



Pharmaceutical Primary Packaging

Made of Glass

gerresheimer.com

gerresheimer
innovating for a better life

About Gerresheimer

Innovating for a better life

Gerresheimer is the global partner for pharma, biotech, healthcare and beauty with a very broad product range for pharmaceutical and cosmetic packaging and drug delivery devices.

The company is an innovative solution provider from concept to delivery of the end product. Gerresheimer achieves its ambitious goals through a high level of innovative strength, industrial competence, focus on quality and customers.

In developing innovative and sustainable solutions, Gerresheimer relies on a comprehensive international network with numerous innovation and production centers in Europe, America and Asia. Gerresheimer produces close to its customers worldwide with around 10,000 employees and generates annual sales of more than €1.4 billion. With its products and solutions, Gerresheimer plays an essential role in people's health and well-being.

Your specialist for
pharmaceutical
primary packaging
made of glass

Glass is the preferred primary packaging material for many pharmaceuticals. As a leading global manufacturer of pharma glass, Gerresheimer offers a comprehensive portfolio of products in superior quality. This catalog presents our range of tubular and moulded glass products and services.

Ihr Spezialist für
pharmazeutische
Primärverpackungen
aus Glas

Glas ist für viele Arzneimittel das bevorzugte Primärverpackungsmaterial. Als einer der global führenden Hersteller von Glas für die Pharmazie bietet Gerresheimer Ihnen ein breites Programm von herausragender Qualität. In diesem Katalog präsentieren wir unser Leistungsspektrum aus Röhren- und Behälterglas.

Votre spécialiste
des emballages
pharmaceutiques
primaires en verre

Le verre est le matériau d'emballage primaire privilégié pour de nombreux médicaments. En tant que fabricant leader à l'échelle mondiale de verre pharmaceutique, Gerresheimer vous propose une gamme étendue et d'excellente qualité. Nous vous présentons dans ce catalogue notre palette de produits de verre tubulaire et moulé.



Tailor-made solutions based on tubular glass

We use flint or amber borosilicate glass tubing (type I) to produce the high-quality vials, ampoules and cartridges in our comprehensive range of primary packaging for pharmaceuticals made of tubular glass.

Maßgeschneiderte Lösungen aus Röhrenglas

Aus klaren und braunen Borosilikatglasröhren des Typs I fertigen wir hochwertige Fläschchen, Ampullen und Karpulen. Damit bieten wir ein umfassendes Primärverpackungsprogramm aus Röhrenglas für die Pharmazie.

Solutions sur mesure en verre tubulaire

En partant de tubes en verre borosilicate transparent et brun de type I, nous fabriquons des flacons, ampoules et carpules de qualité. Nous vendons ainsi une gamme exhaustive de conditionnements primaires en verre tubulaire à l'industrie pharmaceutique.



Perfectly matched moulded glass packaging

We produce all kinds of moulded glass containers suitable for pharmaceuticals, including borosilicate glass containers of the highest hydrolytic resistance. This enables us to offer a complete range of pharmaceutical packaging in flint, amber, colored and opal glass.

Optimal abgestimmte Behälterglasverpackung

Wir produzieren alle Arten von Behälterglasverpackungen für die Pharmazie. Dazu zählen auch Borosilikatglasbehälter von höchster hydrolytischer Resistenz. Auf dieser Basis bieten wir ein vollständiges Programm von Pharmaverpackungen aus Klar- und Braunglas sowie Farb- und Opalglas an.

Des contenants en verre parfaitement adaptés

Nous produisons toutes sortes de contenants en verre pour la pharmacie. En font partie également des contenants en verre borosilicate d'une résistance hydrolytique extrême. Partant de là, nous vendons une gamme complète d'emballages pharmaceutiques en verre transparent et brun, de même qu'en verre coloré et translucide.

Tubular Glass

Page 05

Moulded Glass

Page 19



European product range
Moulded Glass

Page 25



North American product range
Moulded Glass

Page 53



Indian product range
Moulded Glass

Page 65

Tubular Glass



Pharmaceutical packaging made of tubular glass
Pharmaverpackungen aus Röhrenglas
Emballages pharmaceutiques en verre tubulaire



Tailor-made solutions for parenteral drugs

Gerresheimer uses high-quality glass tubing to manufacture cartridges, ampoules and vials as primary packaging for the pharma and biotech industries.

- Many years of expertise
- Borosilicate glass of hydrolytic class I
- Risk mitigation as a result of many production facilities around the world

Maßgeschneiderte Lösungen für parentale Arzneimittel

Aus qualitativ hochwertigen Glasröhren produziert Gerresheimer Karpulen, Ampullen und Fläschchen als Primärverpackungsbehälter für die Pharma- und Biotech-Industrie.

- Langjährige Erfahrung
- Borosilikatglas der hydrolytischen Klasse I
- Risikobegrenzung durch zahlreiche Produktionsstätten weltweit

Solutions sur mesure pour médicaments parentéraux

Avec des tubes de verre de qualité Gerresheimer fabrique des carpules, ampoules et flacons servant de contenants primaires pour l'industrie pharmaceutique et biotechnologique.

- Longue expérience
- Verre borosilicate de classe hydrolytique I
- Limitation des risques grâce à de nombreux sites de production dans le monde entier



Quality standards

Our plants consistently apply current good manufacturing practices (cGMP) and are certified as compliant with the DIN EN ISO 9001 and 15378 standards. Our products conform to Pharm. Eur., USP and JP and fulfill the requirements for glass as a primary packaging material.

- State-of-the-art technologies
- Continuous process improvements
- Clean room production
- Drug master files to simplify product registrations

Qualitätsstandards

Unsere Werke wenden die Good Manufacturing Practice (cGMP) konsequent an und sind nach DIN EN ISO 9001 und 15378 zertifiziert. Unsere Produkte entsprechen den Richtlinien der einschlägigen Pharmakopöen (Pharm. Eur., USP und JP) und erfüllen alle Anforderungen an Primärverpackungen aus Glas.

- Modernste Technologien
- Kontinuierliche Prozessverbesserungen
- Reinraumproduktion
- Drug Master Files zur Erleichterung von Produktregistrierungen

Normes de qualité

Nos usines appliquent scrupuleusement les bonnes pratiques de fabrication (Good Manufacturing Practice (cGMP)) et sont certifiées DIN EN ISO 9001 et 15378. Nos produits satisfont aux directives des pharmacopées concernées (Pharm. Eur., USP et JP) et répondent aux exigences imposées au verre destiné aux emballages primaires.

- Technologies ultramodernes
- Amélioration continue des process
- Production en salles blanches
- Fiches Maitresses de Médicament (Drug Master Files) pour l'enregistrement des produits

Content Tubular Glass
Inhalt – contenu

1



European product range

Page 08

2



Gx® Ampoules

Page 10

3



Gx® Vials

Page 12

4



Monolayer Vials based on COP

Page 14

Gx[®] Cartridges for drug delivery systems (dental and pen)



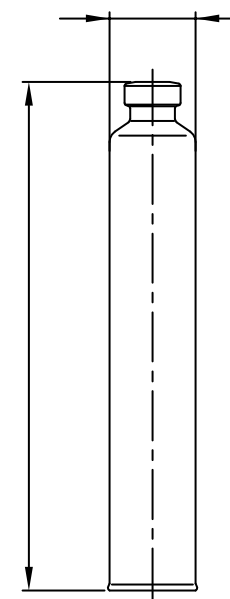
Gerresheimer is an approved supplier of cartridges for various pharmaceutical applications. Our Gx[®] Cartridges range in size from 1.5 to 10 ml and are available in flint and amber (glass type I). To ensure that customer quality requirements are met, all of our Gx[®] Cartridge lines are equipped with visual inspection systems for 100% dimensional control. Our most modern lines also use visual inspection systems to check for cosmetic defects and line-scan cameras to control the glazed end. Final packaging is performed under controlled environmental conditions.

- Pen cartridges
- Dental cartridges
- Type I glass (compliant with Pharm. Eur. / USP / JP)
- Sizes from 1.5 to 3.0 ml, larger sizes up to 10.0 ml on request
- Visual inspection systems for 100% dimensional control
- Designs according to DIN ISO 11040-1 and 13926-1; customized formats on request
- Customized ceramic printing with heavy metal-free inks
- Packaging options: PP box, tray, shrink wrap
- Suitable for standard filling and packaging equipment
- Drug Master File Type III

Gx[®] Cartridges Gx[®] Karpulen Gx[®] Carpules



specifications



ml	mm	mm	mm
1.5	8.65	6.85	56.95
1.8	8.65	6.85	62.00
3.0	11.60	9.70	62.30
3.0	11.60	9.65	62.30

Other dimensions on request

Gx® Ampoules
as primary packaging for numerous drugs



Our customers around the world benefit from our many years of expertise in the field of pharmaceutical ampoule manufacturing as their highly competent supplier and partner. Even our standard range of Gx® Ampoules includes a wide variety of high-quality products. Several options complement this range, enabling us to match the type and properties of our Gx® Ampoules to your specific requirements in addition to ISO standard compliance.

Gerresheimer is strongly committed to innovative technologies and regularly collaborates with customers to continuously develop and optimize them along the entire process chain. The quality of our Gx® Ampoules is monitored at every stage of the production process by state-of-the-art in-line camera systems – right through to a complete inspection of the printing. The excellent dimensional stability of our Gx® Ampoules enables high-speed filling and sealing operations.



- Type I glass (compliant with Pharm. Eur. / USP / JP)
- Flint and amber glass ampoules
- Filling capacities from 1 to 30 ml
- Straight stem, funnel type and closed ampoules (ISO types B, C and D as well as customized special shapes)
- Various break systems such as OPC (One Point Cut), CBR (Color Break Ring) and SCR (Score Ring) with optimized opening forces
- Up to three colored coded identification rings or customized ceramic printing with heavy metal-free inks
- Optimized designs for lyophilization
- Production and packaging under cGMP conditions
- Drug Master File Type III

Gx® Ampoules Type B/C/D
Gx® Ampullen Typ B/C/D
Gx® Ampoules Type B/C/D



specifications

Type B					
1	60	21	10.75	6.5	8
2	72	33	10.75	6.5	8
3	75	35	12.75	6.5	8
5	83	41	14.75	7	9
10	102	55	17.75	7.5	9.5
20	113	65	22.5	8.5	11
25	128	80	22.5	8.5	11
30	143	95	22.5	8.5	11
Type C					
1	67	21	10.75	6.5	9
2	79	33	10.75	6.5	9
3	82	35	12.75	6.5	10.7
5	90	41	14.75	7	12.2
10	109	55	17.75	7.5	13
20	120	65	22.5	8.5	14
25	135	80	22.5	8.5	14
30	150	95	22.5	8.5	14
Type D					
1	70	21	10.75	9	10
2	83	33	10.75	9	10
3	89	35	12.75	10.7	10.5
5	95	41	14.75	12.2	12
10	112	55	17.75	13	13.5
20	126	65	22.5	14	13.5
25	141	80	22.5	14	13.5
30	156	95	22.5	14	13.5

Applies to all products on this page: Other dimensions on request

Gx[®] Vials
for pharmaceuticals and diagnostics



Our comprehensive range of Gx[®] Vials comprises sizes from 0.6 to 100 ml in different designs, with or without blowback (European and American version) according to industry standards or to your individual specifications. State-of the art production process and in-line camera inspection systems ensure high performance in filling lines and lyophilization processes. Production and packaging are performed under cGMP conditions.

