6 VIYON MIDDLE EAST L.L.C · SECTOR BROCHURE 6 OF 7

Advanced Aerospace, Automotive & Composite Materials Shops

B2B validation and high-consolidation material curing infrastructure.

Part of **Industrial Application & Technical Workflow Solutions**, the strategic portfolio of Viyon Middle East L.L.C., built on the high-tier analytical and industrial brands we supply across the United Arab Emirates.

280 L	4	5	545 × 1200 mm
composite autoclave chamber	monitored vacuum ports	programmable memory sets	chamber Ø × depth

BRANDS IN THIS BROCHURE

The Rodwell Autoclave Company

Excelsior Scientific

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PART A

High-Consolidation Infrastructure Machinery

Products

- **Composites Equipment:** DWELL 280 Pro composite autoclaves and stabilized vacuum arrays with built-in electronic leak alarms.
- **High-Consolidation Chamber:** Externally lagged grade 316 stainless steel chamber with iPT touchscreen control for programmable temperature, pressure, and dwell profiles across 5 memory sets.
- **Vacuum Leak Alarms:** Continuous vacuum through up to 4 independent ports, each monitored by built-in leak alarms. Optional built-in Hydrovane air compressor.

MANUFACTURER / SUPPLIER

The Rodwell Autoclave Company (UK)

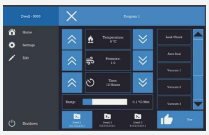
TECHNICAL DATA

DWELL 280 Pro specifications

MODEL NAME	DWELL 280 (STANDARD FRAME)	DWELL 280 (WITH HYDROVANE COMPRESSOR OPTION)
Chamber Dimensions	545 mm Diameter x 1200 mm Depth	545 mm Diameter x 1200 mm Depth
Chamber Volume	280 Litres	280 Litres
Autoclave Weight	450 kg	520 kg
Packed Export Weight	600 kg	670 kg
Overall Dimensions (mm)	830w x 1800h x 1500d	830w x 1800h x 1500d



DWELL 280 Pro composite autoclave



iPT touchscreen process controller

PART B

Thermal, Climatic & Freeze Testing

Ovens, climatic chambers, and freezers for curing, ageing, thermal resistance, life and exposure, and freeze resistance testing of components and materials.

MANUFACTURER / SUPPLIER

Excelsior Scientific Ltd (UK) · thermostatic laboratory equipment

THERMOSTATIC EQUIPMENT

SL Drying Ovens

Drying ovens reaching from 5°C above ambient up to +300°C, with natural (SLN) or forced (SLW) air convection, acid-proof DIN 1.4301 stainless steel interiors, and 0.1°C resolution.

- **Applications:** thermal resistance analysis of building materials and electronic components, ageing and curing, drying of laboratory glass, vulcanization studies, conditioning, digestion of proteins, drying of plant tissues, drug metabolism, life and exposure studies, serum protein analysis, and suspended solids evaluation.
- **Protection:** over-temperature class 2.0 to DIN 12880, with class 3.1 as an option and standard in TOP+.



SL drying oven

MODEL	SL 15	SL 32	SL 53	SL 115	SL 180	SL 240	SL 400	SL 750	SL 1000
Chamber capacity (L)	15	32	56	112	180	245	424	749	1005
Overall W x H x D (mm)	510 × 550 x 440	590 × 630 x 500	590 × 700 x 600	650 × 850 x 700	650 × 1030 x 760	810 × 1200 x 760	1010 x 1430 × 750	1260 x 1600 × 850	1260 x 2000 × 850
Nominal power (W)	600	1100	1600	2400	2400	3000	3900	5400	5400
Weight (kg)	27	35	50	65	94	126	174	260	330

THERMOSTATIC EQUIPMENT

SLWP Pass-Through Ovens

Forced-convection ovens with doors on both sides, up to +300°C, holding ±0.5°C at 105°C.

- **Use:** moving dried or heat-treated material between rooms, such as from a preparation area into a clean area, without opening a shared door.

MODEL	SLWP 115	SLWP 240	SLWP 1000
Chamber capacity (L)	112	245	997
Overall W x H x D (mm)	655 × 885 × 700	815 × 1180 × 815	1106 × 1716 × 965
Nominal power (W)	2400	3000	5600
Weight (kg)	65	126	350

THERMOSTATIC EQUIPMENT

KK Climatic Chambers & Phytotron (FIT)

Chambers that hold temperature from -10°C to +60°C and humidity from 30% to 90% RH, with optional day/night lighting (FIT phytotron system) up to 15,000 lux per shelf. TOP+ control with a 5.7" colour touch screen and Ethernet remote control.

