

TURBO PUMPING SYSTEM

Sr#	Description	Qty
1	Agilent (or equivalent Non-Chinese Brands) Turbo Pumping System-Mobile including controller and automatic vent valve (Part No. G8701A) Includes following components:	2
i.	TwissTorr 304 FS Turbo Pump (Part No. X3500-64005) - Inlet Flange: CFF 6 inch O.D. - Pumping speed with CFF 6" Inlet Flange: N₂: 250 l/s , H₂: 220 l/s - Base pressure: < 1 x10⁻¹⁰ mbar (< 1x10⁻¹⁰ Torr) - Foreline Flange: KF16 NW - Rotational speed ≥ 60,000 RPM - Lubricant: Permanent Lubrication - TwisTorr 304 FS AG Rack controller with RS 232/485 (Part No. X3506-64002) - Mains cable European plug, 3 m long, Part No. 9699957 - Vent valve N.O. for rack AG controller (0.5 mm), Part No. 9699844 - Cooling requirements: Forced air (5- 35 °C ambient temperature) - Air cooling kit for rack AG controller, Part No. X3500-68011 - Fan extension cable for rack AG controller, Part No. 9699940 - Inlet Screen CFF 6". Part No. 9699302	2
ii.	DS 402 Fore Pump with 1-ph motor (Part No. 9499330) - Pumping speed at 50 Hz: 17.4 m³/h - Ultimate Partial Pressure: 10⁻⁴ mbar - Ultimate Total Pressure with Gas Ballast: 1 x 10⁻² mbar - Water Vapor Tolerance: 30 mbar - Water Vapor Capacity: 350 g/h - Oil Capacity (min/max): 0.5/1 l - Motor Rating (1ph, 50 Hz): 0.75 kW - Nominal rotation Speed (50 Hz): ~1500 rpm or better - Inlet and Exhaust Flange: DN 25 KF - European plug power cable 2 meters 1 phase, Part No.9499396	2
iii.	Maintenance Kit for DS 402 Fore Pump, Part No.9499371	3
iv.	Rotary Vane Fluid, DS 19 Type, 1 liter, Part No.9499390	3
v.	Oil Return Kit, Part No.9499376	3
vi.	Dual Stage Rotary Vane Pump DS 602 with 1-phase worldwide motor, Part No. 9499335 - Pumping speed at 50 Hz: 25 m³/h - Ultimate Partial Pressure: 10⁻⁴ mbar - Ultimate Total Pressure with Gas Ballast: 1 x 10⁻² mbar - Water Vapor Tolerance: 30 mbar - Water Vapor Capacity: 550 g/h - Oil Capacity (min/max): 0.5/1 l - Motor Rating (1ph, 50 Hz): 0.75 kW - Inlet and Exhaust flange: DN 25 KF - European plug power cable 2 meters, 1phase, Part No. 9499396	1

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vii	DIY FRG-700 Full Range Gauge Kit (atmosphere to 3.8×10^{-9} Torr), CFF 6" Part No. 9499201	2
a	Gauge Display for FRG-700 (with EU power cord) Part No. AGD100	2
b	Gauge Cable for FRG-700 and ADG-100 (5m length) Part No. AGCCBL105	2
c	EU Power Cord, 10 A/220-230 VAC, 2.5 meter Part No. 656494220	2