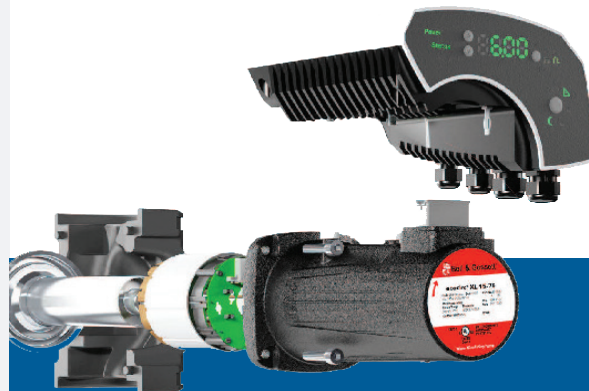
# SONIC®

## PUMP OFFERING

Product	Max Flow (GPM)	Min Flow (GPM)	Max Pressure Drop (FT)	Pump (Basic)	HP	Pump (Variable)	Minimum Temperature Differential (Basic)	Minimum Temperature Differential (Variable)
SONIC 650	62	25	15	E90 2AAB	0.75	XL 20-140		
SONIC 750	72	25	20	E90 2AAB	0.75	XL 40-200		
SONIC 850	82	30	23	E90 2AAB	1	XL 40-200		
SONIC 1000	92	30	29	E90 2AAB	1	XL 40-200	25°F ΔT	25°F ΔT
SONIC 1500	145	46	20.5			XL 40-275		
SONIC 2000	192	62	35			XL 40-275		25°F ΔT
SONIC 3000	285	93	17.5			XL 40-275		30°F ΔT
SONIC 4000	384	125	32			XL 40-275		35°F ΔT



The ecocirc XL is a highly efficient circulator that enhances commercial hydronics systems with superior quality and dependability. State-of-the-art hydraulics, advanced motor design, intelligent controls, and smart communication capabilities highlight expert engineering across a broad range of HVAC and plumbing applications.



# THERMIFIC VELOX™ & MFD™ PUMP OFFERING

Product	Max Flow (GPM)	Min Flow (GPM)	Max Pressure Drop (FT)	Pump (Basic)	HP	Pump (Variable)	Minimum Temperature Differential (Basic)	Minimum Temperature Differential (Variable)
THERMIFIC VELOX/MFD N750	120	60	10	E90 3AAB	1	XL 40-200		
THERMIFIC VELOX/MFD N1000	150	80	11	E90 3AAB	1	XL 40-275	12.5°F ΔT	
THERMIFIC VELOX/MFD N1500	150	90	12.5	E90 3AAB	1	XL 40-200		
THERMIFIC VELOX N1700	165	100	15	E90 3AAB	1	XL 40-275	20°F ΔT	
THERMIFIC VELOX/MFD 2000	180	120	18	E90 3AAB	1	XL 40-275	20°F ΔT	
MFD 2500	270	165	12			XL 40-275		22°F ΔT
THERMIFIC VELOX 3000	325	165	17			XL 40-275	25°F ΔT	



The e-90 pump is a versatile in-line pump that offers wide hydraulic coverage well suited for the small commercial HVAC market.

#### Features and Benefits:

- Ease of Selections
- Ease of Installation
- High Hydraulic Efficiency
- Robust Design
- Ease of Maintenance



# Water Heating Pump Selection Guide



Patterson-Kelley

# SONIC® SCD SERIES PUMP OFFERING

Product	Max Flow (GPM)	Min Flow (GPM)	Max Pressure Drop (FT)	Pump (Basic)	HP	Pump (Variable)	Minimum Temperature Differential (Basic)	Minimum Temperature Differential (Variable)
SCD650	62	25	15	E90 2AAB	1	XL 20-140		
SCD750	72	25	20	E90 2AAB	1	XL 40-200		
SCD850	82	30	23	E90 2AAB	1	XL 40-200		
SCD1000	92	30	29	E90 2AAB	1	XL 40-200	25°F ΔT	25°F ΔT

# THERMIFIC VELOX™ & MFD™ W SERIES PUMP OFFERING

Product	Max Flow (GPM)	Min Flow (GPM)	Max Pressure Drop (FT)	Pump (Basic)	HP	Pump (Variable)	Minimum Temperature Differential (Basic)	Minimum Temperature Differential (Variable)
W750	120	60	10	E90 3AAB	1	XL 40-200		
W1000	150	80	11	E90 3AAB	1	XL 40-275	12.5°F ΔT	
W1500	150	90	12.5	E90 3AAB	1	XL 40-200		
W1700	165	100	15	E90 3AAB	1	XL 40-275	20°F ΔT	
W2000	180	120	18	E90 3AAB	1	XL 40-275	20°F ΔT	