VALUE® | VACUUM TECHNOLOGY

Approved by Fortune 500 Companies and Global Users

HIGH RELIABILITY

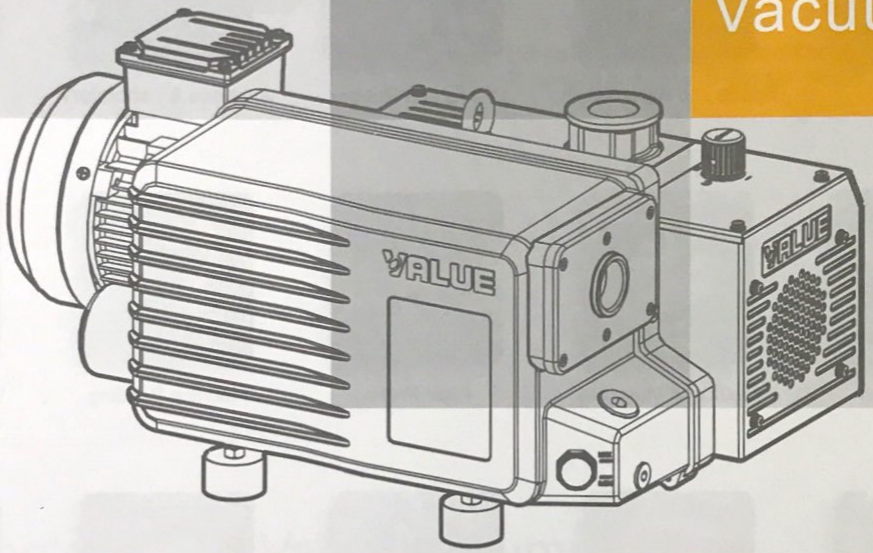
Vacuum Pump

VALUE Creates Value

www.valuevacuum.com

Scanned with CamScanner

VSV single stage Vacuum Pump



Scanned with CamScanner

Integrated anti-suckback valve

Gas ballast helps to evacuate more vapor

German-made oil seal
effectively prevents oil leakage

High quality oil mist filters contribute to
avoid oil exhaust and get a longer service life

VSV Single Stage Vacuum Pump
Full application of vacuum technology

Vacuum technology plays critical role in industrial field. We always follow closely the application of vacuum pump in different industries and know what our customers most concern: good at pumping certain condensable gas, no oil exhaust or oil leakage, no emulsification of pump oil, guarantee of high reliability…

Scanned with CamScanner

VSV-20

High Reliability

● Patented Design

- High efficient oil mist filters contribute to solve the issues of oil exhaust and smoking as well as prolong the service life.
- Sealing parts are made from fluororubber, which improved the performance of anti-corrosion and solved oil leakage issues.
- Horizontal CNC machining of Japanese Mori Seiki guarantees high reliability.
- Unique industrial design generated elegant appearance.
- Integrated design of pump and motor made the product lighter and smaller.

Specifications

Model			VSV-20
Displacement speed		m^3/h	20
Ultimate pressure	Without gas ballast	mbar	/
Ultimate total pressure	With gas ballast I	mbar	≤0.5
	With gas ballast II	mbar	/
Water vapor tolerance	With gas ballast I	mbar	15
	With gas ballast II	mbar	/
Noise level		dB	≤65
Power supply			Single/Three-Ph
Power rating		kW	0.75
Motor speed (50/60Hz)		rpm	2880/3450
Ambient temperature		℃	10 - 40
Oil capacity		L	0.45
Level of protection			IP54
Intake and exhaust			G3/4"
Weight		Kg	19.5
Dimension (L*W*H)		mm	317×249×219

Scanned with CamScanner

VSV-22/28

High Reliability

- High efficient oil mist filters contribute to solve the issues of oil exhaust and smoking as well as prolong the service life.
- Sealing parts are made from fluororubber, which improved the performance of anti-corrosion and solved oil leakage issues.
- Multiple shifts design for gas ballast to meet customers' demand of ultimate vacuum and capability of vapor evacuation.
- Horizontal CNC machining of Japanese Mori Seiki guarantees high reliability.
- Unique industrial design generated elegant appearance.