Pharmaceutical vials

- Injection vials
- Lyophilization vials
- Tablet vials
- Large OD vials

Diagnostic vials

- Screw thread vials
- Screw thread tubes
- Chromatography vials

Special vials

- ADD-Vantage[®] vials
- Two-compartment vials
- Sampler vials
- Onion skin vials

Finishes

- Without blowback
- With blowback
 - European version
 - American version



Gx[®] G3 Vial Inspection

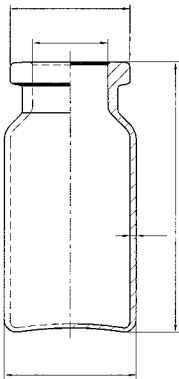
- Visual inspection of all areas of the vial: finish/neck, shoulder, body, hyper-bottom
- Combination of 5 high resolution matrix and linescan cameras
- Proprietary lighting system
- Custom software capable of defect recognition and classification
- Bright and dark field images acquired at the same time help to characterize defects
- Precision handling system for repeatability

Gx[®] Vials (ISO, US/CAN)
Gx[®] Fläschchen (ISO, US/CAN)
Gx[®] Flacons (ISO, US/CAN)

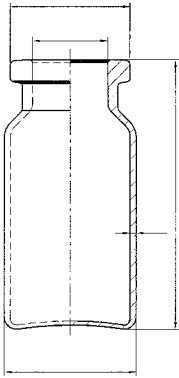


specifications

ISO vials



Most Common sizes for US/CAN market



Ref.#						
2R	4	16	13	7	35	1.0
4R	6	16	13	7	45	1.0
6R	10	22	20	12.6	40	1.0
8R	11.5	22	20	12.6	45	1.0
10R	13.5	24	20	12.6	45	1.0
15R	19	24	20	12.6	60	1.0
20R	26	30	20	12.6	55	1.2
25R	32.5	30	20	12.6	65	1.2
30R	37.5	30	20	12.6	75	1.2
50R	62.23	42.5	19.9	12.7	65	1.5

2	3.05	14.75	13.15	7.05	32	1.0
3	4.68	16.70	13.15	7.05	38	1.1
5	7.33	20.75	13.15	7.05	38	1.1
6	10.13	21.75	19.94	12.70	40	1.1
10	15.19	23.75	19.94	12.70	50	1.2
15	22.74	26.75	19.94	12.70	57	1.2
20	28.56	28.75	19.94	12.70	62	1.2
25	28.42	26.75	19.94	12.70	73	1.45
30	38.82	29.75	19.94	12.70	76	1.2
50	62.23	42.50	19.9	12.70	65	1.5

Applies to all products on this page: Other dimensions on request

Monolayer Vials (standard and RTS) based on COP
Improved barrier properties for sensitive products



Our monolayer plastic vials unite the best properties of plastic and glass packaging for liquid medications. The vials are available with a single-layer structure based on Cyclic Olefin Polymer (COP). The vials offer inert contact surface and have been proven with various pharma applications in the market. They also deliver a unique packaging safety feature to manufacturers of toxic or high potency drug solutions. The monolayer plastic vials are available in the sizes of 2, 5, 10, 50 and 100 ml and manufactured under clean room conditions at our plant in Boleslawiec, Poland. The Boleslawiec facility is certified as compliant with ISO 9001, ISO 14001 and ISO 15378. This site has registered a DMF with the FDA (USA).

- Product characteristics**
- Break resistance
 - Inert against high and low pH value (no delamination)
 - Low absorption (protein derived active ingredients)
 - Excellent drainability
 - No heavy metal ions release
 - Available in 2, 5, 10, 50 and 100 ml

- Product offering**
- Monolayer plastic vials based on COP – standard and ready-to-sterilize (includes certified Bioburden, Endotoxin and Particle level)

Monolayer Vials
Monolayer Fläschchen
Monolayer Flacons

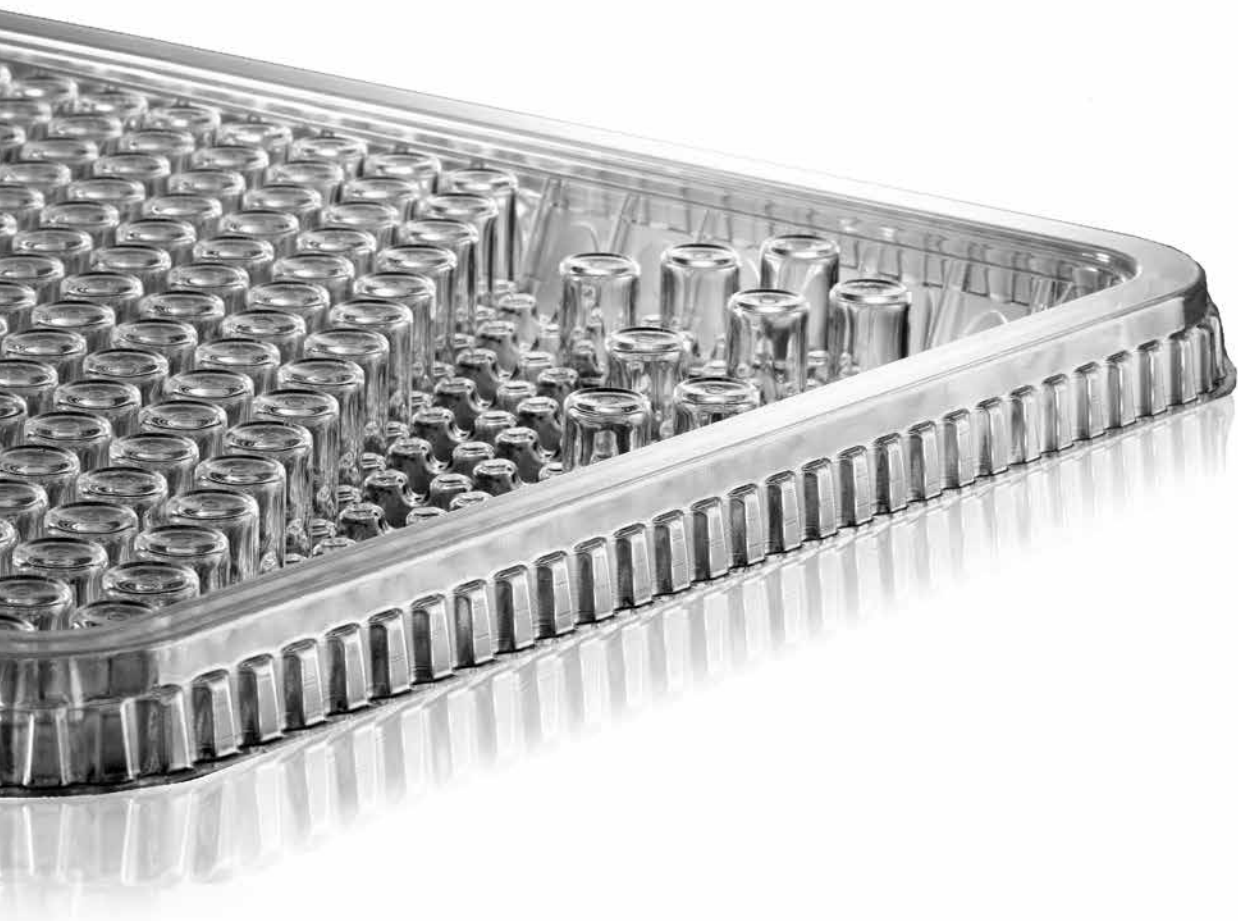


specifications

Ref.#									
39001	EN ISO 8362-1	2	3,5	16	35	3,6	13	7	2,7
39002	EN ISO 8362-1	5	9,1	22	40	3,6	20	12,6	4,9
39003	EN ISO 8362-1	10	12,5	24	45	3,6	20	12,6	6,1
39005	EN ISO 8362-4	50	67	42,5	73	3,8	20	12,6	16
39006	EN ISO 8362-4	100	132,2	51,6	94,5	3,8	20	12,6	26,5

