

MERCURY RETORTS



INDUSTRY USES

Denver Mineral Engineers' mercury retorts are designed to remove water and mercury from:

- Precious metal concentrates
- Contaminated soils and refuse
- Fluorescent light bulbs



STANDARD DESIGN FEATURES

- 316 stainless steel retort chamber
- Insulated carbon steel shell (surface temperature no greater than 150 deg. F, 65 deg. C)
- Electrically heated and controlled with a variable "ramp and soak" temperature controller
- Retort door sealed with a heat resistant O-ring
- Sulfur-impregnated activated carbon mercury filters
- Stainless steel condensers and heat exchangers
- Carbon steel oversized mercury collection tank with drain and level gauge
- 316 SS retort trays
- Skid mounted, pre-piped, pre-wired, for easier set-on-site installation

OPTIONS AVAILABLE

- Fuel oil fired
- Gas fired
- All SS/PVC process equipment
- Closed-loop chilled water
- RA-330 SS retort
- 380 VAC/3PH/50HZ
- RS-485 or RS-232 data communication
- Alternate control schemes
- Custom designs



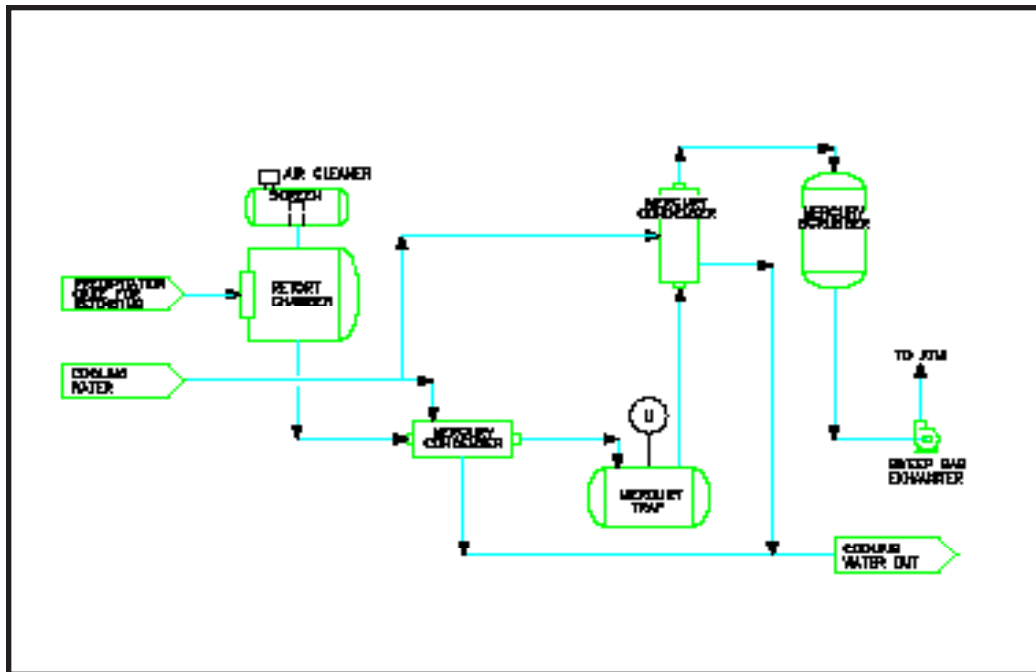
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SPECIFICATIONS

MOD-	BATCH VOL		POWER REQUIRED	RETORT TRAYS	RETORT DIA		W x L x H		WEIGHT	
	Cubic Feet	Cubic Meters			Feet	Meters	Feet	Meters	Lbs	Kg
MR-LAB	0.04	0.001	8KW	1-6"x4" dia.			4x4x4	1.2x1.2x1.2	600	272
MR-1	1.0	0.028	15KW	3-6"x12" dia.	1.67	0.51	6x4x6	1.8x1.2x1.8	1200	544
MR-2	2.0	0.057	22KW	4-5"x16" dia.	2.5	0.76	8x6x8	2.4x1.8x2.4	1600	726
MR-4	4.0	0.113	27KW	4-4"x18"x30"	3	0.91	8x10x8	2.4x3.0x2.4	2600	1179
MR-8	8.0	0.227	40KW	5-4"x21"x44"	3.5	1.07	8x14x8	2.4x4.3x2.4	3600	1633
MR-15	15.0	0.425	55KW	4-6"x30"x44"	4	1.22	8x14x8	2.4x4.3x2.4	4100	1860
MR-25	25.0	0.708	65KW	4-6"x36"x60"	5	1.52	8x18x8	2.4x5.5x2.4	5200	2359
MR-35	35.0	0.991	80KW	5-6"x36"x66"	5	1.52	8x18x8	2.4x5.5x2.4	5800	2631