

KINNEY®

# OFRP PUMP PACKAGE

Oil-Filled Liquid Ring Vacuum Pump Systems

## Features

- Completely self contained
- Designed for long life
- Higher vacuum than with water-sealed systems
- Completely recirculated sealing fluid
- Easy to install and maintain
- Fully assembled and wired

Kinney® Oil-Filled Liquid Ring Vacuum Pump Systems are fully assembled with all interconnecting wiring and piping. Systems are mounted on a common steel base and fully tested and painted before shipment. They consist of a single compound liquid ring vacuum pump with mechanical seals and following system components:

- Suction line flexible connector
- Suction line isolation valve
- Suction line check valve
- Adjustable vacuum control switch
- Oil/water heat exchanger
- Oil thermometers, valve and compound pressure gauge
- Cooling water solenoid valve, strainer, flow control valve sensing oil temperature and thermometer
- Steel exhaust separator tank
- Discharge oil mist eliminator with relief valve and oil return line
- Drive motor TEFC
- Motor control center with magnetic motor starter, HOA switch and fusible disconnect switch



## Optional Accessories:

- Discharge flexible connectors
- Oil level controls and makeup solenoid valve
- Circulating pump
- Special electrical enclosure
- Receiver tanks

## Specifications

OFRP		75	100	125	200	300	525	526
Rotational Speed	RPM	1750	1750	1750	1750	1750	1750	1500
Standard Motor*	HP	5	7.5	10	15	25	50	40
60°F Cooling Water Required	GPM	10	12	14	20	28	48	32
Cooling Water Connection	NPT	1	1	1	1	1.5	2	2
Inlet/Outlet Connections	Inches	1.5	1.5	1.5	2	2	3	3
Inlet Connection (Flange)		1 1/2	1 1/2	1 1/2	2	2	3	3

\*Standard motor is open, drip proof for standard operating conditions. Smaller or larger motors may be used on some models when chosen sealant system and/or operating conditions permit.

## OFRP Performance Data

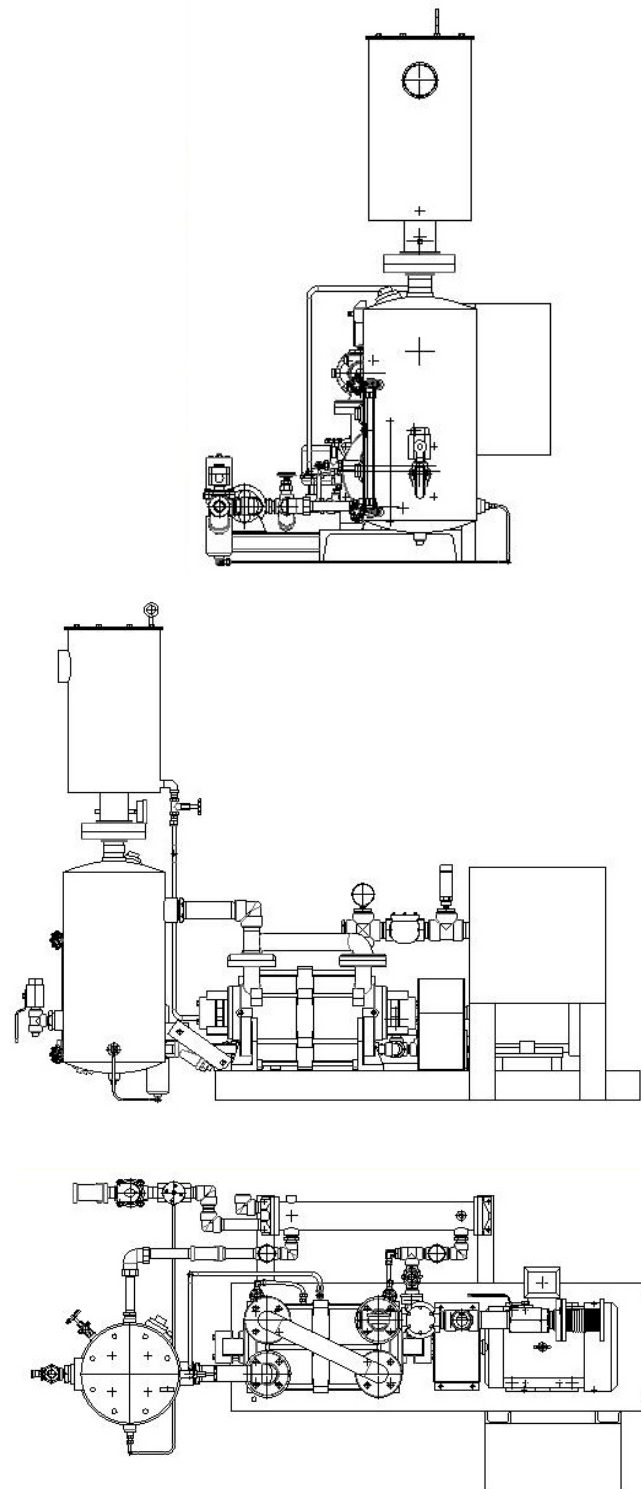
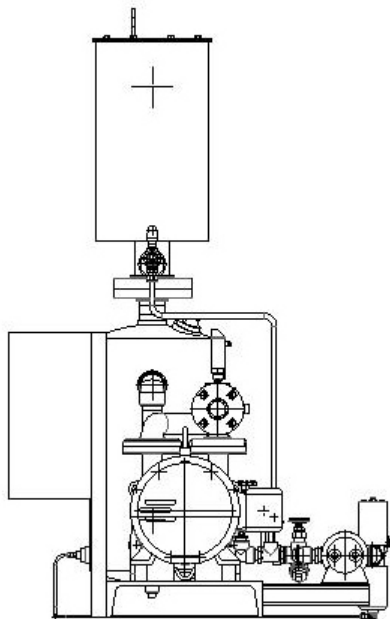
Typical Pumping Capacity in ACFM of Air (50% relative humidity, cooling water inlet temperature 60°F, barometric pressure 14.696 PSIA)

Vacuum Inches Hg:

MODEL	15	20	25	28	29	29.5
OFRP-75	67	68	70	70	60	50
OFRP-100	77	85	100	100	90	75
OFRP-125	103	115	130	130	111	95
OFRP-200	185	200	205	205	180	145
OFRP-300	245	280	300	300	270	220
OFRP-525	460	510	560	560	500	400
OFRP-526	380	420	430	430	380	300

## OFRP Dimensions (Inches)

Model	Length	Width	Height
75	50	32	43
100	73	27	51
125	73	27	51
200	82	34	57
300	82	36	58
525	102	43	75
526	86	60	75



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