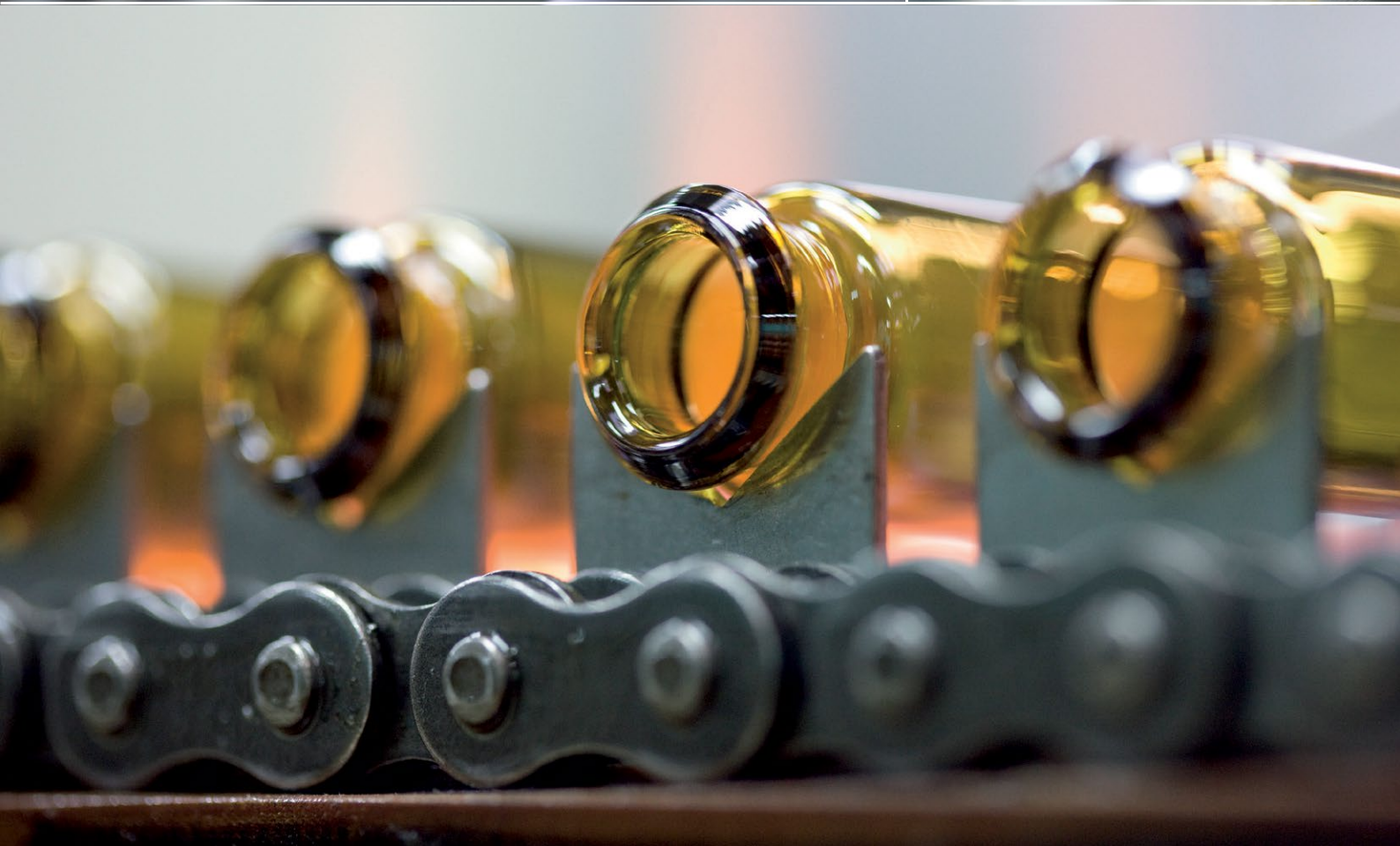
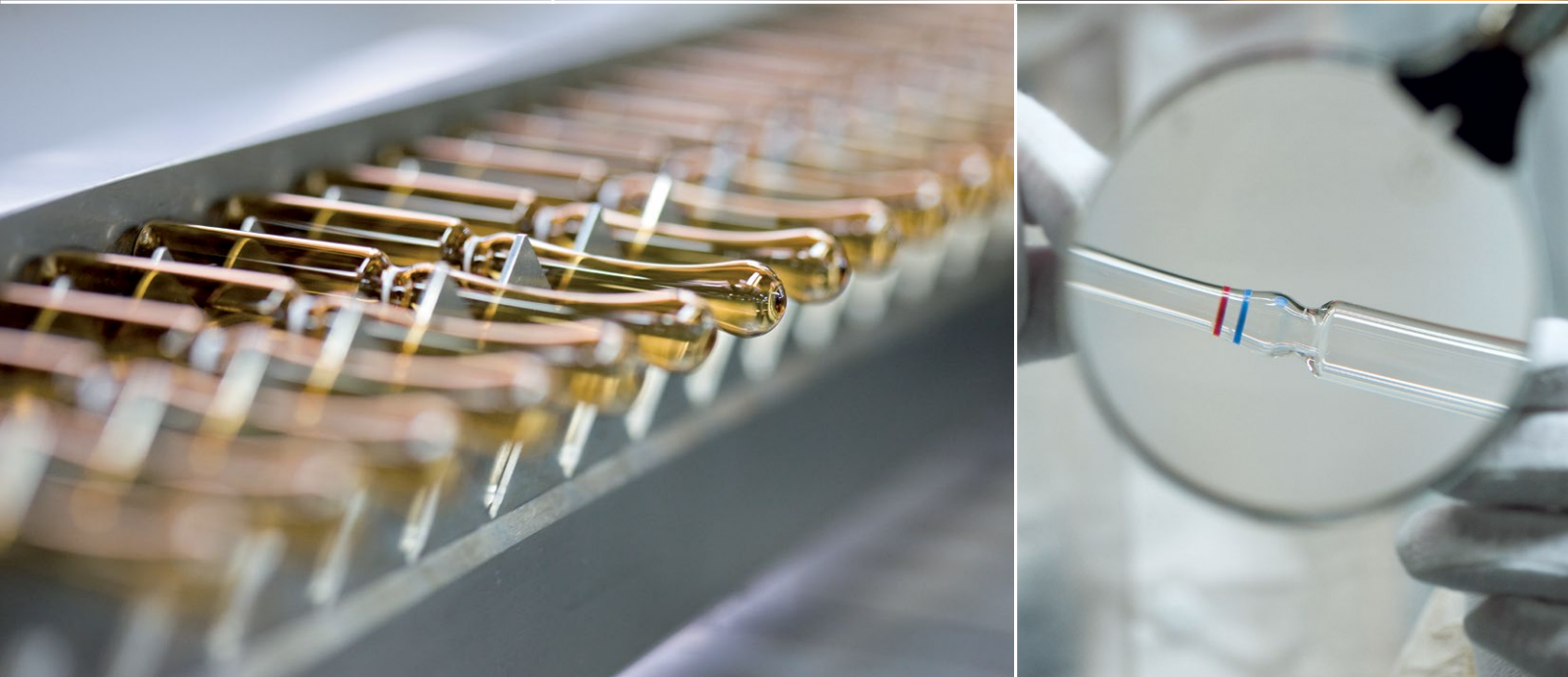
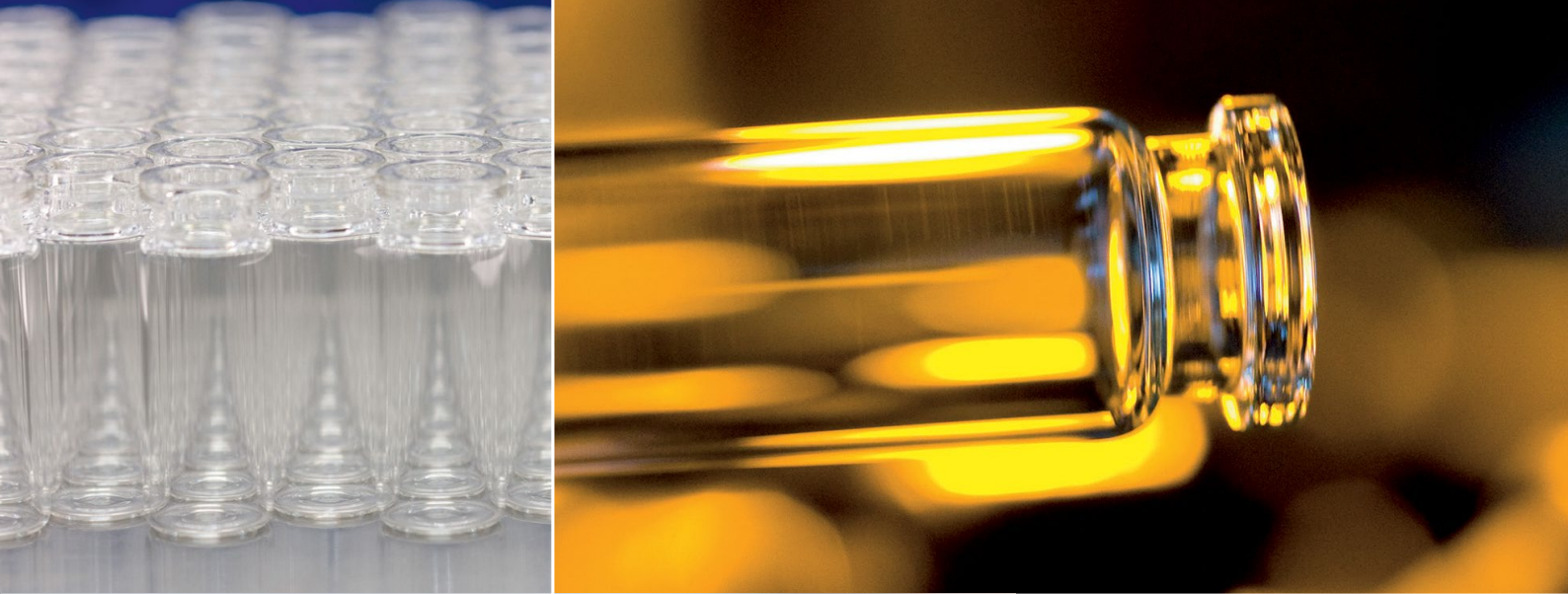


Monolayer Vials (standard and RTS) based on COP
Improved barrier properties for sensitive products



product packaging and finish description

	Specification	Standard	RTS	Irradiated
Production environment	ISO 7	●	●	●
Packaging processing	Fully automated	●	●	●
Packaging environment	ISO 7	●	●	●
Packaging materials in direct contact with vials	Produced in ISO 7	●	●	●
Dimensions	Accord. to standard specification	●	●	●
Defects	Accord. to standard specification	●	●	●
Cleanliness	Accord. to standard specification	●	●	●
Endotoxin	Certified per batch; limit: EU		●	
Particles	Certified per batch; limit:		●	●
Bioburden	Certified per batch; limit: cfu		●	●
Gamma radiation	Validated sterilisation dose			●
Sterilisation	Certified per batch / parametric release			●
Endotoxin test post sterilisation	Certified per batch			●



Tubular Glass

Page 05

Moulded Glass

Page 19



European product range
Moulded Glass

Page 25



North American product range
Moulded Glass

Page 53



Indian product range
Moulded Glass

Page 65

Moulded Glass



Pharmaceutical packaging made of moulded glass

A top-quality multi-faceted range for the markets of the world

Moulded glass packaging from the Gerresheimer Group makes up an internationally-leading, comprehensive range to the highest quality standards. In a wide variety of shapes and specifications it is tailored in detail to the requirement of your target markets.



For every need the perfectly matched moulded-glass packaging

Our product lines cover all the pharmaceutically relevant glass categories. In addition to borosilicate glass of type I, soda-silica glass of types II and III is used. We are therefore able to supply you with the perfectly matched glass packaging for every type and form of pharmaceuticals. With our choice of glass types we offer optimum conditions even for the most sensitive medicines – and at the same time the best packaging solution from an economic viewpoint.

You will find bottles and jars in a wide variety of variants and with numerous options to cater for specific needs. In addition to amber and clear glass, for example, we also produce coloured pharma glass and opaque opal glass. The range includes all the common mouth shapes and caters for contents from 2 to 4,000 ml. On request we can print or acid-etch the glass. In addition, we can develop customised glass shapes for you.

Tailor-made delivery packaging

You can also choose a delivery packaging form suited to your filling technology. We offer safe (shrink) packs, tray packs and industrial (service) packaging but also fulfil your individual packaging wishes.

Production with comprehensive quality assurance

We manufacture in Europe, America and Asia. Very high, internationally uniform quality standards apply for our operating establishments. Our packaging is produced on the basis of the latest defect evaluation lists and in accordance with the common pharmacopoeia requirements. Currently valid certification of our plants (ISO 9001, ISO 15378) is a matter of course.

From development through to production and on to the delivery packaging we use state-of-the-art processes and control technologies. With the help of our clean-room systems we can ensure the best possible values for our products in terms of freedom from germs and particles.

Everything from a single source

We naturally supply you with complete problem solutions from a single source. This includes professional system advice on all aspects of your pharma packaging. We also help you with the selection of suitable suppliers of closures or other design components. From the first request for samples right through to delivery, our teams are available to assist you with professional customised advice: everywhere in the world.

Pharmaverpackungen aus Behälterglas

Qualität und Vielfalt für die Märkte der Welt

Behälterglasverpackungen der Gerresheimer Gruppe bilden ein umfassendes, international führendes Programm auf höchstem Qualitätsniveau. In vielfältigen Formen und Spezifikationen ist es detailliert auf die Anforderungen Ihrer Zielmärkte abgestimmt.



Für jeden Bedarf die optimal abgestimmte Behälterglas-Verpackung

Unsere Sortimente schließen alle pharmazeutisch relevanten Glasklassen ein. Neben Borosilicatglas des Typs I kommen Natronkalk-Silicatgläser der Typen II und III zum Einsatz. Damit sind wir in der Lage, Ihnen für jede Art und Form von Arzneimitteln die optimal abgestimmte Glasverpackung zu liefern. Mit unserer Auswahl an Glasarten bieten wir optimale Voraussetzungen selbst für sensibelste Medikamente – gleichzeitig die auch unter wirtschaftlichen Gesichtspunkten jeweils sinnvollste Verpackungslösung.

Sie finden Flaschen und Gläser in verschiedensten bedarfsgerechten Varianten und mit zahlreichen Optionen. So produzieren wir neben Braun- und Klarglas auch farbige Pharmagläser sowie blickdichtes Opalglas. Wir haben alle gängigen Mündungsformen und Volumina von 2 bis 4.000 ml im Programm. Auf Wunsch bedrucken oder mattieren wir das Glas. Darüber hinaus entwickeln wir auch kundenspezifische Glasbehältnisse.