Specifications

Model			VSV-22
Displacement speed		m^3/h	22
Ultimate pressure	Without gas ballast	mbar	≤0.3
Ultimate total pressure	With gas ballast I	mbar	≤0.5
	With gas ballast II	mbar	≤2.5
Water vapor tolerance	With gas ballast I	mbar	15
	With gas ballast II	mbar	30
Noise level		dB	≤58
Power supply			Single/Three-Ph
Power rating		kW	1.1
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	1
Level of protection			IP54
Intake and exhaust			G3/4″
Weight		Kg	30
Dimension (L*W*H)		mm	496×268×248

Specifications

Model			VSV-28
Displacement speed		m^3/h	28
Ultimate pressure	Without gas ballast	mbar	≤0.3
Ultimate total pressure	With gas ballast I	mbar	≤0.5
	With gas ballast II	mbar	≤2.5
Water vapor tolerance	With gas ballast I	mbar	15
	With gas ballast II	mbar	30
Noise level		dB	≤58
Power supply			Single/Three-Ph
Power rating		kW	1.1
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	1
Level of protection			IP54
Intake and exhaust			G3/4″
Weight		Kg	30
Dimension (L*W*H)		mm	496×268×248

Scanned with CamScanner

VSV-40/65

High Reliability

- High efficient oil mist filters contribute to solve the issues of oil exhaust and smoking as well as prolong the service life.
- Sealing parts are made from fluororubber, which improved the performance of anti-corrosion and solved oil leakage issues.
- Multiple shifts design for gas ballast to meet customers' demand of ultimate vacuum and capability of vapor evacuation.
- Horizontal CNC machining of Japanese Mori Seiki guarantees high reliability.
- Unique industrial design generated elegant appearance.
- Integrated design of pump and motor made the product lighter and smaller.

Specifications

Model			VSV-40
Displacement speed		m^3/h	40
Ultimate pressure	Without gas ballast	mbar	≤0.3
Ultimate total pressure	With gas ballast Ⅰ	mbar	≤0.5
	With gas ballast Ⅱ	mbar	≤2
Water vapor tolerance	With gas ballast Ⅰ	mbar	15
	With gas ballast Ⅱ	mbar	30
Noise level		dB	≤59
Power supply			Three-Phase
Power rating		kW	1.1
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	2.5
Level of protection			IP54
Intake and exhaust			G1 ¼"
Weight		Kg	39.2
Dimension (L*W*H)		mm	555×304×268

Specifications

Model			VSV-65
Displacement speed		m^3/h	65
Ultimate pressure	Without gas ballast	mbar	≤0.3
Ultimate total pressure	With gas ballast Ⅰ	mbar	≤0.5
	With gas ballast Ⅱ	mbar	≤2
Water vapor tolerance	With gas ballast Ⅰ	mbar	15
	With gas ballast Ⅱ	mbar	30
Noise level		dB	≤61
Power supply			Three-Phase
Power rating		kW	1.5
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	2.5
Level of protection			IP54
Intake and exhaust			G1 ¼"
Weight		Kg	42.5
Dimension (L*W*H)		mm	555×311×268

Scanned with CamScanner

VSV-100

High Reliability

● Patented Design

- High efficient oil mist filters contribute to solve the issues of oil exhaust and smoking as well as prolong the service life.
- Sealing parts are made from fluororubber, which improved the performance of anti-corrosion and solved oil leakage issues.
- Multiple shifts design for gas ballast to meet customers' demand of ultimate vacuum and capability of vapor evacuation.
- Horizontal CNC machining of Japanese Mori Seiki guarantees high reliability.
- Unique industrial design generated elegant appearance.

Specifications

Model			VSV-100
Displacement speed		m^3/h	100
Ultimate pressure	Without gas ballast	mbar	≤0.3
Ultimate total pressure	With gas ballast Ⅰ	mbar	≤0.5
	With gas ballast Ⅱ	mbar	≤3
Water vapor tolerance	With gas ballast Ⅰ	mbar	15
	With gas ballast Ⅱ	mbar	30
Noise level		dB	≤62
Power supply			Three-Phase
Power rating		kW	2.2
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	2.5
Level of protection			IP54
Intake and exhaust			G1 ¼"
Weight		Kg	72
Dimension (L*W*H)		mm	703×406×286

Scanned with CamScanner

VSV-160/200

High Reliability

- High efficient oil mist filters contribute to solve the issues of oil exhaust and smoking as well as prolong the service life.
- Sealing parts are made from fluororubber, which improved the performance of anti-corrosion and solved oil leakage issues.
- Multiple shifts design for gas ballast to meet customers' demand of ultimate vacuum and capability of vapor evacuation.
- Horizontal CNC machining of Japanese Mori Seiki guarantees high reliability.
- Unique industrial design generated elegant appearance.

