



TEMPER FURNACES



Constructed of Heavy Plate Steel for Unmatched Dependability

- Exceeds standard oven construction
- Low initial and installed cost
- Precision-built to meet the demand for quality
- 100% performance-proven

BeaverMatic temper furnaces are specifically designed for drawing, tempering and stress relieving applications. These units serve as companions to the complete line of BeaverMatic internal quench furnaces. But they are compatible for use with all standard IQF equipment. Available at low competitive cost, BeaverMatic tempers assure rigid temperature and specific process results.

Features

Heating—Radiant tubes are used for indirect fired furnaces, a single burner and baffles for direct fired units. Temperature uniformity of $\pm 10^{\circ}$ F. is achieved through the use of a recirculating fan. Combustion systems comply with FM or IRI safety standards.

Control System—The basic control system consists of a recorder, controller and an overtemperature alarm. Programmable Logic Control (PLC) systems are available.

Construction—BeaverMatic tempers are of rugged gauge steel design. They are gas-tight for nitrogen atmosphere, the use of which applies to indirect-fired and electrically-heated furnaces only.

Insulation—The heating chamber is lined either with high quality insulating fire brick or ceramic fibre insulation, as specified.

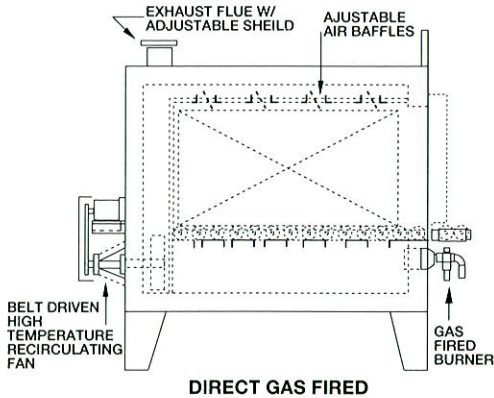
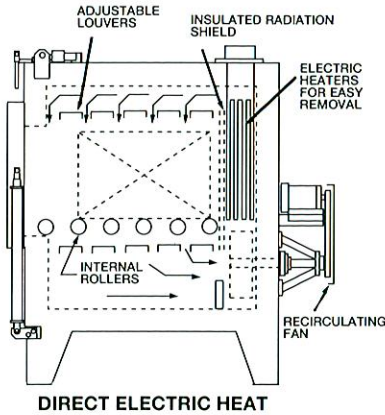
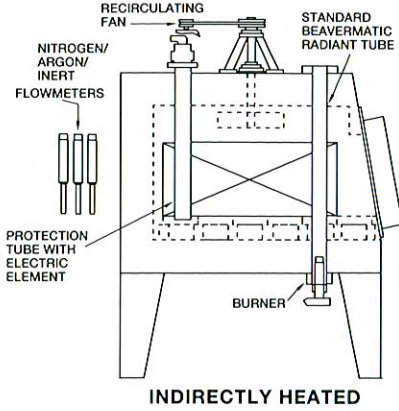
Hearth—6" stainless steel rollers are used to transfer loads in and out of the furnaces.

These large rollers promote easy load movement.

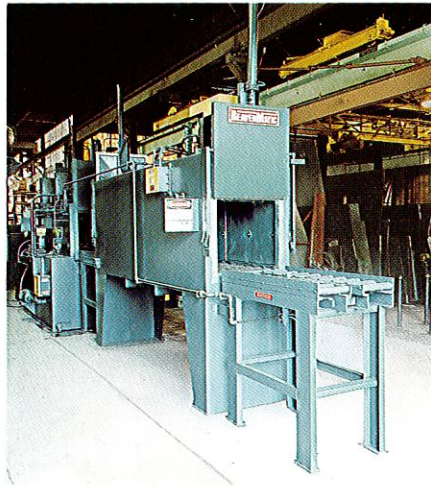
Door—The pneumatically operated front door has a gravity seal and is lined with ceramic fibre insulation.

Note—Temper units are furnished with all necessary electrical/mechanical drawings and a comprehensive operator's manual.

TEMPER FURNACE SIZES/SPECIFICATIONS



Working Dimensions							Overall Dimensions		
Width	Length	Height	No. of Tubes	BTU Rating	Load Lbs.	KW Rating	Width	Length	Height
18"	24"	14"	4	300,000	250	20	5'-6"	5'-5"	7'-0"
18"	24"	20"	4	350,000	400	30	5'-6"	5'-5"	7'-6"
24"	36"	20"	4	400,000	500	40	6'-0"	5'-11"	8'-0"
24"	36"	26"	4	480,000	750	50	6'-0"	5'-11"	8'-6"
30"	48"	20"	6	600,000	1,000	65	6'-6"	6'-11"	8'-5"
30"	48"	26"	6	720,000	1,500	80	6'-6"	6'-11"	8'-11"
30"	48"	32"	8	1,120,000	2,000	100	6'-6"	6'-11"	9'-5"
36"	48"	20"	6	720,000	1,500	80	7'-0"	6'-11"	8'-11"
36"	48"	26"	8	960,000	2,000	100	7'-0"	6'-11"	9'-5"
36"	48"	32"	8	1,120,000	2,000	100	7'-0"	6'-11"	9'-11"
48"	48"	32"	10	1,350,000	3,000	120	8'-0"	6'-11"	9'-11"
48"	48"	38"	10	1,500,000	4,000	150	8'-0"	6'-11"	10'-5"
48"	72"	36"	18	2,000,000	4,000	200	8'-0"	12'-0"	10'-5"
48"	72"	48"	18	2,250,000	5,000	225	8'-0"	12'-0"	11'-5"



New 24"W x 36"D x 20"H multi-zone BeaverMatic unit combines temper furnace processing with a two chamber washer in one continuous operation.



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