Lieverpackungen nach Maß

Sie haben außerdem die Wahl der für Ihre Abfülltechnik geeigneten Lieferverpackung. Ob Safe-Pack, Tray-Pack, Industrieverpackung oder Ihr spezifischer Verpackungswunsch: wir bieten Ihnen verschiedenste Alternativen.

Produktion mit umfassendem Qualitätsanspruch

Wir produzieren in Europa, in Amerika und in Asien. Für unsere Betriebsstätten gelten international einheitliche, sehr hohe Qualitätsstandards. Unsere Verpackungen entstehen auf Basis der jeweils jüngsten Fehlerbewertungslisten und nach den Richtlinien der einschlägigen Pharmakopöen. Aktuell gültige Zertifizierungen unserer Standorte (ISO 9001, ISO 15378) verstehen sich dabei von selbst.

Von der Entwicklung über die Herstellung bis zur Lieferverpackung setzen wir modernste Verfahrens- und Kontrolltechnologien ein. Mit Hilfe unserer Reinraumsysteme können wir für unsere Erzeugnisse auch hinsichtlich der Keim- und Partikelarmut beste Werte sicherstellen.

Alles aus einer Hand

Natürlich liefern wir Ihnen komplette Problemlösungen aus einer Hand. Dazu gehört kompetente Systemberatung rund um Ihre Pharmaverpackung. Wir helfen Ihnen auch bei der Auswahl geeigneter Lieferanten, wenn es um Verschlüsse oder andere Ausstattungskomponenten geht. Von der ersten Anfrage über die Bemusterung bis zur Lieferung stehen Ihnen unsere Teams mit maßgeschneiderten Beratungs- und Serviceleistungen kompetent zur Seite: überall auf der Welt.

Emballages pharmaceutiques en verres de récipients

diversité et qualité pour tous les marchés du monde

Les recipients en verre développés par le groupe Gerresheimer entrent dans le cadre d'un programme complet de qualité, leader sur les marchés internationaux. Dans une grande diversité de formes et de spécifications il est parfaitement adapté aux exigences de tous vos marchés cibles.



À chaque besoin son récipient en verre parfaitement adapté

Notre palette de produits se compose de toutes les catégories de verre à usage pharmaceutique : nous utilisons du verre borosilicate de type I, mais aussi du verre sodocalcique des types II et III. Nos emballages en verre sont donc parfaitement adaptés à tous les types de médicaments. Dans notre vaste sélection de verres, vous trouverez à la fois des solutions optimales pour le conditionnement de vos médicaments les plus sensibles, et des solutions tenant compte de toutes les exigences de rentabilité.

Nous vous proposons des flacons et des verres dans diverses variantes selon vos besoins et avec de nombreuses options. Nous fabriquons du verre transparent et du verre brun, aussi bien que des verres colorés à usage pharmaceutique et des verres opalisés opaques. Notre programme propose toutes les formes d'embouchure et tous les volumes de remplissage de 2 à 4000 ml. Sur demande, nous pouvons appliquer des inscriptions sur le verre ou procéder à son matage. Par ailleurs, nous pouvons développer des formes de verre sur mesure, adaptées à vos besoins.

Emballages sur mesure

Gerresheimer vous donne également la possibilité de choisir les emballages les mieux adaptés à votre technique de remplissage. Emballage barquette, pack housé, emballage industriel ou vos demandes d'emballages personnalisés, à vous de décider.

Production et exigence de qualité totale

Le groupe Gerresheimer a des sites de production en Europe, en Amérique et en Asie. Toutes nos usines sont soumises à des normes internationales de qualité très strictes, et nos emballages sont fabriqués conformément aux listes de correction les plus récentes et aux directives des pharmacopées applicables. Tous nos sites ont reçu la certification (ISO 9001, ISO 15378).

Depuis le développement jusqu'à l'emballage, en passant par la production, nous employons des procédés et techniques de contrôle les plus modernes. Nos systèmes de salles blanches nous permettent de garantir une atmosphère pauvre en particules et en germes et d'assurer les meilleurs résultats pour nos produits.

Bien plus qu'un fabricant

Gerresheimer vous propose des solutions complètes, comprenant également notre assistance système pour tous vos emballages pharmaceutiques. Nous vous assistons également dans la sélection de fournisseurs de fermetures et d'autres composants d'habillage de vos contenants. Nos équipes mettent à votre disposition leurs compétences, leurs services et leurs conseils entièrement personnalisés depuis vos premières demandes jusqu'à la livraison en passant par la phase de contrôle : partout dans le monde.

Legend
Legende – légende

Ref.#				
reference Referenz référence	cross-section Querschnitt coupe transversale	glass types Glastypen types de verre	declared capacity Inhalt füllvoll contenance utile	brimful capacity Inhalt randvoll contenance ras-bord
				
weight Gewicht poids	overall height Höhe hauteur totale	major diameter Breite, Breitseite grande largeur	minor diameter Breite, Schmalseite petite largeur	Mündung neck finish bague

Glass types
Glastypen – types de verre



Type I

Borosilicate glass with maximum possible chemical resistance
flint and amber

Borosilikatglas mit größtmöglicher chemischer Resistenz
klar und braun

Verre borosilicate à très haute résistance chimique
blanc et brun



Type II

Soda-silicate glass
special inner surface treatment
flint and amber

Natronkalk-Silikatglas
innenvergütet
klar und braun

Verre sodocalcique
surface interne traitée
blanc et brun



Type III

Soda-silicate glass
flint, amber and coloured

Natronkalk-Silikatglas
klar, braun und farbig

Verre sodocalcique
blanc, brun et coloré

A



European
product range

Page 25 – 51



B



North American
product range

Page 53 – 63

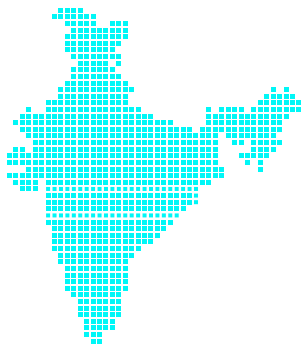


C



Indian
product range

Page 65 – 74



European product range

A 1		Syrup bottles Light glass, syrup special, syrup with filling mark, Euro-med, EHV, Veral, Combi	Sirupflaschen Leichtglas, Sirup spezial, Sirup mit Füllhöhenmarkierung, Euro-Medizin, EHV, Veral, Kombi	Flacons sirop Allégés, sirop spécial, sirop avec traite a jauge, type Euromed, EHV, Véral, combinés	p. 26
A 2		Shaped bottles Meplat bottles, oval bottles, Montana bottles	Formflaschen Meplatflaschen, Ovalflaschen, Montanaflaschen	Flacons de forme Flacons méplats, flacons ovales, flacons Montana	p. 33
A 3		Dropper bottles Allround bottles, standard and special dropper bottles	Tropfflaschen Allroundflaschen, Standard- und Spezial-Tropfflaschen	Flacons goutte Flacons goutte type Allround, Flacons goutte standards et spéciaux	p. 36
A 4		Tablet bottles Screw-thread bottles, impact neck finish, Interpharma	Tablettingläser Schraubgewinde, Aufprellverschluss, Interpharma	Piluliers Bague à vis, cap-to-cap, Interpharma	p. 40
A 5		Wide-mouth jars Screw-threads	Weithalsgläser Schraubgewinde	Pots à large ouverture Bague à vis	p. 46
A 6		Cream pots	Cremetiegel	Pots crème	p. 47
A 7		Injection bottles	Injektionsflaschen	Flacons antibiotiques	p. 48
A 8		Infusion bottles	Infusionsflaschen	Flacons perfusion	p. 49
A 9		Transfusion bottles	Transfusionsflaschen	Flacons transfusion	p. 50
A 10		Chemical / Technical	Chemisch-technisch	Pour produits chimiques / techniques	p. 51

Syrup bottles
Sirupflaschen – Flacons sirop



Light glass bottles
Syrup alpha
Leichtglasflaschen
Sirup alpha
Flacons allégés
Sirop alpha

specifications

Ref.#									
4894		III	30,0	37,0	39	67,0	35,0	35,0	PP 28 S
4389, 6316		III	60,0	67,0	56	94,0	38,6	38,6	PP 28 S
6314		III	90,0	97,5	64	103,1	43,9	43,9	PP 28 S
4305, 6309		III	100,0	108,0	70	104,8	46,1	46,1	PP 28 S
4388, 6310		III	125,0	133,5	84	114,5	49,0	49,0	PP 28 S
4356, 6311		III	150,0	158,0	94	122,8	51,6	51,6	PP 28 S
4381		III	180,0	187,0	114	129,9	54,7	54,7	PP 28 S
8802		III	200,0	213,0	118	133,3	57,0	57,0	PP 28 S
4358		III	200,0	209,0	115	133,3	57,0	57,0	PP 28 S
4366		III	250,0	260,0	146	142,9	61,7	61,7	PP 28 S
4360, 6649		III	300,0	315,0	167	151,3	65,6	65,6	PP 28 S
8117		III	500,0	520,0	240	176,8	76,8	76,8	PP 28 S
8118		III	1000,0	1021,0	470	217,0	97,5	97,5	PP 28 S

Syrup bottles
Sirupflaschen – Flacons sirop



Syrup special
Sirup spezial
Sirop spécial

specifications

Ref.#									
4875		III	60,0	74,0	75,0	88,5	44,0	44,0	PP 28 S
6239		III	75,0	93,5	82,0	102,8	45,0	45,0	PP 28 S
4373		III	100,0	110,0	75,0	116,1	44,2	44,2	PFP 24 S
4212		III	100,0	111,0	92,5	113,0	46,2	46,2	PP 28 S
6308		III	115,0	115,0	70,0	109,0	46,1	46,1	PP 28 S
4859		III	100,0	118,0	90,0	114,8	46,3	46,3	PP 28 S
8164		III	100,0	118,0	90,0	110,0	48,0	48,0	GL 22 (orig.)
4918		III	125,0	135,0	92,0	116,5	49,5	49,5	PP 24 S
8346		III	160,0	200,0	121,0	116,0	62,0	62,0	PP 28 S
6470		III	200,0	217,0	118,0	134,5	57,5	57,5	PP 28 S
8044		III	200,0	227,0	120,0	135,5	58,0	58,0	PP 28 S
8414		III	200,0	225,0	120,0	124,4	61,7	61,7	PP 28 S
4166		III	200,0	230,0	125,0	147,4	55,0	55,0	PP 28 S
4627		III	200,0	228,0	148,0	148,0	55,0	55,0	PP 24 S
4925		III	200,0	210,0	182,0	158,0	52,0	52,0	PP 28 S
4926		III	400,0	410,0	270,0	191,5	64,0	64,0	PP 28 S
1570		III	500,0	546,0	255,0	183,5	76,0	76,0	PP 28 S
1572		III	1000,0	1106,0	436,0	229,0	96,5	96,5	PP 28 S

Syrup bottles
Sirupflaschen – Flacons sirop



Syrup
with filling mark
Sirup mit
Füllhöhenmarkierung
Sirop
avec traite a jauge

specifications

Ref.#									
6316-01		III	30,0*	60,0	56	94,0	38,6	38,6	PP 28 S
6309-6		III	60,0*	108,0	70	104,8	46,1	46,1	PP 28 S
8080		III	60,0*	75,0	65	89,7	43,0	43,0	PP 28 S
6239-02		III	60,0*	93,5	82	102,8	45,0	45,0	PP 28 S
6314-01		III	60,0*	97,5	64	103,1	43,9	43,9	PP 28 S
8547		III	70,0*	108,0	70	104,8	46,1	46,1	PP 28 S
6310-2		III	100,0*	133,0	82	114,5	49,0	49,0	PP 28 S
6317		III	250,0*	282,0	135	142,5	63,3	63,3	PP 28 S

