



OIL SEALED ROTARY VANE VACUUM PUMP



LAB SOCIETY®

ELITE RELIABILITY AND PERFORMANCE

OPTIMIZED FOR OPERATION

GAS BALLAST WITH INERT GAS OPTION

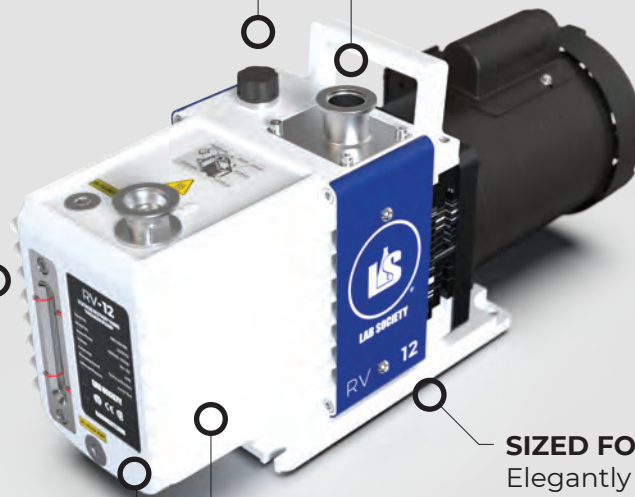
Reduces entrained chemicals in pump oil and protects it from condensable liquids.

ANTI-SUCK BACK VALVE

Prohibits oil from sucking into your application during power loss.

LARGE OIL CAPACITY

Minimizes breakdown and reduces chemical attack.



SIZED FOR YOU

Elegantly designed for various applications and requirements.

cLU AND CE CERTIFIED

Compliant with regulations and safety operations.

FORCED OIL LUBRICATION

Confirms all mechanical parts are oiled for optimal performance.

TECHNICAL DATA

MODEL		LS-RV-12*	LS-RV-18*
Pumping Rate	m ³ /hr (cfm)	50 Hz	9.9 (5.8)
		60 Hz	12 (7.1)
Ultimate Pressure	Torr	Gas Ballast Closed	4 x 10 ⁻³
		Gas Ballast Open	4 x 10 ⁻²
Motor Power	kW (HP)		0.4 (0.5) 0.55 (0.75)
Voltage	V	Three Phase	N/A
		Single Phase	110 ~220 V
Oil Quantity	Liters		0.55 ~ 1.1 0.65 ~ 1.2
Inlet	KF		25
Outlet	KF		25
Ambient Temp.	°F		41° ~ 104°
Weight	lbs. (kg)		56 (25.4) 74 (34)

*Explosion Proof models available

MODEL		LS-RV-36*	LS-RV-50*	LS-RV-70*	LS-RV-110*
Pumping Rate	m ³ /hr (cfm)	50 Hz	30 (17.7)	40 (23.6)	60 (35.3)
		60 Hz	36 (21.2)	48 (28.3)	72 (42.4)
Ultimate Pressure	Torr	Gas Ballast Closed	4 x 10 ⁻³		
		Gas Ballast Open	4 x 10 ⁻²		
Motor Power	kW (HP)		1.1 (1.5)	1.5 (2.0)	2.2 (3.0) 3.7 (5.0)
Voltage	V	Three Phase	220V	230 ~ 460V	
		Single Phase	110V	N/A	
Oil Quantity	Liters		1.2 ~ 2.8	2.5 ~ 4.2	
Inlet	KF		40		
Outlet	KF		40		
Ambient Temp.	°F		41° ~ 104°		
Weight	lbs. (kg)		142 (64)	147 (67)	197 (89) 229 (104)

*Explosion Proof models available

MODEL		LS-RV-200	LS-RV-300
Pumping Rate	m ³ /hr (cfm)	60 Hz	196 (115.4) 306 (180)
Ultimate Pressure	Torr	Gas Ballast Closed	4 x 10 ⁻³
		Gas Ballast Open	4 x 10 ⁻²
Motor Power	kW (HP)		5.6 (7.5) 7.5 (10)
Voltage	V	Three Phase	230 ~ 460V
		Single Phase	N/A
Oil Quantity	Liters	Max.	25 28
		Min.	20 23
Inlet	ISO		63
Outlet	KF		40
Cooling Water Req.	L / hr.	Water Temp. 68°F	176 248
Weight	lbs. (kg)		513 (233) 568 (258)



BOOSTER PUMPS

MODEL		LS-RB-120-3	LS-RB-330-3	LS-RB-600-3	
Pumping Rate	cfm	50 Hz	58	164	294
		60 Hz	70	194	353
Max Inlet Pressure	Torr	50 Hz	9.00	9.00	9.75
		60 Hz	6.95	6.95	8.25
Max Differential Pressure	Torr	50 Hz	30.00	30.00	54.75
		60 Hz	24.75	24.75	45.00
Ultimate Pressure	Torr	3x10 ⁻³			
Motor Power kW	HP	0.4 (0.5)	0.75 (1.0)	2.2 (3)	
Motor Voltage	3-Stage	230/460V			
Motor Amp Rating	230V (460V)	1.6 (0.8)	2.8 (1.4)	7.2 (3.6)	
Oil Quantity	Liters	0.4	0.8	1.6	
Cooling Water	L/min	N/A	2.0	2.0	
	PSI	N/A	14.5	14.5	
	Temp (F°)	41-86			
Inlet		VG50	VG80	VG80	
Outlet		VF50	VF80	VF80	
Ambient Temp	F°	41-104			
Weight lbs (kg)		67 (30)	113 (51)	177 (80)	

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