Specifications

Model			VSV-160
Displacement speed		m^3/h	160
Ultimate pressure	Without gas ballast	mbar	$\leq 8\times10^{-2}$
Ultimate total pressure	With gas ballast I	mbar	≤0.5
	With gas ballast II	mbar	≤1.5
Water vapor tolerance	With gas ballast I	mbar	30
	With gas ballast II	mbar	50
Noise level		dB	≤70
Power supply			Three-Phase
Power rating		kW	4
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	5~7
Level of protection			IP54
Intake and exhaust			G2″
Weight		Kg	132
Dimension (L*W*H)		mm	930×533×436

Specifications

Model			VSV-200
Displacement speed		m^3/h	200
Ultimate pressure	Without gas ballast	mbar	$\leq 8\times10^{-2}$
Ultimate total pressure	With gas ballast I	mbar	≤0.5
	With gas ballast II	mbar	≤1.5
Water vapor tolerance	With gas ballast I	mbar	30
	With gas ballast II	mbar	50
Noise level		dB	≤70
Power supply			Three-Phase
Power rating		kW	4
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	5~7
Level of protection			IP54
Intake and exhaust			G2″
Weight		Kg	132
Dimension (L*W*H)		mm	930×533×436

Scanned with CamScanner

VSV-300

High Reliability

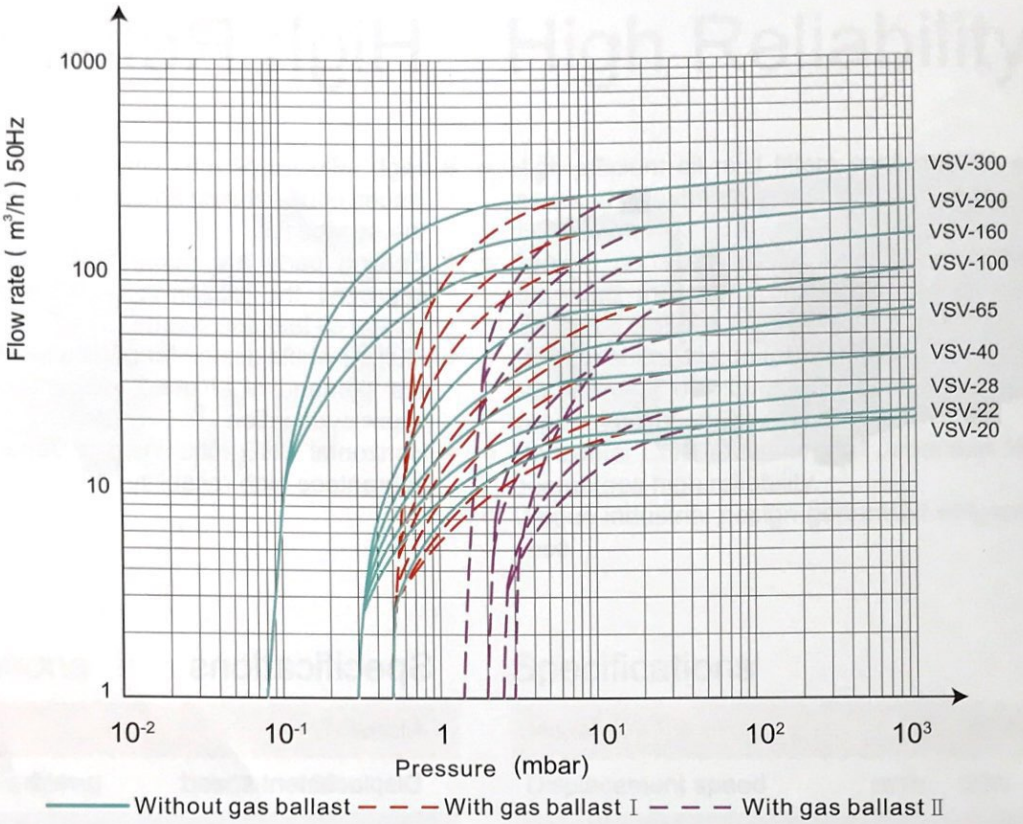
- High efficient oil mist filters contribute to solve the issues of oil exhaust and smoking as well as prolong the service life.
- Sealing parts are made from fluororubber, which improved the performance of anti-corrosion and solved oil leakage issues.
- Multiple shifts design for gas ballast to meet customers' demand of ultimate vacuum and capability of vapor evacuation.
- Horizontal CNC machining of Japanese Mori Seiki guarantees high reliability.