*(Filling Mark)



Syrup bottles
Sirupflaschen – Flacons sirop



Euro-med bottles
Euro-Medizin-Flaschen
Flacons type Euromed

specifications

Ref.#									
0459		III	50,0	68,0	80	94,5	41,0	41,0	PP 28 S
0569		III	75,0	80,0	90	85,0	48,0	48,0	PP 28 S
0460		III	100,0	124,0	110	117,4	48,0	48,0	PP 28 S
0386		III	150,0	182,0	150	128,5	55,0	55,0	PP 28 S
0461		III	200,0	234,0	190	139,4	60,0	60,0	PP 28 S
0747		III	250,0	287,0	220	151,5	63,5	63,5	PP 28 S
8598		III	300,0	347,0	200	159,1	66,0	66,0	PP 28 S
0369		III	500,0	546,0	360	183,4	78,0	78,0	PP 28 S

Syrup bottles
Sirupflaschen – *Flacons sirop*



EHV bottles
EHV-Flaschen
Flacons EHV

specifications

Ref.#									
0500		III	30,0	33,5	38	74,0	34,0	34,0	GL 18
0362		III	50,0	54,0	57	97,5	37,0	37,0	GL 18 (orig.)
3023		III	100,0	106,0	92	117,0	45,0	45,0	GL 22 (orig.)
1370		III	150,0	158,0	132	132,0	52,0	52,0	GL 22 (orig.)
0474		III	250,0	262,0	167	148,5	61,5	61,5	GL 22
0609		III	500,0	512,0	315	183,7	76,0	76,0	GL 25 (orig.)



Syrup bottles
Sirupflaschen – *Flacons sirop*



Veral bottles
Veralfaschen
Flacons Véral

specifications

Ref.#									
6556		III	25,0	35,0	35	76,8	30,0	30,0	PP 28 S
6324		III	30,0	35,0	47	70,5	34,2	34,2	PP 28 S
6145		III	50,0	60,0	55	81,0	40,5	40,5	PP 28 S
6306-1		III	100,0	118,0	86	96,8	51,2	51,2	PP 28 S
6146		III	125,0	140,0	102	97,5	56,0	56,0	PP 28 S
6601		III	150,0	169,0	115	111,0	56,8	56,8	PP 28 S
8430		III	200,0	226,0	125	118,5	63,0	63,0	PP 28 S
6149		III	250,0	281,0	160	133,0	65,0	65,0	PP 28 S
6330		III	500,0	548,0	285	161,0	82,0	82,0	PP 28 S
0651		III	1000,0	1090,0	485	206,2	100,6	100,6	PP 28 S

Syrup bottles
Sirupflaschen – *Flacons sirop*



Combi bottles
Kombiflaschen
Flacons combinés

specifications

Ref.#									
4071		III	50,0	60,0	50	80,5	40,0	40,0	PP 28 S
4990		III	100,0	115,0	85	97,5	51,0	51,0	PP 28 S
4078		III	150,0	170,0	88	111,0	56,5	56,5	PP 28 S
8034		III	200,0	225,0	135	122,0	62,0	62,0	PP 28 S
4079		III	250,0	280,0	154	129,5	67,5	67,5	PP 28 S
4728		III	300,0	330,0	185	136,5	71,5	71,5	PP 28 S
4261		III	500,0	550,0	285	186,9	75,0	75,0	PP 28 S
8030		III	750,0	775,0	415	223,0	80,5	80,5	PP 28 S
4263		III	1000,0	1105,0	450	231,0	96,0	96,0	PP 28 S



Shaped bottles
Formflaschen – *Flacons de forme*



Meplat bottles
Meplatflaschen
Flacons méplats

specifications

Ref.#									
1507		III	25,0	29,0	48,5	78,70	40,5	21,5	GL 18
1248		III	50,0	55,0	82,0	103,70	44,0	26,5	GL 22
1561		III	75,0	82,5	125,0	129,50	50,0	29,0	GL 22
0183		III	100,0	106,0	143,0	137,65	53,0	31,0	PP 25
1390		III	125,0	133,0	148,0	141,85	57,0	33,0	PP 25
4783,1355		III	150,0	157,0	180,0	154,00	58,2	35,5	GL22
0019		III	200,0	211,0	210,0	167,00	63,0	39,0	GL22
0018-1		III	250,0	260,0	255,0	188,60	68,5	40,5	PP 25
8404		III	500,0	515,0	440,0	219,00	87,0	51,0	PP 28 S
4161-2		III	700,0	715,0	500,0	180,00	95,0	67,8	PP 28 S

Shaped bottles
Formflaschen – Flacons de forme



Oval bottles
Ovalflaschen
Flacons ovales

specifications

Ref.#									
4858		III	125,0	137,0	148	135,0	60,0	36,0	GL 22
4018		III	200,0	235,0	200	162,0	65,5	35,5	PP 28 S
4471		III	200,0	230,0	195	157,0	66,0	46,3	Screw 7,5 R
1313		III	250,0	260,0	264	182,6	85,0	38,0	PP 28 S / MCA
1263		III	250,0	263,0	280	183,0	69,0	34,0	PP 28 S
1396		III	250,0	260,0	257	162,5	75,5	43,0	PP 28 S
11425		III	250,0	260,0	257	165,5	75,5	43,0	Screw
4773		III	380,0	393,0	355	195,0	81,1	47,5	PP 28 S
1264		III	500,0	515,0	463	219,0	86,0	50,5	PP 28 S
4740		III	1000,0	1021,0	690	264,0	108,5	63,0	PP 28 S

Shaped bottles
Formflaschen – Flacons de forme



Montana bottles
Montanaflaschen
Flacons Montana

specifications

Ref.#									
1261		III	50,0	54,0	63	103,7	43,0	24,5	PP 28 S
1266		III	100,0	109,0	125	129,4	52,0	30,5	PP 28 S
1260		III	200,0	220,0	220	180,0	64,5	37,5	PP 28 S



Dropper bottles
Tropfflaschen – Flacons goutte



Allround bottles
Allroundflaschen
Flacons goutte type
Allround

specifications

Ref.#									
1304	○	III	5,0	7,0	27,0	53,2	22,5	22,5	GL 18 (orig.)
1135	○	III	10,0	14,0	28,0	60,7	25,0	25,0	GL18 (orig.), Special
4709	○	III	10,0	13,5	26,0	61,0	25,0	25,0	GL 18 (orig.)
1136	○	III	15,0	20,0	34,0	67,7	28,5	28,5	Special
1137	○	III	20,0	25,0	38,0	72,2	29,5	29,5	GL 18 (orig.)
1137-03	○	III	20,0	23,5	35,0	72,7	28,8	28,8	GL 18 (orig.)
2736	○	III	20,0	25,0	35,5	72,2	29,5	29,5	GL 18 (orig.)
1139	○	III	30,0	36,0	45,0	80,2	33,0	33,0	GL 18 (orig.)
2737	○	III	30,0	34,0	48,0	83,2	32,5	32,5	GL 18 (orig.)
1140, 4637	○	III	50,0	58,0	63,0	91,7	38,0	38,0	GL18 (orig.), Special
1142	○	III	100,0	110,0	103,0	110,7	47,0	47,0	GL 18 (orig.)
2739	○	III	100,0	112,5	97,0	112,2	46,5	46,5	GL18 (orig.), Special

Dropper bottles
Tropfflaschen – Flacons goutte



Standard and
special dropper bottles

Standard- und
Spezial-Tropfflaschen

Flacons goutte
standards et spéciaux

specifications

Ref.#									
1135-5	○	III	10,0	13,8	26,0	60,5	25,5	25,5	GL 18 (orig.)
1391	○	III	10,0	12,0	31,0	63,7	24,2	24,2	GL 18 (orig.)
1161	○	III	10,0	12,5	28,0	62,5	24,2	24,2	GL 18 (orig.)
1161-06	○	III	10,0	12,5	27,0	61,0	24,0	24,0	GL 18
1175	○	III	10,0	14,3	22,0	62,0	23,8	23,8	Special
1322	○	III	10,0	14,0	24,0	58,0	25,4	25,4	GL 18 (orig.)
1347	○	III	10,0	16,0	23,0	63,2	25,0	25,0	GL 18 (orig.)
1379	○	III	10,0	14,0	22,0	52,2	28,0	28,0	GL 18 (orig.)
1366	○	III	15,0	18,0	33,0	69,7	26,7	26,7	GL 18 (orig.)
4180	○	III	15,0	20,0	25,0	52,0	32,0	32,0	Special
0145	○	III	20,0	25,0	33,0	66,5	30,5	30,5	GL 20
1192	○	III	20,0	25,5	40,5	78,5	28,8	28,8	Special
1340	○	III	20,0	26,0	38,0	75,2	29,8	29,8	Special
1329	○	III	22,0	25,5	34,0	74,0	29,0	29,0	GL 18 (orig.)
1367	○	III	25,0	31,0	32,0	71,0	32,5	32,5	GL 18 (orig.)
0776	○	III	25,0	30,0	38,0	70,5	32,0	32,0	GL 18 (orig.)
8119	○	III	30,0	36,0	45,0	85,2	31,8	31,8	GL 18 (orig.)
1352-7	○	III	30,0	36,5	40,0	84,7	31,0	31,0	GL 18 (orig.), Special
1123	○	III	30,0	36,0	42,0	82,5	32,0	32,0	GL 18 (orig.)
0306-3	○	III	30,0	35,0	37,0	80,0	31,0	31,0	GL 20
0344-6	○	III	30,0	35,0	42,0	79,0	32,4	32,4	Special

Continued on next page

Standard and special dropper bottles
Standard- und Spezial-Tropfflaschen
Flacons goutte standards et spéciaux

specifications

Ref.#									
Continued from previous page									
5000-1	○	III	40,0	46,0	56,0	78,7	37,0	37,0	Special
0263	○	III	50,0	56,5	60	88,5	38,2	38,2	Special
1369	○	III	50,0	53,0	60	92,0	36,5	36,5	GL 18 (orig.)
1393	○	III	50,0	56,0	55	91,7	37,0	37,0	GL 18 (orig.)
1392	○	III	50,0	57,0	54	90,6	37,0	37,0	GL 18 (orig.)
1392-01	○	III	50,0	57,0	54	90,0	37,0	37,0	GL 20
1398	○	III	50,0	57,5	60	90,0	39,0	39,0	GL 18 (orig.)
4182	○	III	50,0	58,0	57	76,2	42,5	42,5	GL 18, Special
1593-1	○	III	60,0	70,0	85	95,7	42,0	42,0	GL 18 (orig.)
0482-1	○	III	75,0	81,0	98	122,7	38,5	38,5	GL 18 (orig.)
0463-3	○	III	100,0	108,0	92	109,5	45,0	45,0	GL 20
0772-5	○	III	100,0	113,0	87	106,9	46,5	46,5	Special
8120	○	III	100,0	108,0	93	116,2	45,0	45,0	GL 18 (orig.)
1348	○	III	100,0	106,0	100	113,2	45,5	45,5	GL 18 (orig.)
1348-09	○	III	100,0	112,5	100	111,7	46,5	46,5	GL 18 (orig.), Special
4713	○	III	100,0	120,0	106	107,0	52,0	52,0	GL 18 (orig.)