- **Applications:** photostability tests, drug metabolism, life and exposure studies, tests of building materials, food preservation experiments, plant and fungus growing, seed germination, microorganism and insect breeding.
- **Standard equipment:** double door (solid outside, glass inside), USB and RS 232, stainless steel shelves, deionised water and waste water containers, open door alarm, 30 mm access port, and a test certificate at 25°C and 60% RH.
- **Protection:** over-temperature class 3.3 to DIN 12880.



KK climatic chamber



KK climatic chamber with phytotron lighting

MODEL	KK 115	KK 240	KK 350	KK 400	KK 500	KK 700	KK 750	KK 1200	KK 1450
Chamber capacity (L)	112	245	335	424	493	625	749	1365	1467
Working capacity (L)	112	245	335	424	386	450	749	1229	1307
Temperature (°C)	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60
Humidity (% RH)	30–90	30–90	30–90	30–90	30–90	30–90	30–90	30–90	30–90
Nominal power (W)	1000	1500	1400	2000	1600	1600	2500	2200	2200
Weight (kg)	90	140	125	185	130	170	275	220	230

THERMOSTATIC EQUIPMENT

ZLN Laboratory Freezers

Freezers from -25°C to 0°C (ZLN 85) and -40°C to 0°C (ZLN-T and ZLW). ZLW models use forced-air "no frost" operation, so they never need manual defrosting.

- **Applications:** long-term storage of samples and biological material, storing easily decomposing material, pre-freezing, and freeze resistance tests of building materials such as concrete and wood.



ZLN laboratory freezer

MODEL	ZLN 85	ZLN-T 125	ZLN-T 200	ZLN-T 300	ZLW 200	ZLW 300
Air convection	Natural	Natural	Natural	Natural	Forced	Forced
Chamber capacity (L)	95	130	210	310	210	310
Temperature (°C)	-25 to 0	-40 to 0	-40 to 0	-40 to 0	-40 to 0	-40 to 0
Nominal power (W)	200	450	470	470	500	500
Weight (kg)	60	90	120	185	120	185

THERMOSTATIC EQUIPMENT

Controllers, Software & Qualification

Every Excelsior thermostatic unit uses a PID microprocessor controller. All products can be supplied with a calibration certificate from an accredited measurement laboratory and with IQ, OQ, and PQ qualification.

- **STD controller:** LCD graphic display, six-segment profiles, 3 user programs, alarms, power failure recovery, and memory for 2,046 data records.
- **TOP+ controller:** 5.7" colour touch screen, up to 100 program segments, 20 user programs, user accounts with login, password-protected settings, 4,100 records per user, USB export, and remote control over Ethernet or the internet.
- **EasyLab software:** EasyLab Basic downloads stored data to a PC free of charge; EasyLab Professional adds continuous logging, charts, reports, and TOP+ programming.



STD microprocessor controller



TOP+ colour touch screen



EasyLab software screen

BRANDS

Brands We Supply

We source and supply genuine equipment, consumables, and replacement parts from leading global scientific and industrial manufacturers across the UAE.

Viyon Middle East L.L.C brings these manufacturers to laboratories and production sites across the United Arab Emirates, with local supply, installation support and compliance coordination.

Our core brands

BRAND	PRODUCT RANGE
The Rodwell Autoclave Company United Kingdom	Laboratory, production and composite steam autoclaves, built in 316 stainless steel, with cooling, drain and control modules.
Excelsior Scientific United Kingdom	Sterilization monitoring (biological and chemical indicators, Bowie-Dick packs), centrifuges, and thermostatic equipment: ovens, incubators, climatic chambers, refrigerators and freezers.
Jet Biofil China	Cell culture plastics, cell factories, bioprocess bags, sterile filtration and IVF consumables.
Trajan Scientific and Medical (SGE) Australia	SGE GC columns, inlet liners, septa, microfluidic fittings and analytical syringes, including L-MARK LC syringes.
SCP SCIENCE Canada	NIST-traceable ICP and AA standards, PlasmaPURE high-purity acids, and EnviroMAT and AgroMAT reference materials.
CONOSTAN Part of SCP SCIENCE	Metallo-organic oil standards, fuel, sulfur and chlorine standards, and lubricant condition monitoring controls.
AnalytiChem (Chem-Lab) Belgium	Pico-Pure and Pico-Pure Plus ultra-pure acids for ICP-MS trace analysis.
Leybold Germany	Rough, dry and high vacuum pumps, leak detectors and residual gas analyzers for industry and research.

