

# VACUUM DRYING CHAMBERS

## Series VD | Vacuum drying chambers for non-flammable solvents



Model VD 53

### FEATURES:

- Temperature range: 15 °C above room temperature to 200 °C
- Suitable for non-flammable solvents
- Fast and gentle drying of materials with homogeneous temperature distribution
- Controller with time-segment and real-time programming
- Shatterproof, spring-mounted safety glass panel

Sizes 1, 2, 4 cu.ft.

## Series VDL | Vacuum drying chambers for flammable solvents



Model VDL 115

### FEATURES:

- Temperature range: 15 °C above room temperature to 200 °C
- Suitable for flammable solvents
- ATEX compliance chamber's interior: Ex II -/3G c IIB T3-T1 Gc X
- Unique safety concept
- Fast and gentle drying of materials with homogeneous temperature distribution
- Controller with time-segment and real-time programming
- Shatterproof, spring-mounted safety glass panel

Sizes 1, 2, 4 cu.ft.



### ORDERING YOUR COMPLETE SOLUTION IS EASY

#### 1. Vacuum Oven



VD: for non-flammable materials  
VDL: for flammable solvents

#### 2. Vacuum Pump Housing



Noise reduction  
No additional footprint required for pump  
Power outlet and switch included

#### 3. Pump

No speed reduction even at low pressure  
Long life and oil free operation  
Fluoroplastic construction provides increased chemical resistance

Vacuum Pump Image			
Vacuum Pump	VP1.1 vacuum module with chemical membrane pump	VP2.1 vacuum module with chemical membrane pump	VP3.1 vacuum module with speed controlled chemical membrane pump
Nominal Air Flow	2.0 m3/hr	3.4 m3/hr	4.6 m3/hr
Final Pressure	7 mbar	1.5 mbar	1.5 mbar
Model #	5013-0118	5013-0120	5013-0122

## TECHNICAL DATA

Description	VD 23	VD 53	VD 115	VDL 23	VDL 53	VDL 115
<b>Measures - Outer dimensions</b>						
Width net [in]	20.29	25.02	29.16	20.29	25.02	29.16
Height net [in]	26.2	30.53	35.46	25.81	30.53	35.46
Depth net [in]	19.7	21.67	26.4	19.7	21.67	26.4
<b>Measures - Internal Dimensions</b>						
Width [in]	11.23	15.76	19.94	11.23	15.76	19.94
Height [in]	11.23	15.76	19.94	11.23	15.76	19.94
Depth [in]	11.62	13.4	18.12	11.62	13.4	18.12
<b>Measures</b>						
Interior volume [cu.ft.]	0.8	1.9	4.1	0.8	1.9	4.1
Net weight of the unit (empty) [lbs]	139	209	337	139	209	337
permitted load [lbs]	77	99	143	77	99	143
Load per rack [lbs]	44	44	44	44	44	44
<b>Performance Data Temperature</b>						
Temperature range 15 °C above ambient temperature to [°C]	200	200	200	200	200	200
Temperature variation at 100 °C [± K]	1.5	2	3.5	1.5	2	3.5
Temperature fluctuation [± K]	0.1	0.1	0.1	0.1	0.1	0.1
Heating-up time to 100 °C [min]	65	80	95	65	80	95
<b>Electrical data</b>						
Nominal power (version 120 V) [kW]	0.8	1.2	1.7	—	—	—
Nominal power (version 230 V) [kW] 50/60Hz	—	—	—	0.8	1.2	1.9
<b>Fixtures</b>						
Number of shelves (std./max.)	2/4	2/5	2/6	2/4	2/5	2/6
Cat. No.	9030-0035	9030-0036	9030-0037	9030-0038	9030-0039	9030-0040

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## EXCERPT FROM OPTIONS AND ACCESSORIES



silicone-free door gasket



stainless steel expansion racks



PT-100 specimen temperature



vacuum pump housing