Specifications

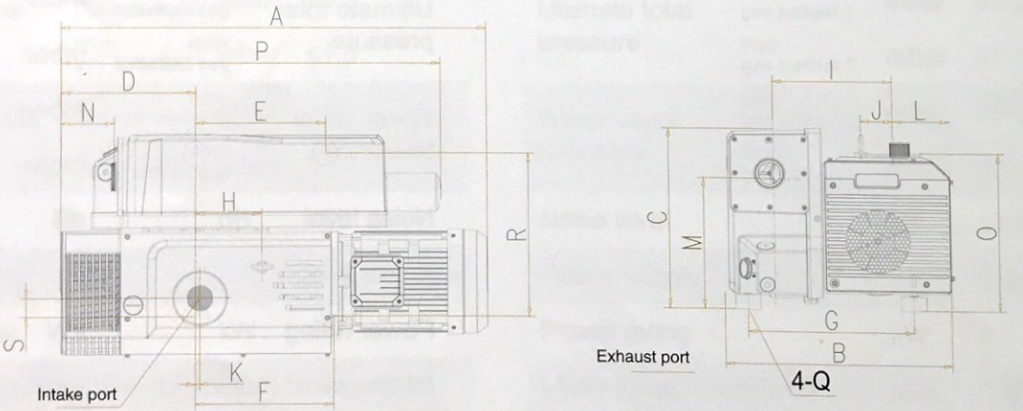
Model			VSV-300
Displacement speed		m^3/h	300
Ultimate pressure	Without gas ballast	mbar	$\leq 8\times10^{-2}$
Ultimate total pressure	With gas ballast I	mbar	≤0.5
	With gas ballast II	mbar	≤1.5
Water vapor tolerance	With gas ballast I	mbar	30
	With gas ballast II	mbar	50
Noise level		dB	≤71
Power supply			Three-Phase
Power rating		kW	5.5
Motor speed (50/60Hz)		rpm	1440/1720
Ambient temperature		℃	10 - 40
Oil capacity		L	7~9
Level of protection			IP54
Intake and exhaust			G2″
Weight		Kg	190
Dimension (L*W*H)		mm	1035×540×434

Scanned with CamScanner

Flow Rate Characteristic



Dimension



VSV Dimensions

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	Intake port	Exhaust port
VSV-20	317	249	219	72	140	110.5	131	/	127.5	/	14	72	157	17	184	303	M8	125.8	5.3	G1/2" G3/4"	/
VSV-22/28	496	268	248	112	220	300	190	108	146	25	20	80	182	27	204	392	M8	194	35	G3/4"	G3/4"
VSV-40	555	304	268	149	215	200	235	58	179	51	5	72	203	33	252	464	M8	235	33	G1" 1/4	G1" 1/4
VSV-65	555	311	268	149	215	200	254	58	189	51	5	72	203	33	252	464	M8	242	33	G1" 1/4	G1" 1/4
VSV-100	703	406	286	165	225	225	320	131	226	42	27	91	220	61	280	578	M10	258	41	G1" 1/4	G1" 1/4
VSV-160/200	930	533	436	263	252	305	394	113	298	66	32	135	305	134	382	930	M10	394	45	G2"	G2"
VSV-300	1035	540	434	326	313	332	394	159	284	75	11	135	314	132	377	966	M10	394	45	G2"	G2"

Scanned with CamScanner