

COMPONENTS DETAIL SHEET BASED ON "VARIAN PRODUCT CATALOGUE 2018"

Sr. No.	Description of Item	Technical Specifications	Qty.
A)	Dual Stage Rotary Vane Type Vacuum Pump with all standard accessories Model: DS-402 Make: Agilent Vacuum Technologies (Part #: 9499330)	- Pumping Speed (Flow Rate) : 14.5CFM - Ultimate Total Pressure: 2×10^{-3} mbar - Ultimate Total Pressure with Gas Ballast: 1×10^{-2} mbar - Inlet and Exhaust Flange: 25KF DN - Sound Pressure Level ≤ 60 dB - Pump Type/Cat. No.: Ex d IIB T5, IP 65 - Vacuum Pump Motor: 1-ph AC, 220V ± 10, 50 Hz	02 Nos.
B)	Vacuum Gauge controller, Transducer and Vacuum Calibrator Part No.: PCG752KF25SD1 Accessories: PCG752KF25RS	- PCG 752 Pirani/CDG Combination Gauge (Nickel) with Setpoints and Display; KF25 (mbar) - Auto-switching control (Start/ Stop) of Vacuum Pump over entire Vacuum Range. - Set Points Adjustment Control over entire Vacuum Range - Two or more Inputs and Outputs Connections	04 Nos.
C)	Vacuum Pump Fittings and Spares		
Sr. No.	Description	Part Number	Qty.
01.	Major Maintenance Kit Includes all the items of the minor kit plus the vanes	9499382	02 set
02.	Rotary Vane Fluid, DS19 type, 1 gallon (USA)	K7516302	02 Nos.
03.	Oil Mist Eliminator	9499395	02 Nos.
04.	Oil Mist Replacement Cartridge (pkg. of 2)	9499394	05 Pkgs.
05.	Oil Exhaust Filter (NW 25)	9499392	02 Nos.
06.	Oil Exhaust Replacement Cartridge (NW 25)	9499342	06 Nos.
07.	Oil Return Kit	9499376	02 Nos.
08.	Oil Drain Extension	9499375	02 Nos.
09.	SS Centering Ring Viton (NW25)	KC25SV	30 Nos.
10.	Quick Clamp with Wing-Nut Closure (NW25)	KC25AWP	40 Nos.
11.	SS Centering Ring with Screen Viton (NW25)	KC25SV72M	30 Nos.
12.	Replacement O-Rings, Viton (NW25)	KG25V	60 Nos.
13.	SS Unbored Stub (NW25)	KS25000SUB	02 Nos.
14.	SS Long Weld Stub (NW25)	KS250110197	02 Nos.
15.	SS Nipple (NW25)	KNF01001260	02 Nos.
16.	SS Elbow 90° (NW25)	KE01000204	03 Nos.
17.	SS Tee (NW25)	KT01000204	03 Nos.
18.	SS 4-Way Cross (NW25)	KC01000204	03 Nos.
19.	Flexible Couplings Non-Braided (NW25)	KL01000984	04 Nos.
20.		KL01002400	04 Nos.

Sr. No.	Description	Part Number	Qty.
21.	Flexible Couplings Braided (NW25)	KLBC1002000	04 Nos.
22.		KLBC1004800	04 Nos.
23.	Dust Filter, DFT 25		02 Nos.
24.	Dust Filter Replacement Cartridge. Package of 5		02 Pkgs.
25.	Trap, Liquid Nitrogen, LNT 25S		02 Nos.
26.	Trap, Condensate, CT 25 FOR 10 3739		02 Nos.
Note: The fittings and spares data is taken from Latest catalogue of Agilent Vacuum Technologies from Pg # 30-31, Pg # 354-355 & Pg # 441-472.			

Note:

- * All Standard accessories must be provided with Vacuum Pump and Gauge Transducer in the supply.
- * Pump should have integrated air filter, Overvoltage Relay, Anti-Suckback Valve & Vent Device, Gas Ballast Valve, Solenoid Valve and Adjustable Pressure Regulator Switch (for entire vacuum range).
- * Dual Stage Smart Rotary Vane Type Vacuum Pump equip with built-in Vacuum Controller and LED Display, Automatic Switching (Over entire vacuum range) and Set points adjustments may also be acceptable.

D) MANUALS AND DOCUMENTS

- * All manuals and documents must be in English Language.
- * Products Parts, Assembly Drawings and Technical Details, Operating Manuals and Maintenance Manuals (Hard & Soft Form) should be provided at the time of supply.
- * Mechanical, Electrical/ Electronics Repair & Maintenance Manuals (Hard & Soft form) should be provided at the time of supply.
- * Detail of complete spare parts and fittings list including bought out items if any with full specification like make, size, description/ source of supply, quantity required etc. should be given in the manuals.

E) WARRANTY

- * Three Years Warranty of Vacuum Pump and Gauge.

F) MAKE

- * Agilent USA, Japan or Europe Make only.
- * Country of Origin of machine should be clearly mentioned.

G) PACKING

- * Packing as per International Standards.