Tablet bottles
Tablettengläser – *Piluliers*



Screw-thread bottles
Schraubgewinde
Bague à vis

specifications

Ref.#									
6502		III	30,0	40,0	46	73,4	33,0	33,0	PP 31,5 S
6113		III	30,0	30,0	45	61,8	33,5	33,5	PP 31,5 S
3087		III	35,0	46,0	58	62,5	43,0	43,0	PP 31,5 S
8385		III	50,0	65,0	65	77,0	43,0	43,0	PP 31,5 S
6114		III	50,0	57,0	73	73,5	43,0	43,0	PP 31,5 S
4937		III	69,0	69,0	75	82,0	43,0	43,0	PP 31,5 S
6115		III	70,0	77,0	80	84,5	44,5	44,5	PP 31,5 S
6588		III	85,0	103,0	86	81,5	51,0	51,0	PP 31,5 S
1082		III	75,0	93,0	170	133,0	63,5	63,5	PP 31,5 S
1503		III	100,0	120,0	110	95,0	53,0	53,0	PP 31,5 S
1578		III	112,0	122,0	104	97,0	52,3	52,3	PP 31,5 S
6582		III	125,0	140,0	90	105,5	51,0	51,0	PP 31,5 S
6583		III	150,0	165,0	100	120,0	51,0	51,0	PP 31,5 S

Tablet bottles
Tablettengläser – *Piluliers*



Screw-thread bottles
Schraubgewinde
Bague à vis

specifications

Ref.#									
1564		III	50,0	55,5	55	70,0	40,0	40,0	PP 35 S
1231		III	85,0	94,0	92	94,0	46,8	46,8	PP 35 S
1565		III	100,0	128,0	99	113,0	47,0	47,0	PP 35 S
1190		III	200,0	221,5	168	121,0	61,0	61,0	PP 35 S
6586		III	35,0	48,0	60	54,5	45,5	45,5	PP 38 S
6587		III	60,0	83,0	75	68,0	51,0	51,0	PP 38 S
4733		III	75,0	87,0	99	87,0	46,3	46,3	PP 38 S
6588		III	85,0	103,0	86	81,5	51,0	51,0	PP 38 S
6589		III	160,0	168,0	127	103,5	57,0	57,0	PP 38 S

Tablet bottles
Tablettengläser – *Piluliers*



Screw-thread bottles
Schraubgewinde
Bague à vis

specifications

Ref.#									
1505		III	10,0	13,0	21,0	49,5	24,7	24,7	Special
1625		III	15,0	18,0	25,0	50,0	29,5	29,5	Special
4920		III	20,0	31,5	37,0	56,0	36,0	36,0	Special
1602		III	30,0	38,0	47,0	71,0	34,7	34,7	PP 28 S
4885		III	30,0	32,5	45,0	64,7	34,0	34,0	PP 28 S
8130		III	40,0	42,5	53,0	57,0	45,0	45,0	PP 28 S
8076		III	35,0	35,5	50,0	65,4	36,0	36,0	RD 28
4956		III	40,0	41,5	48,5	70,0	36,0	36,0	Special
8048		III	60,0	62,0	66,0	73,0	45,0	45,0	PP 28 S
8077		III	65,0	68,0	79,0	79,3	42,5	42,5	RD 35
4954		III	70,0	81,5	83,0	84,0	45,0	45,0	Special
4968		III	100,0	100,5	110,0	101,0	45,0	45,0	Special
8188		III	160,0	180,0	136	123,0	53,0	53,0	Special
4379		III	300,0	322,0	190	126,4	67,0	67,0	PP 53 S

Tablet bottles
Tablettengläser – *Piluliers*



Impact neck finish Series A
Aufprellverschluss Serie A
Cap-to-cap Série A

specifications

Ref.#									
8093		III	75,0	85,0	62	85,8	42,0	42,0	34,10
4484-3		III	125,0	143,5	87	89,2	53,5	53,5	32,35
8094		III	175,0	185,0	110	110,0	53,5	53,5	34,80



Tablet bottles
Tablettengläser – *Piluliers*



Impact neck finish Series B
Aufprellverschluss Serie B
Cap-to-cap Série B

specifications

Ref.#									
6546	○	III	10,0	17,0	16,0	46,2	26,6	26,6	22,70
6595	○	III	5,0	13,5	16,0	39,5	26,6	26,6	22,70
6596	○	III	10,0	18,3	18,0	41,0	30,0	30,0	25,80
6585	○	III	15,0	20,0	25,0	48,5	30,0	30,0	26,46
6319	○	III	15,0	23,0	24,0	51,0	30,0	30,0	25,80
6543	○	III	20,0	26,0	25,0	59,6	29,2	29,2	22,70
6307	○	III	28,0	28,3	29,0	60,5	30,0	30,0	25,80
1590	○	III	40,0	43,0	38,0	48,5	40,0	40,0	36,05
6318	○	III	40,0	44,5	37,0	68,0	35,0	35,0	25,80
6074	○	III	40,0	47,0	46,0	55,5	39,8	39,8	36,05
8412	○	III	50,0	56,0	42,5	62,5	40,0	40,0	36,05
6315	○	III	50,0	72,0	46,0	74,0	42,0	42,0	25,80
1516	○	III	75,0	83,0	58,0	62,5	50,0	50,0	36,05
1517	○	III	80,0	97,0	66,0	70,5	50,0	50,0	36,05
1664	○	III	100,0	112,0	70,0	79,5	50,0	50,0	28,80
1518	○	III	125,0	135,0	87,0	93,9	50,0	50,0	36,05
1521	○	III	150,0	160,0	83,0	106,7	50,0	50,0	36,05
6636-2	○	III	200,0	215,0	129,0	96,5	63,0	63,0	36,05

Tablet bottles
Tablettengläser – *Piluliers*



Interpharma

specifications

Ref.#									
4951	○	III	35,0	48,0	63	52,7	45,5	45,5	40,50
4980	○	III	60,0	80,0	81	68,0	50,0	50,0	40,50
4982	○	III	85,0	100,0	90	81,5	50,0	50,0	40,50
4983	○	III	125,0	134,0	114	103,5	50,0	50,0	40,50
4984	○	III	160,0	195,0	134	86,0	65,0	65,0	55,90
4985	○	III	160,0	174,0	130	103,5	57,0	57,0	40,50
4986	○	III	250,0	285,0	196	121,5	65,0	65,0	55,90
4987	○	III	400,0	443,0	256	141,0	75,0	75,0	55,90
4988	○	III	630,0	650,0	370	163,8	85,0	85,0	55,90
4989	○	III	1000,0	1013,0	435	179,0	100,0	100,0	55,90



Wide-mouth jars
Weithalsgläser – Pots à large ouverture



Screw-threads
Schraubgewinde
Bague à vis

specifications

Ref.#									
0755		III	25,0	31,0	40	57,0	36,0	36,0	GL 28
6063		III	30,0	40,0	50	68,0	36,0	36,0	GL 32
6064		III	50,0	64,0	65	75,0	44,0	44,0	GL 32
6057		III	50,0	64,5	72	66,5	44,0	44,0	Jaycap 43
6065		III	75,0	92,0	85	79,0	48,5	48,5	GL 40
6061		III	100,0	115,0	100	92,5	50,0	50,0	GL 40
6062		III	100,0	105,0	102	85,5	48,5	48,5	GL 45
6066		III	125,0	140,0	110	95,0	54,0	54,0	GL 45
6207		III	150,0	170,0	130	104,0	57,0	57,0	GL 45
4278		III	150,0	180,0	105	62,5	71,0	71,0	Special
6132		III	200,0	230,0	185	109,0	63,0	63,0	GL 55
6128		III	250,0	280,0	200	113,0	69,0	69,0	GL 55
6296		III	300,0	330,0	230	127,0	70,0	70,0	GL 55
4279		III	300,0	333,0	161	107,5	71,0	71,0	Special
6013		III	500,0	565,0	335	154,0	84,0	84,0	GL 55
6016		III	1000,0	1080,0	560	180,5	103,5	103,5	GL 68

Cream pots
Cremetiegel – Pots crème



Cream pots
Cremetiegel
Pots crème

specifications

Ref.#								
1502-1		III	15,0	24,0	38	46,00	35,5	GL 31,5
6043-4		III	30,0	32,0	45	39,00	42,5	GL 31,5 Special
8147		III	30,0	35,0	46	42,00	43,0	RD 40
4477		III	50,0	69,0	69	61,50	46,5	GL 45
1-8376		III	80,0	80,0	107	143,15	40,2	Screw
4650		III	50,0	60,5	64	56,50	46,5	GL 42
6094		III	60,0	63,0	68	44,00	53,5	Screw
4892		III	60,0	75,5	86	49,50	56,3	Screw
6254		III	70,0	80,0	76	68,00	47,0	Screw
8179		III	100,0	120,0	95	68,50	56,1	Screw

Injection bottles
Injektionsflaschen – *Flacons antibiotiques*



Injection bottles
Injektionsflaschen
Flacons antibiotiques

specifications

Ref.#								
8179	○	I	3,5	7,0	10	34,0	21,0	21,0
8033	○	I	10,0	15,0	20	49,0	27,0	27,0
S0407	○	I	10,0	14,0	20	53,0	25,0	25,0
7775	○	I	15,0	21,0	24	55,0	30,0	30,0
1241	○	III	15,0	18,2	24	62,5	25,0	25,0
1389	○	III	15,0	17,0	26	58,5	26,5	26,5
1343	○	III	17,0	17,0	24	58,8	26,5	26,5
8819	○	I	20,0	27,0	33	58,0	32,0	32,0
S0205	○	I	20,0	27,0	30	58,0	32,0	32,0
0281	○	II / III	20,0	26,0	29	58,0	32,0	32,0
8820	○	I	30,0	40,0	40	65,0	37,0	37,0
S0019D	○	I	30,0	38,0	38	63,0	36,0	36,0
1377	○	II / III	30,0	38,0	35	62,8	36,0	36,0
8818	○	I	50,0	63,0	57	74,0	43,0	43,0
S0018B1	○	I	50,0	61,0	51	73,0	42,0	42,0
1045	○	III	50,0	64,0	40	73,0	42,5	42,5
0587	○	II / III	50,0	60,0	50	73,0	42,5	42,5
8160	○	I	60,0	74,0	58	79,0	44,0	44,0
8946	○	I	100,0	125,0	80	94,0	52,0	52,0
S0023B1	○	I	100,0	124,0	92	94,5	51,0	51,0
1378	○	II / III	100,0	119,0	89	94,5	51,6	51,6
7752	○	I	200,0	245,0	164	114,0	65,0	65,0

