

# OTP SERIES PORTABLE HOT OIL UNITS

FOR TEMPERATURES FROM 450°F TO 600°F



## Hot Oil Units Built to Take the Heat

Budzar Industries has over 30 years of experience engineering and building hot oil systems. Budzar engineers are experts at ensuring hot oil systems are accurate, leak-free and safe.

The Silver Series with its maximum operating temperature of 600°F shares the same engineering principles as Budzar's high temperature oil systems. With simple and easy to understand controls and a premium on operator safety, the Silver Series will stand the test of time.



## engineering PRECISION

- Welded pipe construction eliminates leaks
- Compact, space saving design
- Carbon steel powder coated sheet metal cabinet with lift off panel for maintenance access—no sheet metal screws to remove
- Ultra low heater watt density prevents “coking” and extends useful life of oil
- Y-strainer on pump suction line
- Internal by-pass valve maintains proper flow across the heater regardless of the pressure drop through your process
- Automatic air and water vapor purging system simplifies start-up and prevents pump cavitation
- Heater case design eliminates air pockets that can damage the heater element
- Heater center core baffles increase oil velocity and prevent damage to the oil
- Positive displacement pump with TEFC motor
- Integral 5 ft<sup>2</sup> Stainless steel cooling bundle provides smooth cooling profiles without flashing at high operating temperatures
- High temperature mechanical pump seal prevents leaks
- Reversible pump/evacuation
- Low pressure safety switch for protection against running without proper fill
- Non-proprietary PID microprocessor controller operator's digital display
- Electrically actuated automatic cooling control without system temperature spikes or cooling water flashing
- Motor starter with solid state overload protection
- Non-fused lockable rotary disconnect
- UL Listed panel
- Separate process and set point temperature displays
- Full lighted status display provides complete diagnostics for the system
- High level alarm
- Audible alarm



# PORTABLE SILVER SERIES HOT OIL

Model#	1SSOT	1220-NC-030	1220-NC-050	1220-NC-100	1230-NC-030	1230-NC-050	1230-NC-100	1250-NC-030	1250-NC-050	1250-NC-100
HEATER	kW	12	12	12	12	12	12	12	12	12
FLOW	GPM	20	20	20	30	30	30	50	50	50
TDH	Psi	30	50	100	30	50	100	30	50	100
MOTOR	HP	1	1.5	2	1.5	2	3	2	3	5
FLA@460/3/60	Amps	17.4	18.3	18.7	18.3	18.7	20.1	18.7	20.1	22.9
FLA@230/3/60	Amps	34.8	36.6	37.4	36.6	37.4	40.2	37.4	40.2	45.8
DIMENSIONS	Height	49"	49"	49"	49"	49"	49"	49"	49"	49"
	Width	28"	28"	28"	28"	28"	28"	28"	28"	28"
	Length	48"	48"	48"	48"	48"	48"	48"	48"	48"

  

Model#	1SSOT	2420-NC-030	2420-NC-050	2420-NC-100	2430-NC-030	2430-NC-050	2430-NC-100	2450-NC-030	2450-NC-050	2450-NC-100
HEATER	kW	24	24	24	24	24	24	24	24	24
FLOW	GPM	20	20	20	30	30	30	50	50	50
TDH	Psi	30	50	100	30	50	100	30	50	100
MOTOR	HP	1	1.5	2	1.5	2	3	2	3	5
FLA@460/3/60	Amps	32.4	33.3	33.7	33.3	33.7	35.1	33.7	35.1	37.9
FLA@230/3/60	Amps	64.9	66.7	67.5	66.7	67.5	70.3	67.5	70.3	75.9
DIMENSIONS	Height	49"	49"	49"	49"	49"	49"	49"	49"	49"
	Width	28"	28"	28"	28"	28"	28"	28"	28"	28"
	Length	48"	48"	48"	48"	48"	48"	48"	48"	48"

  

Model#	1SSOT	3620-NC-030	3620-NC-050	3620-NC-100	3630-NC-030	3630-NC-050	3630-NC-100	3650-NC-030	3650-NC-050	3650-NC-100
HEATER	kW	36	36	36	36	36	36	36	36	36
FLOW	GPM	20	20	20	30	30	30	50	50	50
TDH	Psi	30	50	100	30	50	100	30	50	100
MOTOR	HP	1	1.5	2	1.5	2	3	2	3	5
FLA@460/3/60	Amps	47.7	48.6	49	48.6	49	50.4	49	50.4	53.2
FLA@230/3/60	Amps	95.4	97.2	98	97.2	98	100.8	98	100.8	106.4
DIMENSIONS	Height	73"	73"	73"	73"	73"	73"	73"	73"	73"
	Width	28"	28"	28"	28"	28"	28"	28"	28"	28"
	Length	48"	48"	48"	48"	48"	48"	48"	48"	48"

  

Model#	1SSOT	4820-NC-030	4820-NC-050	4820-NC-100	4830-NC-030	4830-NC-050	4830-NC-100	4850-NC-030	4850-NC-050	4850-NC-100
HEATER	kW	48	48	48	48	48	48	48	48	48
FLOW	GPM	20	20	20	30	30	30	50	50	50
TDH	Psi	30	50	100	30	50	100	30	50	100
MOTOR	HP	1	1.5	2	1.5	2	3	2	3	5
FLA@460/3/60	Amps	62.8	63.7	64.1	63.7	64.1	65.5	64.1	65.5	68.3
FLA@230/3/60	Amps	125.6	127.4	128.2	127.4	128.2	131.0	128.2	131.0	136.6
DIMENSIONS	Height	73"	73"	73"	73"	73"	73"	73"	73"	73"
	Width	28"	28"	28"	28"	28"	28"	28"	28"	28"
	Length	48"	48"	48"	48"	48"	48"	48"	48"	48"

## Standard Options

- Side Stream Cooling, Water Cooling 5 sq. ft
- Main Stream Cooling, Water Cooling 5 sq. ft
- Solid State Relays
- Isolation Valves
- RS-485 Digital Communications
- Upgrade to 600°F Maximum Temperature
- Dual Zone
- Hose Kit
- Retransmission/Remote Set Point
- Hoffman NEMA 12 enclosure



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