Also sourced on request

Need columns, consumables or reagents from other laboratory brands? Send us your list and we will source the items through our supply channels, with one quotation, one invoice and delivery across the UAE.

- **Quick quotations:** Send part numbers or descriptions, as a list or a spreadsheet.
- **One order, many brands:** Combine items from different brands in a single purchase order.
- **UAE delivery:** Delivered to your laboratory anywhere in the Emirates.

PRODUCT GROUP	BRANDS
Chromatography columns & consumables HPLC, UHPLC and GC columns, guard cartridges, vials and fittings	Agilent · Waters · Thermo Fisher Scientific · Phenomenex · Restek · GL Sciences · HALO · Shodex · Kromasil · Tosoh
Laboratory consumables & glassware Filtration, plasticware, pipette tips, glassware and general lab supplies	Merck / Sigma-Aldrich · Fisher Scientific · Corning · DWK Life Sciences · Eppendorf · Pall · Cytiva · BD Biosciences
Biological reagents & culture media Antibodies, cell culture media, microbiology media and assay reagents	Invitrogen · Gibco · Oxoid · abcam · Bio-Rad · BioLegend · InvivoGen · Chromogenix · Charles River
Reference standards & analytical reagents Certified standards, Karl Fischer reagents and water testing reagents	LGC · CPAChem · HYDRANAL · HACH
Instrument accessories & spares Accessories, spare parts and consumables for laboratory instruments	Shimadzu · Sartorius · Lighthouse

To order: email your list to scientific@viyonmiddleeast.com or send it on WhatsApp to +971 56 671 6788.

Brands sourced on request. Not affiliated with or endorsed by the manufacturers. Brand names are trademarks of their respective owners and are used only to identify the products. Availability, pack sizes and lead times are confirmed on each quotation.

AFTER-SALES

Service & Support

Viyon Scientific supports the instruments and equipment we supply across the UAE, from installation and calibration to preventive maintenance, repairs and genuine spare parts.

What we offer

- **Installation & commissioning:** Site checks, installation and start-up of new instruments and equipment, with a handover to your operators so everything is ready for routine use.
- **Calibration & validation:** Calibration and performance checks to keep results accurate and traceable, with validation and IQ, OQ and PQ documentation support for regulated laboratories.
- **Preventive maintenance:** Scheduled servicing, cleaning, inspection and replacement of wear parts to keep instruments reliable and reduce unplanned downtime.
- **Technical support & repairs:** Fault diagnosis, troubleshooting and repair when an instrument stops, alarms or drifts. Send us the model, serial number and the problem and we will advise on the next step.
- **Genuine spare parts & kits:** Original spare parts, consumables and maintenance kits sourced for your instruments, so repairs and servicing use the right parts.
- **Service contracts:** Planned maintenance contracts with scheduled visits and one point of contact for your laboratory. Ask us for a proposal for your instrument list.



Installation & commissioning


Calibration & validation


Preventive maintenance


Technical support & repairs



Genuine spare parts & kits



Service contracts

Instruments we support

INSTRUMENT TYPE	TYPICAL SERVICE WORK
Analytical instruments	Chromatography, spectroscopy and other analytical systems: preventive maintenance, calibration, performance checks and repairs
Sterilizers & autoclaves	Installation, safety checks, door seal and gauge checks, validation and calibration
Centrifuges	Installation, servicing, rotor and safety checks
Ovens, incubators & cold storage	Temperature calibration, IQ, OQ and PQ documentation, preventive maintenance
Balances, meters & general lab instruments	Calibration, adjustment, servicing and repairs
Vacuum pumps & systems	Installation, servicing, oil and seal changes, spare parts and service kits

Quality and how to book a visit

- **Documented work:** Service, calibration and validation work comes with the records your laboratory needs for audits and quality systems.
- **Quality system:** Service is delivered under the ISO 9001:2015 certified quality management system of Viyon Middle East L.L.C.
- **1. Tell us what you need:** Send the instrument model, serial number, location and the work needed or the fault you see.
- **2. We confirm the plan:** We reply with the scope of work, cost and a visit date.
- **3. Work is carried out:** The service, calibration or repair is completed and you receive the documents for your records.

