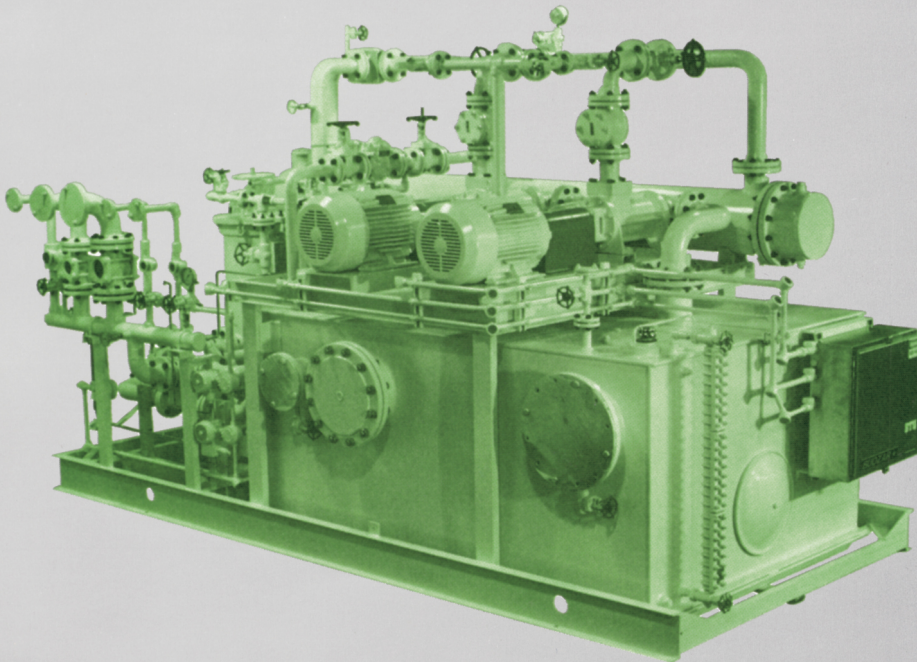


# LUBRICATING OIL SYSTEM



## EXCELLENT RETURN ON INVESTMENT

- Each Budzar unit is designed to maximize the productivity of your process. Budzar quality and reliability provide excellent value for each dollar invested.
- Reliable process control improves process consistency, speeds start-up, and increases production rates.

## LOW-COST, SIMPLE OPERATION AND MAINTENANCE

- Pressure, temperature and flow controls provide reliable, accurate operation
- Easy-to-access components allow quick servicing.
- "At-a-glance" indicator lights display important operating conditions.
- Available in steel or stainless steel welded construction.
- System and operator are protected by pressure, temperature alarms relief valve.
- All electrical components are housed in a NEMA 4 enclosure with through-the-door disconnect for safe operation.
- Components isolated from contact with oil for easy maintenance.

## QUICK AND EASY INSTALLATION

- Single-point connections for all utilities.
- All units are factory tested prior to shipment.

BTU LOS Series Lubricating Oil Systems provide up to six independent zones, each with its own controls, pumps, heaters, and cooling modes. Independent control maximizes production by operating each at independent set points. The LOS Series is available for use with plant steam or electricity as the heat source.

The LOS Series is available in both air cooled or water cooled operation. This series is designed for outdoor installation and operating oil temperatures up to 200°F.

