

Project	_____
Item	_____
Quantity	_____
FCSI Section 11400	_____
Approved	_____
Date	_____

Models

- FLT0043



Standard Features

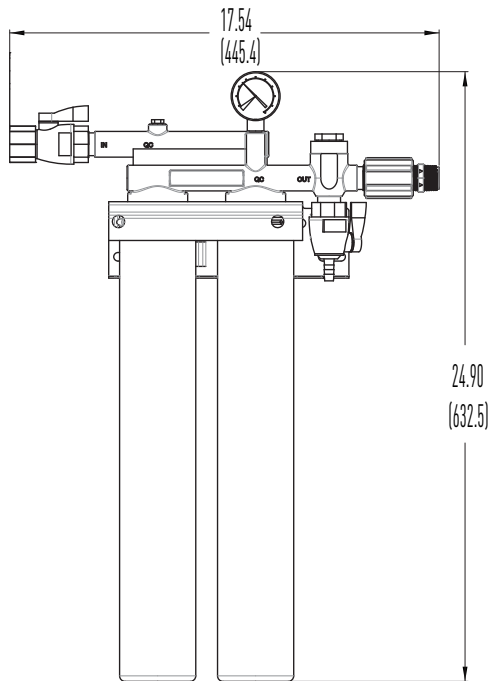
- A total system delivering high quality filtered water with cleaning and deliming capabilities
- Filters incoming water to improve the performance, maximize energy efficiency and increase the life of steam equipment
- Dual cartridge design provides enhanced performance for low or high flow capacity steamers and flexibility for expanding to meet future needs
- Reduces chlorine-induced corrosion
- System is simple to install, operate and maintain
- Service Flow Rate:
Maximum 2.5 gpm (9.5 Lpm) single cartridge
Maximum 5.0 gpm (18.9 Lpm) dual cartridge

Installation & Operating Tips

- Choose a mounting location suitable to support the full weight of the system when operating.
- Use minimum 1/2" inlet water line (3/4" preferred).
- Connect the system to the boiler water only. Do not connect system to the condenser.
- Install vertically with cartridges hanging down.
- Allow 21 1/2" (6.35 cm) clearance below the cartridge for easy cartridge replacement.
- Flush cartridges by running water through system for five (5) minutes at full flow.
- Change Cartridge on a regular six (6) month preventative maintenance program, when capacity is reached or when pressure falls below 10 psi (0.7 bar).
- Service flow rate must not exceed 2.5 gpm (9.46 Lpm) for single cartridge systems or 5.0 gpm (18.92 Lpm) for dual cartridge systems.
- Always flush the filter cartridge at time of installation and cartridge change.

KE004046-6 Rev C

Cleveland



Specifications

- **Service Flow Rate**
Maximum 2.5 gpm (9.5 Lpm) single cartridge
Maximum 5.0 gpm (18.9 Lpm) dual cartridge
- **Pressure Requirements**
10 - 125 psi (0.7 - 8.6 bar), non-shock
- **Maximum Water Temperature at Inlet**
100°F (38°C)
- **Overall Dimension**
24.90" H x 17.54" W x 5.5" D
(63.2 cm x 44.6 cm x 14 cm)
- **Inlet Connection**
3/4" FNPT
- **Outlet Connection**
3/4" FNPT
- **Operating Weight**
24 lbs (10.9 kgs)
- **Shipping Weight**
20 lbs (9 kgs)
- **Electrical Connection**
None required
- **Alkalinity Range**
2 to 12 grains per gallon
- **Electrical Connection**
None required

WATER FILTERS GUIDELINES FOR CLEVELAND STEAMERS												
		MAXIMUM FLOW RATE *				SIZING RECOMMENDATIONS						
	INITIAL FILL AT START UP (Gallons)	MAX GAL./MIN	MAX GAL./HOUR	MAX GAL./HOUR/ PAN	MAX GAL./DAY (8 Hour Day)	MEETS WATER REQUIREMENTS Cleveland	Cartridges Cleveland	DOES NOT MEET REQUIREMENTS - HIGH HARDNESS +170PPM, pH below 8.5 ph, Cleveland	DOES NOT MEET REQUIREMENTS - REVERSE OSMOSIS WITH MINERAL ADDITION Cleveland	SUGGESTED FILTER CHANGE FREQUENCY	RO PRODUCTION GPD OPTIMAL (77 F)	STORAGE TANK CAPACITY
MODEL												
STEAMCHEF SERIES (BOILERLESS)												
22CET3.1 - Energy Star	1.10	0.07	4.0	1.3	32.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0031	ANNUAL	175	16
22CET6.1 - Energy Star	1.10	0.07	4.0	0.7	32.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0031	ANNUAL	176	16
22CGT3.1 - Energy Star	1.10	0.07	4.0	1.3	32.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0031	ANNUAL	177	16
22CGT6.1 - Energy Star	1.10	0.07	4.0	0.7	32.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0031	ANNUAL	165	16
STEAMCRAFT-COUNTER TOP (GENERATORS)												
21CET8	2.80	0.057	3.42	1.1	27.36	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0031	ANNUAL	175	16
21CET16	3.80	0.113	6.78	1.4	54.24	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0026	ANNUAL	175	16
21CGA5	4.00	0.113	6.78	1.4	54.24	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0026	ANNUAL	175	16
10 PAN MODELS (GENERATORS)												
24CGA10	7.90	0.185	11.10	1.1	88.80	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0027	6 MONTHS	350	50
24CGA10.2	3.30	0.194	11.64	2.3	93.12	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0027	6 MONTHS	350	50
24CGA10.2ES Energy Star	3.30	0.132	7.90	1.6	63.20	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0026	6 MONTHS	350	16
24CEA10	3.80	0.113	13.56	2.7	108.48	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0027	6 MONTHS	350	50
24CGP10	16.00	0.360	21.60	2.2	172.80	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	3 MONTHS	1400	50
CLASSIC CONVECTION SERIES (BOILER BASE)												
200,000 BTU Boilers (24CGM200)	8.00	0.2500	15.00	2.5	120.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	6 MONTHS	1400	50
300,000 BTU Boilers (36CGM300, 36CGM16300)	12.00	0.3600	21.60	2.2	172.80	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	3 MONTHS	1400	50
24 kW Boilers (24CEM24)	9.00	0.1600	9.60	1.0	76.80	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0027	6 MONTHS	350	50
36kW Boilers (24CEM36)	9.00	0.2400	14.40	1.4	115.20	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	6 MONTHS	1400	50
48 kW Boilers (24CEM48)	9.00	0.3000	18.00	1.8	144.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	3 MONTHS	1400	50
CLASSIC PRESSURE SERIES (BOILER BASE)												
24 kW Boilers PEM24	9.00	0.1600	9.60	1.0	76.80	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0027	6 MONTHS	350	50
36kW Boilers PEM36	9.00	0.2400	14.40	1.4	115.20	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	6 MONTHS	1400	50
48 kW Boilers PEM48	9.00	0.3000	18.00	1.8	144.00	FLT0040	FLT0014 & FLT0018	FLT0043	FLT0012	3 MONTHS	1400	50

* Max Flow Rate is when steamer is cooking continuously. Idle mode uses significantly less water.

NOTES:

Cleveland Range reserves right of design improvement or modification, as warranted.

Many regional, state and local codes exist and it is the responsibility of the owner and installer to comply with the codes.

Cleveland Range equipment is built to comply with applicable standards for manufacturers. Included among those approval agencies are U.L./NSF#4 and CSA (AGA, CGA).

(NOT TO SCALE)