LABORATORY PROGRAMME

VIYONCARE 360



Complete Care. Continuous Performance.

A comprehensive laboratory supply, service and equipment lifecycle support programme for laboratories across the UAE. No more sending a fresh enquiry every time your laboratory needs products: VIYON keeps your consumption profile on file and proactively manages your replenishment, so consumables, standards and reference materials arrive when you need them.

Six areas of care

- **Supply:** Laboratory consumables, chemicals, standards and reference materials with planned replenishment to help prevent stock interruptions.
- **Service:** Installation, commissioning, troubleshooting and repair coordination for supported laboratory instruments.
- **Calibration & Validation:** Coordination of calibration, validation and IQ/OQ/PQ activities with qualified technical partners, including supporting documentation.
- **Preventive Maintenance:** Planned preventive maintenance programmes designed to improve equipment reliability and minimise unplanned downtime.
- **Technical Support:** A single point of contact for product enquiries, order coordination, delivery updates and technical service requests.
- **Lifecycle Management:** Equipment records, service reminders, consumption reviews and ongoing recommendations to support your laboratory operations.

How ViyonCare 360 works for you

- **1. You share your laboratory profile:** Tell us the equipment in your laboratory and your typical monthly consumption.
- **2. We prepare your schedule:** VIYON prepares a recommended product list and replenishment schedule for your laboratory.
- **3. You choose how to order:** Agree an annual supply arrangement or scheduled purchase orders, whichever suits your procurement.
- **4. We remind you ahead of time:** VIYON sends reminders before each anticipated replenishment date, so nothing runs out.
- **5. We look after your equipment:** VIYON manages equipment maintenance and service coordination for you.
- **6. We review every quarter:** VIYON reviews your consumption each quarter and identifies any additional requirements.

You stay in control. You keep control of every individual purchase order. There is no forced subscription and no prepaid arrangement.

What makes ViyonCare 360 different

- **Smart Replenishment Programme:** We monitor your consumption patterns and arrange replenishment before critical consumables run out. Particularly valuable for Oil & Gas and pharmaceutical laboratories.
- **Equipment Lifecycle Register:** An up-to-date list of your laboratory equipment with service history, calibration due dates and maintenance schedules.
- **Quarterly Laboratory Health Review:** A regular review of your consumption, equipment service needs, upcoming calibrations and opportunities to optimise purchasing.

Choose your level of care

Three programmes, each tailored to your equipment, scope and agreed service levels. ViyonCare 360 is a planned programme agreed with you, not an unlimited or free service commitment.

PROGRAMME	SUMMARY	INCLUDES
CARE BASIC	Consumables supply, replenishment planning and customer support.	Planned consumables and standards supply; replenishment schedule and reminders; one point of contact
CARE PLUS	Everything in Care Basic, plus scheduled maintenance and calibration coordination.	Everything in Care Basic; scheduled preventive maintenance; calibration and validation coordination
CARE COMPLETE	Everything in Care Plus, plus the equipment lifecycle register, quarterly reviews and priority coordination.	Everything in Care Plus; Equipment Lifecycle Register; Quarterly Laboratory Health Review; priority coordination

To join: share your equipment list and monthly consumption with scientific@viyonmiddleeast.com, and we will prepare a recommended replenishment schedule for your laboratory.

LOCAL ASSURANCE

Regulatory Clearance, Local Assurance & Contact

Certified Local Quality Assurance & Machinery Safety

- **UAE Compliance:** Viyon Middle East L.L.C ensures that 100% of our distributed machinery, high-pressure vessels, and chemical standard stocks are fully compliant with the regulatory guidelines of the United Arab Emirates.
- **High-Pressure Vessel Authorization:** Rodwell autoclaves operate as precision-engineered pressure systems creating door forces up to 11 tonnes. Viyon manages the mandatory structural safety, validation, and calibration alignments required for local mainland and free zone operations.
- **Industrial Compliance Coordination:** Registered to support direct chemical, petroleum, sterilization, and medical data logistics required by ADNOC Research, free zone safety inspectorates, the Dubai Municipality portal (Montaji parameters), and the Ministry of Health and Prevention (MOHAP).

Request a quotation

VIYON MIDDLE EAST

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CB-MS-1713 ISO 9001:2015 Quality System Certified

ISO 9001:2015 certified. Viyon Middle East L.L.C operates a certified quality management system.

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