

شرح فنی دستگاه ICP مدل Agilent 5900 SVDV ICP-OES :

الف) مشخصات فنی دستگاه:

No.	Designation
1	Vertical Dual View (SVDV) ICP-OES is an industry first in ICPOES (also referred to as ICP-AES) analysis. With unique Dichroic Spectral Combiner (DSC) technology, axial and radial views of the plasma can be captured in a single measurement. Combined with a vertical torch and high speed, zero gas consumption VistaChip II CCD detector, the 5900 ICP-OES (also referred to as ICPAES) runs even your toughest samples up to 55% faster using 50% less argon. In addition to the uncompromised performance of the 5900, next generation. ICP Expert software included. ➤ Inert sample Intro Kit: Inert double pass spray chamber, one neb inert concentric nebulizer, Easy-fit torch, mounting bracket and PEF transfer tube. ➤ Tube Pump Manifold PVC Gray W ➤ Tube Pump Manifold Blue Gray W ➤ Argon & Moisture Trap. ➤ H150-1500 Water Chiller ➤ Calibration Blank ICP-OES & Calibration solution 5% HNO₃ / 0.2% HF 500ML, Bottle ICPOES 500mL 5ppm and 500ppm ICP-OES; 500mL, contains 5mg/L ➤ SPS 4 Auto sampler for ICP-OES Supplied with 0.8 mm ID PTFE sleeved probe, 2 standard racks (for use with 11x16 mm OD tubes or 6x29 mm OD tubes), 16 mm ODx125 mm height polypropylene tubes (2 bags of 125), 3 x Bel-Art racks. ➤ Kit Sample intro.Cyclone + Seaspray AX Includes single-pass, glass cyclonic sparychamber, seaspray nebulizer, sparychamber mounting bracket and FEP transfer tube.

(ب) قطعات اسپیر دستگاه:

N°	Description
1	Operating supplies kit for 5000 Series DV ICP-OES
2	Argon gas inlet filter Requires annual replacement (customer-replaceable unit)
3	Replacement air filter element for 5800/5900 ICP OES
4	Pre-optics cone for the axial view pre-optic window
5	SPS 4 probe 0.8 mm id, green marker, inert, FEP sleeved, 1/pk (standard probe for ICP-OES)
6	Peristaltic pump tubing, PVC Solvaflex, 3 bridged, gray/gray tabs tabs, 12 tubes/pk (standard tubing for the rinse pump, for use with aqueous or low volatile organic solvents)
7	OneNeb Series 2 inert concentric nebulizer; suitable for most sample types including organic solvents, HF acid digests, and high TDS samples
8	Sample inlet fitting for OneNeb Series 2 nebulizer; includes capillary connector with captive sample capillary tubing 0.5 mm id, 1/16 inch od, 750 mm long
9	PFA tubing, nebulizer gas supply, per m
10	Spray chamber, double pass glass cyclonic, standard for 5000 series
11	Inert spray chamber for HF digests with removable baffle
12	Tubing, waste line from peristaltic pump tube, per m
13	Tubing, waste line from spill tray, per m
14	Nebulizer capillary tubing, per m 0
15	Peristaltic pump tubing, PVC, white/white, 12/pk
16	Peristaltic pump tubing, PVC, blue/blue, 12/pk
17	Easy-fit torch, semi demountable, high solids, with 2.4 mm id injector, an extended outer tube with slot, and replaceable inner/outer tube-set
18	Replacement 2.4 mm id tapered quartz injector inner/outer tube-set
19	Easy-fit torch, inert, semi demountable for HF digests, with 1.8 mm id ceramic injector, an extended outer tube with slot, and replaceable inner/outer tube-set
20	Replacement 2.4 mm id tapered quartz injector