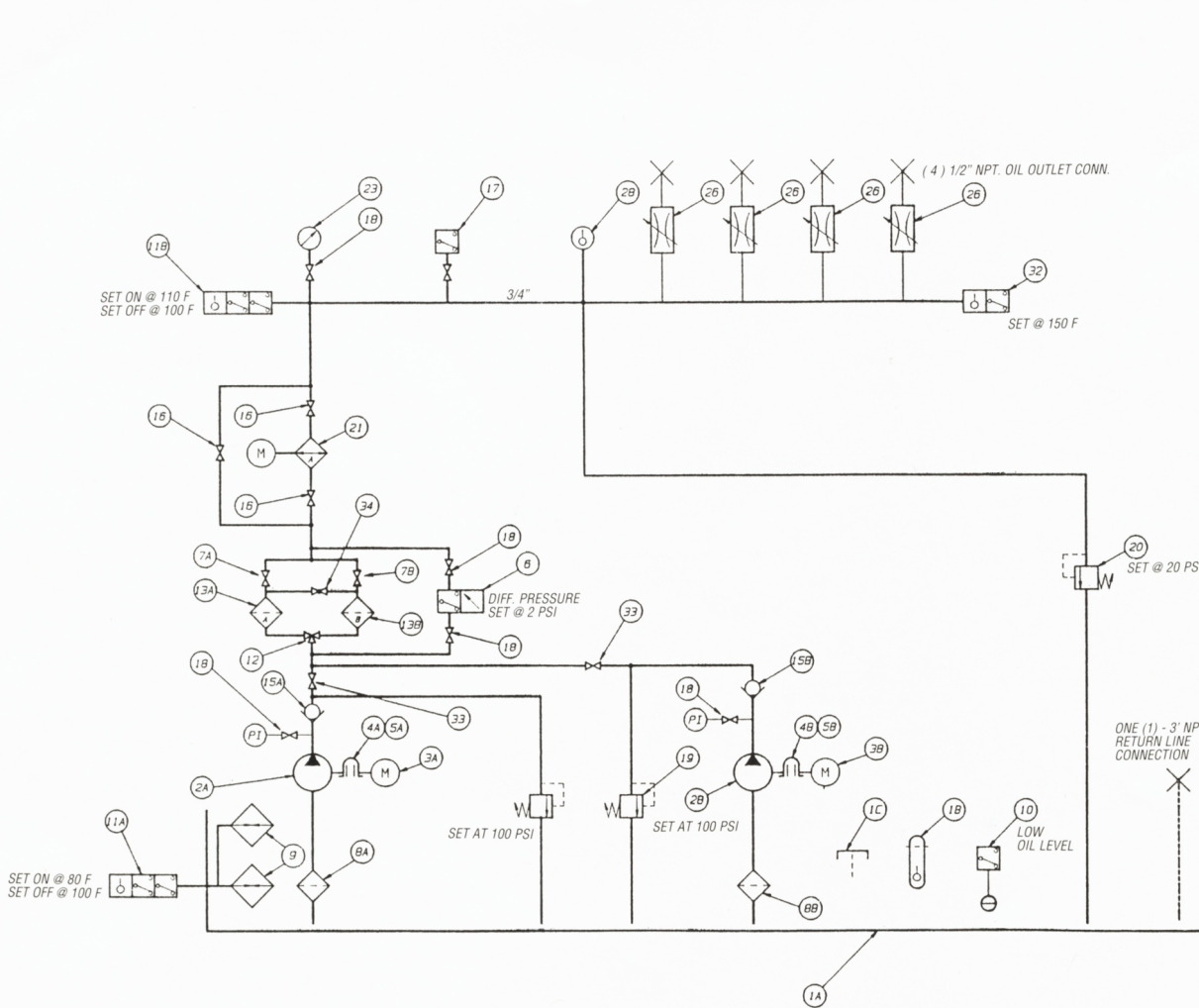
Budzar also designs and manufactures specialized equipment for non-standard applications. Our engineers have extensive experience in process cooling and heating applications for such industries as: rubber, paper, plastics, chemical, food, and utility industries. We take the time to understand your current and future needs and design a solution targeted at high quality and fast payback.

# BUDZAR

**ENGINEERING THE FUTURE FOR THE PROCESS INDUSTRIES**  
38241 Willoughby Pkwy • Willoughby, Ohio 44094-7582 • (440) 918-0505 • Fax (440) 918-0606/918-0707



# LUBRICATING OIL SYSTEM



- 1A. Reservoir
- 1B. Sight Gauge w/ Thermometer
- 1C. Filler Breather
- 2A. & 2B. Pumps
- 3A. & 3B. Motor
- 4A. & 4B. Couplings
- 5A. & 5B. Pump/Motor Mounting Bracket
- 6. Differential Pressure Switch
- 7A. & 7B. Isolation Valves
- 8A. & 8B. Suction Filters
- 9. Electric Heater
- 10. Level Switch
- 11A. & 11B. Temperature Switch
- 12A. & 12B. 3-Way Ball Valve
- 13A. & 13B. Filter
- 15A. & 15B. Check Valves
- 16A., B., C. Ball Valve
- 17. Pressure Switch
- 18. Shut-Off Valves
- 19. & 20. Relief Valve
- 21. Oil Cooler
- 23. Pressure Gauge
- 26. Flow Control Valve
- 28. Thermometer
- 32. Temperature Switch
- 33. Block Valve
- 34. Needle Valve

## DUPLEX CIRCULATING OIL SYSTEM Consult factory for larger sizes to 300 GPM

SIZE	FLOW RATE GPM	LINE SIZE-NOMINAL (Based on 10FPS)	PUMP/MOTOR HP	COOLER MOTOR HP			HEAT REMOVAL BTU/HR.	HEATER KW	RESERVOIR SIZE GALS.	Outlet Line Size-NPT	Return Line Size-NPT	
				115w	1/4"	1/2"						3/4"
1	1-5	1/2"	1	115V	115V	230/460V	230/460V	9870	3	40	3/8	1 1/2"
2	12	3/4"	2					23100	3	40	3/8	1 1/2"
3	20	1"	3					37800	3	80	1/2	2
4	30	1 1/2"	5					52500	3	150	3/4	2

NOTE: Consult factory for detailed engineering information.

# BUDZAR INDUSTRIES