Infusion bottles
Infusionsflaschen – *Flacons perfusion*



Infusion bottles
Infusionsflaschen
Flacons perfusion

specifications

Ref.#								
CA 2318	○	I	50,0	68,0	55	68,0	46,0	46,0
6328	○	II	50,0	68,0	55	68,0	46,0	46,0
6051-05	○	II	50,0	77,0	70	75,0	46,0	46,0
CA 2326	○	I	100,0	125,0	95	104,0	49,0	49,0
CA 2300	○	I	100,0	125,0	95	104,0	49,0	49,0
6343	○	II	100,0	125,0	95	104,0	49,0	49,0
6281	○	II	100,0	141,0	105	105,8	52,0	52,0
6281-01	○	II	100,0	141,0	105	105,8	52,0	52,0
6332	○	II	125,0	147,0	95	98,0	54,4	54,4
6164	○	II	150,0	207,0	142	102,5	66,0	66,0
CA 2304	○	I	250,0	308,0	170	136,0	66,0	66,0
6199	○	II	250,0	308,0	170	136,0	66,0	66,0
6305	○	II	250,0	313,0	160	134,5	67,0	67,0
6305-01	○	II	250,0	313,0	160	134,5	67,0	67,0
6244-01	○	II	250,0	297,0	150	125,0	68,1	68,1
CA 2305	○	I	500,0	588,0	288	177,0	78,0	78,0
6289	○	II	500,0	588,0	225	177,0	78,0	78,0
6282	○	II	500,0	582,0	260	177,0	78,6	78,6
6282-01	○	II	500,0	582,0	260	177,0	78,6	78,6
6245-01	○	II	500,0	570,0	220	147,0	86,0	86,0
6359-1	○	II	1000,0	1120,0	385	225,0	95,0	95,0

Transfusion bottles
Transfusionsflaschen – *Flacons transfusion*



Transfusion bottles
Transfusionsflaschen
Flacons transfusion

specifications

Ref.#									
11		II	500,0	600,0	430	207,0	78,0	78,0	Screw



Chemical / Technical
Chemisch-Technisch – *Pour produits chimiques/techniques*



Chemical/Technical
Chemisch-Technisch
Flacons perfusion

specifications

Ref.#									
2769		III	1000,0	1160,0	650	219,2	101,0	101,0	Special
3922		III	1250,0	1378,0	723	248,2	101,0	101,0	Special
8792		III	2500,0	2750,0	1350	286,5	138,0	138,0	Special
6002		III	2500,0	2800,0	1310	297,5	147,5	147,5	Special



A



European
product range

Page 25 – 51



B



North American
product range

Page 53 – 63

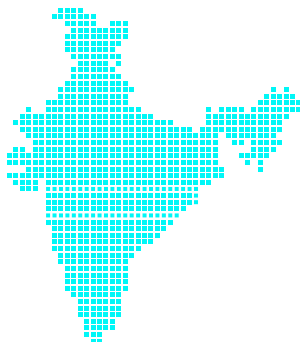


C



Indian
product range

Page 65 – 74



North American product range

B 1		Moulded Serum Bottle	p. 54
B 2		Wide Mouth Packer	p. 57
B 3		Narrow Mouth IV	p. 58
B 4		Boston Round	p. 60
B 5		Peroxide Bottle	p. 60
B 6		Screw Neck Blake	p. 61
B 7		Shelf Line S/N Blake	p. 61
B 8		Iodine Bottle	p. 62
B 9		Science Bottle	p. 63
B 10		Animal Health	p. 63

Moulded Serum Bottle

13 mm Finish Serum



specifications 13 mm finish serum

Ref.#									
9542		I	3,0	4	13,6	41,3	21,4	(N/A)	13,00
7233		I	5,0	7,2	11	39,0	21,0	21,0	13,00
S792		I	6,0	9	15,9	46,8	23	(N/A)	13,00
8125		I	10,0	15,1	15	48,0	27,0	27,0	13,00
7496		I	20,0	26,1	31	59,0	33,0	33,0	13,00

specifications 20 mm finish serum

8179		I	3,5	6,6	10	34,0	21,0	21,0	20,00
7774		I	5,0	7,3	13	39,0	21,0	21,0	20,00
8033		I	10,0	15,0	20	49,0	27,0	27,0	20,00

Continued on next page

All bottles listed above are manufactured in type I.
All bottles are available in flint (clear) and amber (brown) glass.

20 mm Finish Serum



Moulded Serum Bottle

20 mm Finish Serum

specifications 20 mm finish serum

Ref.#									
8819		I	20,0	26,6	33	59,0	33,0	33,0	20,00
S0019D		I	30,0	38,0	38	63,0	36,0	36,0	20,00
8820		I	30,0	39,6	40	65,0	37,0	37,0	20,00
8818		I	50,0	63,3	57	73,0	43,0	43,0	20,00
8946		I	100,0	125,0	80	94,0	52,0	52,0	20,00
7752		I	200,0	245,0	164	114,0	65,0	65,0	20,00
7844		I	6,0	10,1	16	47,0	23,0	23,0	20,00
8706		I	10,0	15,1	19	53,0	25,0	25,0	20,00
S0407		I	10,0	14,0	20	53,0	25,0	25,0	20,00
S0205		I	20,0	27,0	30	58,0	32,0	32,0	20,00
7847		I	30,0	38,1	42	76,0	33,0	33,0	20,00
S0018B1		I	50,0	61,0	51	73,0	42,0	42,0	20,00
9280		I	50,0	61,0	57	83,0	40,0	40,0	20,00
7848		I	60,0	73,6	61	90,0	40,0	40,0	20,00
7849		I	100,0	125,8	96	109,0	48,0	48,0	20,00
8149		I	125,0	156,7	103	106,0	54,0	54,0	20,00
S883		I	2,5	3,2	18,7	39,3	21	(N/A)	20,00
S0407		I	10	14,5	19,6	53,2	25,4	(N/A)	20,00
S3472		I	10	14,5	19	53,2	25	(N/A)	20,00
S709B		I	15	19,5	24,7	54,8	22,2	(N/A)	20,00
S0205		I	20	26	30	58,3	32,1	(N/A)	20,00
8299		I	50	60,5	51,4	73	43,4	(N/A)	20,00
S1227		I	60	72	62	79,8	44	(N/A)	20,00

All bottles listed above are manufactured in type I.
All bottles are available in flint (clear) and amber (brown) glass.

Many bottles are available with different neck styles and sizes. The ones listed are the most common.
Please contact the account executive for more details.

Moulded Serum Bottle



32 mm Finish ISO Serum

specifications

Ref.#									
2318		I	50,0	68,0	55	68,0	46,0	46,0	32,00
2300		I	100,0	125,0	95	104,0	49,0	49,0	32,00
2321		I	150,0	207,0	139	103,0	66,0	66,0	32,00
2304		I	250,0	308,0	170	136,0	66,0	66,0	32,00
2305		I	500,0	588,0	289	177,0	78,0	78,0	32,00

All bottles listed above are manufactured in type I. All bottles are available in flint (clear) and amber (brown) glass.

Many bottles are available with different neck styles and sizes. The ones listed are the most common. Please contact the account executive for more details.

Wide Mouth Packer



Wide Mouth Packer

specifications

Ref.#									
S0902R		III	6,0	8,4	18	44,0	24,0	24,0	400-20
S0845XR		III	8,5	11,8	21	52,0	25,0	25,0	400-20-405
S0983R		III	10,0	13,5	21	49,0	28,0	28,0	400-20-405
S1005R4		III	15,0	22,0	28	51,0	31,0	31,0	400-28
S0984R		III	20,0	24,5	36	54,0	33,0	33,0	400-28
S0985R3		III	30,0	39,0	46	66,0	37,0	37,0	400-28 CR
S0953R4X		III	40,0	49,7	60	77,0	38,0	38,0	33 Pour Out
S0940R4		III	50,0	55,5	62	70,0	42,0	42,0	400-33 CR
S0941R6		III	60,0	70,0	71	76,0	45,0	45,0	400-33 CR
S0947R3		III	75,0	89,5	82	82,0	47,0	47,0	400-38 CR
S0948R2X		III	100,0	112,0	89	88,0	50,0	50,0	400-38 CR
S0949R2		III	150,0	171,0	131	100,0	58,0	58,0	400-45-405 CR
M1053R		III	200,0	225,0	138	111,0	62,0	62,0	400-45-405
L0770R		III	250,0	274,5	168	120,0	65,0	65,0	400-45-405 CR
L0768R		III	300,0	335,0	196	127,0	69,0	69,0	400-53-405
L0769R		III	400,0	437,0	216	138,0	75,0	75,0	400-53-405
L0779R		III	500,0	533,4	270	198,0	81,0	81,0	400-53-405
L0135RX		III	625,0	640,0	319	155,0	86,0	86,0	400-53
L0692R		III	750,0	803,2	346	167,0	93,0	93,0	400-53-405
L0693R		III	950,0	1002,7	388	180,0	100,0	100,0	400-53-405
L0694R		III	1250,0	1275,0	503	192,0	107,0	107,0	400-70-405
L0672R		III	2500,0	2759,7	921	241,0	141,0	141,0	400-70-405

Narrow Mouth IV



Graduated
Narrow Mouth IV

specifications

Ref.#									
9235		I	100,0	139,4	103	113,0	51,0	51,0	28,00
9224		I	200,0	262,0	170	136,0	63,0	63,0	28,00
8697		I	500,0	651,8	326	185,0	84,0	84,0	28,00

All bottles listed above are manufactured in type I.
All bottles are available in flint (clear) and amber (brown) glass.

Many bottles are available with different neck styles and sizes. The ones listed are the most common.
Please contact the account executive for more details.

Narrow Mouth IV



28 mm Finishes
Narrow Mouth IV

specifications

Ref.#									
9444		I	100,0	128,0	113	104,0	50,0	50,0	28,00
9422		I	200,0	237,7	166	131,0	61,0	61,0	28,00
9424		I	250,0	304,9	191	151,0	64,0	64,0	28,00
9419		I	500,0	660,5	305	185,0	84,0	84,0	28,00
9420		I	1000,0	1225,4	528	223,0	101,0	101,0	28,00
L900		II	250,0	383,5	229	153,6	70,7	70,7	28,00
L901		II	500,0	587,9	313	185,8	78,0	78,0	28,00
L705		II	1000,0	1201,5	580	223,0	100,8	100,8	28,00

specifications with bailbands

9262		I	100,0	128,0	113	105,0	51,0	51,0	28,00
------	--	---	-------	-------	-----	-------	------	------	-------

All bottles listed above are manufactured in type I.
All bottles are available in flint (clear) and amber (brown) glass.

Many bottles are available with different neck styles and sizes. The ones listed are the most common.
Please contact the account executive for more details.

