

## RO Element Pit

The Lindberg/MPH Rod Overbend (RO) pit furnace is electrically powered and suitable for a multitude of heat treat applications. It is available with temperature ranges to 1850°F and in a wide range of sizes. The round cross-section of RO elements gives excellent long-term stability with minimal resistance change. The fast heating rate, heavy load capacity and reliable operation help you to achieve quick turnaround and high productivity. The furnace is very simple and economical to operate.

### Features

- Temperature range to 1850°F
- Compact size
- Low Watt-density, long life RO elements
- Lightweight ceramic module insulation
- Easy-loading vertical chamber
- Pneumatically operated cover on larger sizes
- Excess temperature instrument

### Benefits

- Ideal for JIT layouts
- Less maintenance and down time
- Quick, consistent heat up rates
- High productivity: Cycle time is minimized by rapid heat up rates
- High uniformity: Dense loads can be uniformly treated, maximizing throughput
- Simple operation

### Applications

- Annealing
- Carbonitriding
- Carburizing
- Hardening
- Normalizing

### Options

- Circulating Fan
- Retort
- Carbon controls with oxygen probe
- Nitrogen-methanol atmosphere system
- Gas flowmeters for dissociated ammonia or exothermic atmospheres
- Endothermic atmosphere system
- Automatic nitrogen system
- Control and recorder instrument options



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## Specifications

Model	Approximate Dimensions (in.)				Work Space (in.)		Input (kW)	Control Zones	Atmos. CFH	Max. Load Wt. (lbs.)	Approx. Wt. (lbs.)
	Height	Width	Length	Overall Height	Dia.	Depth					
12-RO-1824-18A	70	65	75	96	18	24	35	1	175	620	3,200
12-RO-2436-18A	81	70	80	108	24	36	60	1	285	1,650	5,900
12-RO-2448-18A	93	70	80	120	24	48	75	1	340	2,210	6,100
12-RO-2836-18A	78	74	80	108	28	36	40/20	2	330	2,240	6,500
12-RO-2854-18A	96	74	80	130	28	54	60/30	2	420	3,370	7,200
12-RO-3848-18A	85	82	96	123	38	48	90	1	520	5,510	9,400
12-RO-3854-18A	92	82	96	137	38	54	105	1	555	6,200	10,800
12-RO-3872-18A	107	82	96	147	38	72	3@40	3	650	8,280	12,100
12-RO-4872-18A	110	92	99	154	48	72	3@50	3	810	10,990	18,500
12-RO-6048-18A	85	102	131	135	60	48	2@65	2	820	13,740	19,000
12-RO-6072-18A	108	102	131	157	60	72	175	1	1,000	20,620	22,800

