D150-T2-V30 Oil-Less Rotary Vane Vacuum System

System is NFPA compliant and has modular construction and interconnecting piping.

PUMP MODULE
Oil-less rotary vane vacuum pump. Each pump module is equipped with an inlet filter, check valve, and pump isolation valve.

SYSTEM CONTROLS
The UL listed electrical control panel features a high-definition color touch screen that can be set up externally without the use of toggle switches. The panel displays multiple conditions, including pump running status, elapsed hours, vacuum level, and audio/visual alarms.

Standard features include lag alarm, automatic pump alternation, adjustable minimum run timer, adjustable vacuum settings, adjustable screen brightness, alarm history registry, and data logging. The panel has standard dry contacts and Modbus interface with building management systems. Ethernet and BACnet are available as options. The panel's maintenance menu includes service items and maintenance warnings, and it is programmed for both English and Spanish languages.

VACUUM RECEIVER
Constructed to ASME standards and rated for full vacuum. Equipped with valved bypass, high visibility vacuum gauge, source isolation valve, and a manual drain valve. Mounting pads and flex connectors supplied for field installation.

KEY OPTIONS
Variable Speed Drive Electrical Panel
Configurable for Lab or Industrial Applications
Gas Purge System for Lab use

Configuration	Duplex Tank Mount
System Capacity*	5.5 SCFM @ 19" Hg. 60 Hz. 4.6 SCFM @ 19" Hg. 50 Hz.
Horsepower (Each Pump)	1.5 HP
Horsepower (Total System)	3 HP
Available Voltage	208/230/460V 3 PH 60 Hz. 380V 3 PH 50 Hz. Contact Factory for other voltages
Full Load Amps 3 ph.	208 Volts: 14.4 230 Volts: 13.1 380 Volts: 7 460 volts: 6.6
Tank Size	30 gallon vertical
Bacterial Filter Bank (option)	BOM-MED FB-1

Click here for pump specifications and industry-leading parts support

*System capacity is stated with one pump in reserve per NFPA. Capacity based on operation at sea level. For higher altitude, contact factory for adjusted capacity.

SYSTEM MODEL NO.	PART NO.	HP EACH	SCFM/ACFM @ 19" Hg EACH	SCFM/ACFM @ 25" Hg EACH	DESIGN CAPACITY [@19" Hg EACH]	RECEIVER SIZE (GALLONS)	PUMP INLET NPT	ESTIMATED SYSTEM WEIGHT [LB]
D150B-T2V	D150-460-T2-V30	1.5	5.32 / 14.32	1.8 / 4.91	5.32	30	3/4"	380

SPACE ALLOWANCE FOR MAINTENANCE = 3 FT ON ALL SIDES, MORE SPACE IS REQUIRED FOR THE OPENING OF LARGER PANEL DOORS.

TABLE 1

SYSTEM LISTED ARE 460V. IF ANOTHER VOLTAGE IS REQUIRED, USE THE FOLLOWING PART NUMBERS.

VOLTAGE	SYSTEM P/N	PUMP MODULE P/N	TRIP MODULE P/N
208-60-3	D150-208-T2-V30	100-0065	214537
230-60-3	D150-230-T2-V30	100-0065	214537
380-50-3	D150-380-T2-V30	100-0065	214536

42" APPROX.

29" APPROX.

VACUUM PUMP MODULE

1" NPT SYSTEM CONNECTION

1" NPT EXHAUST CONNECTION

VACUUM INLET FILTER

ELECTRICAL CONTROL PANEL

63" APPROX.

VACUUM AIR RECEIVER

4X 9/16" X 1" SLOTS ON A 18-3/4" DIA. BOLT CIRCLE

01	N/A	INITIAL RELEASE	03/19/19	F.L.

DRAWN BY: F. LOPEZ 03/19/19

MATERIAL: N/A

DRY ROTARY VANE VACUUM PUMP SYSTEM, (D15) 1.5 HP DUPLEX TANK MOUNTED CONNECTIONS

B | D150-460-T2-V30-S | 01

D150-460-T2-V30-S.SLDDRW | SCALE 1:1 | SHEET 1 OF 1

28"

13 1/2"   1 1/4"   4X Ø 9/16"

3/4"

27" APPROX.   22 1/2"

3"

1" NPT VACUUM OUTLET CONNECTION

1" NPT VACUUM INLET CONNECTION

39" APPROX.

24"

16"

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	REV NOTE
1	2	202907		
2	4	042003	1" SOURCE ISOLATION VALVE	
3	12	A-12103-6	1" NPT CLOSE NIPPLE	
4	2	A-12108-6	1" Threaded Tee	
5	4	A-12109-6	1" NPT - ELBOW	
6	4	A-12137-6	UNION, 1"	
7	4	A-14357-3	1" NPT SCH 40 GALVANIZED PIPE (8" LONG)	
8	1	BASE-MED-FB-1	WELDED BASE, MEDICAL FILTER BANK, 3" PIPE	

MEDICAL VACUUM FILTER BANK, 1" NPT CONNECTIONS

B | BOM-MED-FB-1