

GLASSWARE FOR LIFE SCIENCES

FOCUS ON VOLUMETRICWARE

Dr. Namit Ranjan Global Product Manager – Volumetric Glassware DWK Life Sciences 25-05-2023





DWK Life Sciences at a Glance

DWK Brands

Sustainibility

Volumetric Glassware



DWK LIFE SCIENCES AT A GLANCE

Leading global manufacturer for

- » Laboratory Glassware
- » Life Science
- » Pharma Packaging Solutions
- Supplier of leading laboratory plasticware
- Owner of the highly recognized brands DURAN[®], WHEATON[®] and KIMBLE[®]

DWK LIFE SCIENCES AT A GLANCE

- >13 manufacturing sites and distribution centers in North America, Europe and Asia
- ~ 1,900 employees worldwide
- Over 35,000 products



OUR VISION & OUR VALUES



PASSION



PRECISION



CREATIVITY



TRUST



OUR BRANDS



OUR GLOBAL MAJOR BRANDS

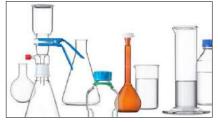








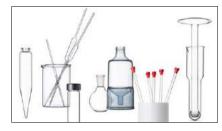
Application or material specific brands to enlarge our portfolio:



- Leading premium brand for laboratory glassware
- Borosilicate 3.3 glass
- DIN / ISO standards



- Distinguished brand of premium glass and plastic container
- Solutions for scientific, industrial and packaging applications



- Trusted brand for laboratory glassware
- Borosilicate 3.3 & soda lime glass
- ASTM standards









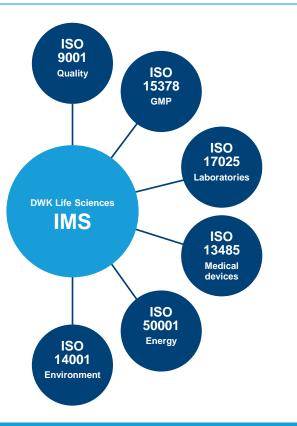
CONTINUOUS IMPROVEMENT



Integrated Management System (IMS).

Sites Worldwide are certified according to **ISO 9001**.

Audited regularly by the certification body and by well-known pharmaceutical customers.



SUSTAINABILITY





Aims to reduce energy consumption by a further 10% by 2030.

- Committed to highest standards for ethical behavior, safety and protection of our natural environment.
- Conduct activities in compliance with all applicable laws, regulations and the UN defined <u>17 sustainable goals</u>.
- Strive to conserve natural resources and avoid any environmental impacts.
 - ISO 50001 (Energy management)
 - ISO 14001 (Environmental management)
- All melting tanks are operated with electricity (no gas).
- Registered with
 - **EcoVadis** (Sustainability rating system)
 - **Green Dot** (Dual recycling system)

About me



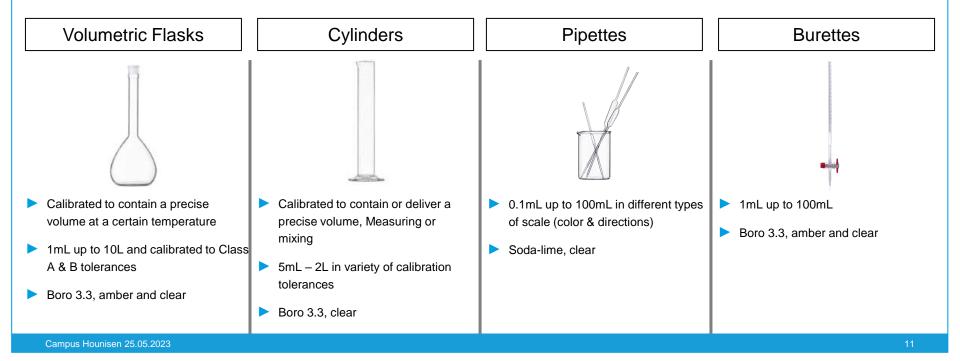


- Global Product Manager Volumetricware
- at DWK Life Sciences since April 2023
- PhD Molecular Biology & Biophysics, ETH Zürich
- Experienced Biochemist, Bioprocess Automation expert
- Strong Communication & Teamwork
- Love Travelling, Cooking (Indian), Volunteering

