

MOS/MWS

Heat Transfer Systems

Quick Turn Units

- MWS, Heat Water and Water/ Glycol Solutions to 300°F (150°C)
- MOS, Heat Transfer Fluids to 500°F (260°C)
- 50 - 500 kW
- 480V 3-Phase, 60 Hz
- Compact Footprint for Installation
- 150# Welded Steel Construction
- Steel Chamber
- Long Life 0.475 in. (12.1 mm) dia. Incoloy Sheath Heating Elements
- Electronic Digital Temperature Process and Overtemp Control
- Discharge Pressure Gauge
- UL NEMA 4 Electrical Enclosure Complete with SCR Trim, Disconnect, Heater On/Off Switch, and Transformers



Description

Chromalox MWS - Mid-Size Water/Glycol System - is engineered to operate to 300°F (150°C) with either water or water/glycol fluids. Its electric heating core assures responsive and precise temperature control in a space saving package.

Chromalox MOS Mid-Size Hot Oil System is engineered to operate to 500°F (260°C), at atmospheric pressure (non-pressurized). Its electric heating core assures responsive and precise temperature control in a space saving package. The system can be used with most types of heat transfer oils such as Paratherm®, Mobiletherm®, Therminol®, Dow Brands®, etc.

Applications

MOS/MWS systems are great for reactors, evaporators, dryers, platen presses, heat exchangers, roll heating, or any jacketed kettles / vessels / tanks.

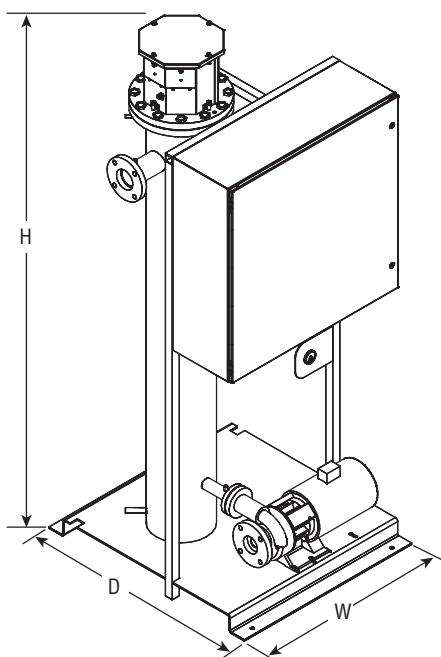
Heat transfer systems can be used in a variety of industries such as chemical, plastics, cosmetics, automotive, rubber, refining, pharmaceutical, non-woven / textiles/ fibers, aerospace, or any other industrial market.

Construction

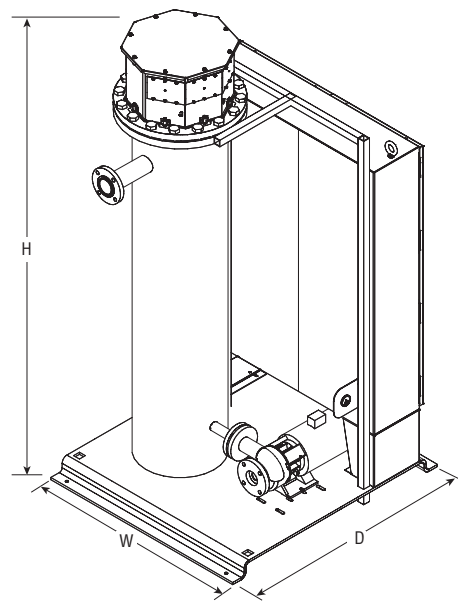
Chromalox MOS/MWS systems are ruggedly constructed for industrial applications. The heavy-duty, steel support base features channel grooves for forklift transport. The heater chamber is fully welded and houses Chromalox brand, long-lasting heating elements. The panel is fully UL-listed and assembled in-house. The final assembly is fully-shop tested prior to shipment.

Packaged Systems

MOS/MWS Heat Transfer Systems Quick Turn Units



**MOS 50-100 kW Unit
MWS 50-200 kW Unit
(Front View)**



**MOS 150-300 kW Unit
MWS 200-500 kW Unit
(Rear View)**

HEAT TRANSFER

Order Table

Application	kW	WPSI	Voltage	Total Amps	Dimensions (in)				Motor HP	Flow Rate (GPM)	Part#	Weight (Lbs)	System Capacity (Gal.)
					Height (H)	Width (W)	Depth (D)	Inlet/Outlet					
Heat Transfer Oil	50	23	480 3PH	70	96"	36"	42"	3"/2", 150#	7.5	120	306583027	900	25
	100	25	480 3PH	130	96"	36"	42"	3"/2", 150#	7.5	120	306584011	900	25
	150	25	480 3PH	190	96"	48"	54"	3", 150#	10	200	306584012	2,600	65
	200	25	480 3PH	250	96"	48"	54"	3", 150#	10	200	306912007	2,600	65
	250	27	480 3PH	310	96"	48"	54"	3", 150#	10	200	306912008	2,600	65
	300	28	480 3PH	370	96"	48"	54"	3", 150#	10	200	306912009	2,600	65
Water and Water/Glycol	50	50	480 3PH	70	96"	36"	42"	2", 150#	3	60	306830013	900	25
	100	50	480 3PH	130	96"	36"	42"	2", 150#	3	60	306830014	900	25
	200	50	480 3PH	250	96"	36"	42"	2", 150#	3	60	306830308	900	25
	300	50	480 3PH	370	96"	48"	54"	2.5"/3", 150#	10	200	306830603	2,600	65
	400	53	480 3PH	490	96"	48"	54"	2.5"/3", 150#	10	200	306830604	2,600	65
	500	50	480 3PH	610	96"	48"	54"	2.5"/3", 150#	10	200	306830903	2,600	65

Included Features

- Electronic Solid State (SCR) Trim Power Control
- Electronic Process Controller
- Electronic Overtemp Controller
- Insulated Heating Chamber
- NEMA 4 Construction
- Discharge Pressure Gauge
- Panel Disconnect Switch
- Heater On/Off Switch
- Start / Stop buttons with Motor Starter
- Pilot Lights for Power, Heater, & Pump
- Inlet / Outlet 150# Flange Connections
- Fully Pre-wired & Tested
- Centrifugal Pump