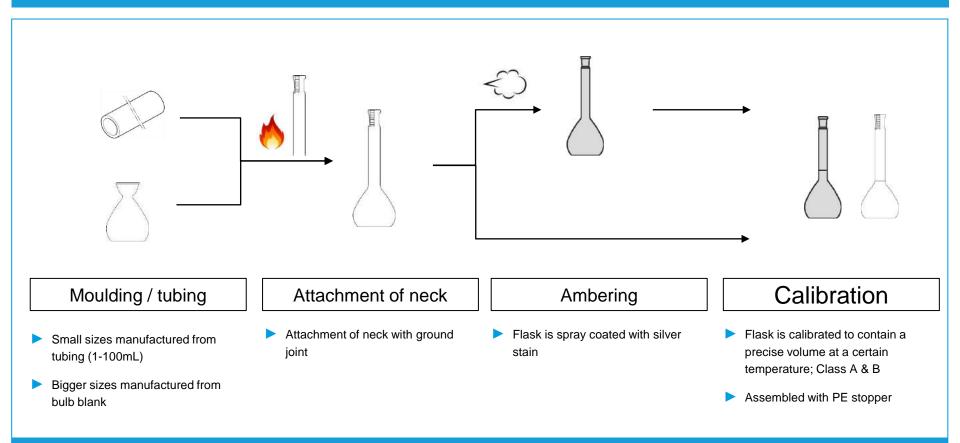




DWK offers many types of volumetric products which are all standardized according to national and international standards

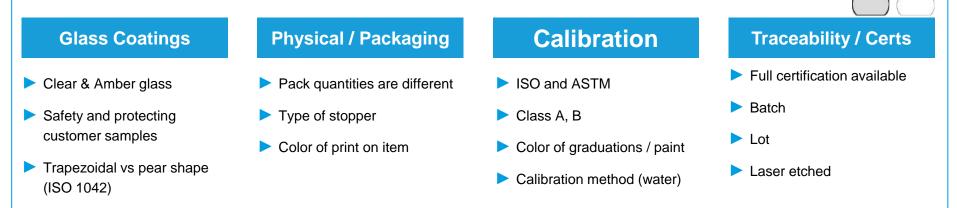


Vol. Flasks - Manufacturing processes

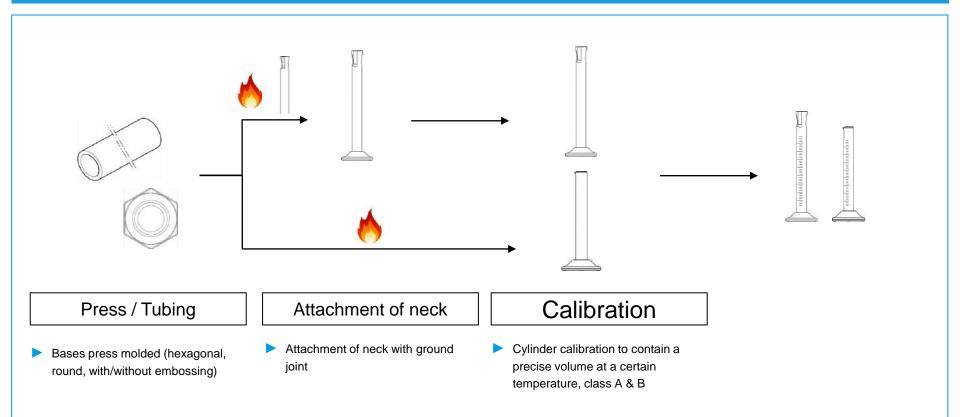


Vol. Flasks - Additional value-added features and benefits

- Core Laboratory product and can be offered with a range of certification and calibration information.
- Different markets have slightly differing requirements from dimensional, materials and tolerances.



Measuring / Mixing Cylinder – Manufacturing processes



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Measuring and Mixing cylinders are a precise measuring product for Liquids and generally used in business markets Different markets have slightly differing requirements from dimensional, materials and tolerances Physical / Packaging Calibration **Product Range Traceability / Certs** Full certification available Clear glass Pack quantities ISO and ASTM Batch KimCote® safety coating Type of stopper Class A, B (under KIMBLE US brand)

ISO 17025

Calibration method (water)

Measuring / Mixing Cylinder - Additional value-added features and benefits



Calibration Physical / Packaging Traceability / Certs Full certification available ISO and ASTM (USP) Clear glass Various pack quantities Batch Class A, AS, B Broad range of pipettes (types, capacities, print,...) ISO 17025 Soda-lime, Boro 3.3 Color of graduations / paint

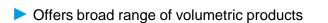
Pipettes & Burettes

Pipettes and Burettes are used for a precise liquid measurement ٠

Product Range



Key Messages – DWK Volumetric Glassware



Vol. Flasks

- Measuring Cylinders
- Pipettes & Burettes

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> All products fulfill the market requirements national & international standards



Full certification available



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OUR POINT OF VIEW **BEGINS WITH YOU.**

Comprehensive product portfolio for your life science, pharma and diagnostic packaging as well as industrial applications

Working in partnership with you to realize customer-specific products and service solutions

- Excellent global coverage and local customer support
- Unparalleled glass manufacturing expertise of more than 100 years
- Uncompromising focus on quality and innovation