Boston Round



specifications boston round

Ref.#									
S0638R4		III	15,0	17,0	27	68,0	26,0	26,0	400-18-405
S0766R5W		III	30,0	33,0	37	79,0	31,0	31,0	400-20
S4588R		III	60,0	64,0	62	94,0	40,0	40,0	400-20-405
S4589R		III	120,0	128,0	98	112,0	49,0	49,0	400-22-405 CR
M1113R		III	240,0	250,0	164	136,0	60,0	60,0	400-24-405
L0134R		III	480,0	493,0	284	168,0	75,0	75,0	400-28

specifications peroxide bottle

RS1626R		III	120,0	136,1	99	122,0	49,0	49,0	400-24
M0287R		III	240,0	273,0	198	151,0	61,0	61,0	400-24

Peroxide Bottle



Screw Neck Blake



specifications screw neck blake

Ref.#									
S1067R		III	30,0	35,0	46	76,0	923,0	667,0	400-22
S1022R		III	60,0	68,1	70	98,0	1128,0	769,0	400-28
S1000RX		III	90,0	101,5	97	107,0	1282,0	897,0	400-28
S1045R		III	120,0	132,0	113	116,0	1359,0	949,0	400-28
L0257R1		III	480,0	502,0	388	197,0	1974,0	1462,0	430-28

specifications shelf line s/n blake

S1337R1		III	15,0	19,5	31	56,0	31,0	25,0	400-22 CR
S2136R		III	30,0	37,5	51	70,0	41,0	28,0	400-28
S2471R		III	50,0	58,0	74	81,0	45,0	33,0	400-33 Special
S1483R1P		III	75,0	89,6	87	92,0	50,0	34,0	400-33-405 CR
S1306R1		III	100,0	114,0	113	99,0	52,0	41,0	400-33
S1307R		III	120,0	138,5	128	112,0	52,0	41,0	400-33
S1308R		III	150,0	171,0	128	129,0	52,0	42,0	400-33

Iodine Bottle



Iodine Bottle

specifications

Ref.#									
S3819R		III	7,0	10,9	27	56,0	23,0	23,0	400-18-405
S3821R		III	15,0	16,6	38	66,0	26,0	26,0	400-18-405
S3822R		III	30,0	33,5	50	79,0	31,0	31,0	400-18-405

Science Bottles



specifications science bottles

Ref.#									
8904		I	100,0	157,0	142	119,0	55,0	55,0	33,00
9362		I	250,0	333,6	227	147,0	70,0	70,0	33,00
8918		I	500,0	705,9	337	186,0	88,0	88,0	33,00
9309		I	1000,0	1184,0	553	222,0	102,0	102,0	33,00

specifications animal health

13311		I	250,0	279,0	199	159,0	60,0	60,0	30,00
9410		I	500,0	539,5	284	193,0	75,0	75,0	30,00

All bottles listed above are manufactured in type I. All bottles are available in flint (clear) and amber (brown) glass.

Animal Health



Many bottles are available with different neck styles and sizes. The ones listed are the most common. Please contact the account executive for more details.

A



European
product range

Page 25 – 51



B



North American
product range

Page 53 – 63

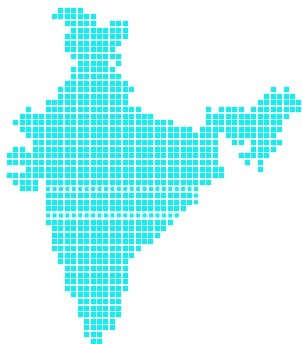


C



Indian
product range

Page 65 – 74



Indian product range

C1		Type I bottles National	p. 66
		Type I bottles Victory	p. 67
		Type I bottles Metro	p. 68
		Type I bottles Eros-N	p. 68
		Type I bottles Others	p. 69



C2		Type I / Infusion bottles WOM	p. 70
		Type I / Infusion bottles DIN	p. 70
		Type I / Infusion bottles P/N	p. 71
		Type I / Infusion bottles Others	p. 72

C3		Type III bottles Eros	p. 73
		Type III bottles Atlas	p. 73
		Type III bottles Galaxy	p. 74
		Type III bottles Others	p. 74

Type I bottles



National

specifications

Ref.#									
B - 1020		I	3	5,50	10,00	30,00	21,50	21,50	20 STD
B - 1030		I	5	10,00	15,00	39,00	24,62	24,62	20 STD
B - 1010		I	10	14,25	19,50	50,00	25,00	25,00	20 STD
B - 1040		I	12	16,50	21,00	53,00	26,00	26,00	20 STD
B - 2011		I	15	19,50	23,50	57,00	27,00	27,00	20 STD
B - 2020		I	20	26,75	27,00	57,50	32,00	32,00	20 STD

Production in amber on request

Type I bottles



Victory

specifications

Ref.#									
B - 1051		I	5	8,80	14,50	36,20	24,50	24,50	20 STD
B - 1060		I	10	15,00	21,50	53,00	25,50	25,50	20 STD
B - 2072		I	15	19,50	23,50	57,00	26,85	26,85	20 STD
B - 3010		I	30	37,00	39,00	61,50	37,87	37,87	20 STD
B - 4010		I	50	67,00	52,00	73,50	44,25	44,25	20 STD
B - 5010		I	100	131,00	97,00	96,50	53,00	53,00	20 STD

Production in amber on request

Type I bottles

Metro



Eros-N



specifications metro

Ref.#									
B - 1210		I	2	3,00	7,00	35,64	15,60	15,60	13 STD
B - 1190		I	3	4,00	7,50	37,50	16,50	16,50	13 STD
B - 1570		I	3	4,30	10,00	31,50	21,50	21,50	13 SPL
B - 1080		I	5	8,00	13,75	41,28	22,50	22,50	13 STD
B - 1200		I	10	12,75	18,50	47,00	26,25	26,25	14 STD

specifications eros-n

B - 2200		I	15	17,00	22,50	57,50	25,50	25,50	20 STD
B - 3050		I	30	37,50	39,00	66,50	35,00	35,00	20 STD

Production in amber on request

Type I bottles



Others

specifications

Ref.#									
B - 1280		I	10	13,20	18,50	52,50	25,40	25,40	13 SOC
B - 1170 Delta		I	10	15,50	25,50	58,00	26,00	26,00	22 PP
B - 1110		I	10	15,50	19,50	45,50	28,00	28,00	20 STD
B - 4071		I	50	60,00	51,00	73,00	42,50	42,50	20 EURO

Production in amber on request



Type I / Infusion bottles (Saline)

Without Marking



DIN



specifications without marking

Ref.#									
B - 4150		I	50	76,00	68,00	75,00	46,50	46,50	32 PN
B - 5080		I	100	135,00	98,00	103,50	51,50	51,50	32 PN

specifications din

B - 4131		I	50	68,00	62,00	68,00	46,00	46,00	32 DIN
B - 5161		I	100	125,00	98,00	104,25	49,00	49,00	32 DIN

Production in amber on request

Type I / Infusion bottles (Saline)

Plain Neck with Marking



specifications

Ref.#									
B - 5032		I	100	135,00	98,00	103,50	51,50	51,50	32 PN
B - 5170		I	100	135,00	98,00	103,50	51,50	51,50	32 PN
B - 6191		I	200	240,00	180,00	137,00	60,50	60,50	32 PN/SPL
B - 6210		I	250	297,00	210,00	143,00	63,50	63,50	32 PN
B - 6152		I	500	615,00	385,00	177,00	81,50	81,50	33 PN

Production in amber on request



Type I / Infusion bottles (Saline)



Others

specifications

Ref.#									
B - 5050		I	100	125,00	97,50	104,00	49,00	49,00	34 DIN
B - 5111		I	100	125,00	98,00	104,25	49,00	49,00	33 PN

Production in amber on request



Type III bottles

Eros



Atlas



specifications eros

Ref.#									
B - 1300		III	7,5	8,50	14,00	36,20	24,60	24,60	20 STD
B - 1230		III	10	13 (Min)	19,50	51,00	24,60	24,60	20 STD
B - 2100 (R)		III	10	14,00	19,50	50,00	25,00	25,00	20 STD
B - 2100		III	15	17,00	22,50	57,50	25,50	25,50	20 STD

specifications atlas

B - 1440		III	3	6,50	10,75	36,10	21,00	21,00	20 STD
B - 2060		III	20	26,75	29,00	57,50	32,00	32,00	20 STD

Production in amber on request

Type III bottles

Galaxy



Others



specifications galaxy

Ref.#									
B - 1620		III	10	11,00	16,50	46,80	23,00	23,00	20 ISO
B - 2220		III	15	17,00	24,00	58,80	26,50	26,50	20 ISO
B - 3070		III	24	26,00	28,50	58,00	32,00	32,00	20 ISO

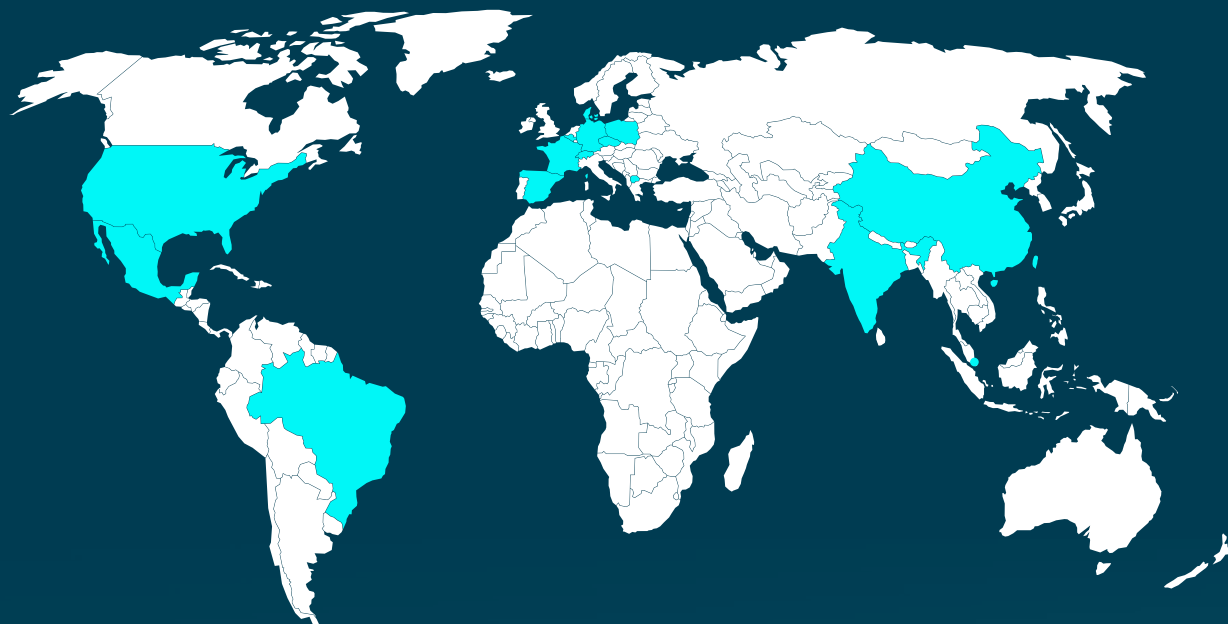
specifications others

B - 1251 Regal		III	5	10,00	14,50	39,00	24,62	24,62	20 STD
B - 1351		III	7	8,75	13,50	40,70	22,00	22,00	20 EXP
B - 1320 Mars		III	7,5	10,00	18,50	46,75	23,00	23,00	20 EXP
B - 2090		III	20	28,50	29,00	69,50	29,50	29,50	20 STD

Production in amber on request



Gerresheimer worldwide



Primary Packaging Glass

Gx® ampoules, Gx® vials and Gx® cartridges

Gerresheimer Boleslawiec S.A. (Poland)

Gerresheimer Chalon SAS (France)

Gerresheimer Glass Inc. (USA)

Gerresheimer Pharmaceutical Packaging
Mumbai PVT. LTD. (India)

Gerresheimer Querétaro S.A. (Mexico)

Gerresheimer Shuangfeng
Pharmaceutical Glass Co. Ltd. (China)

Gerresheimer Wertheim GmbH (Germany)

More information

Europe/Asia	info-tg-euas@gerresheimer.com
Americas	info-tg-us@gerresheimer.com
India	info-tg-in@gerresheimer.com

Gx® bottles and jars

Gerresheimer Essen GmbH (Germany)

Gerresheimer Glass Inc. (USA)

Gerresheimer Lohr GmbH (Germany)

Gerresheimer Tettau GmbH (Germany)

Neutral Glass & Allied Industries PVT. LTD. (India)

More information

Europe	info-mg-pharma-eu@gerresheimer.com
Americas	info-mg-pharma-us@gerresheimer.com
India	info-mg-pharma-in@gerresheimer.com

COP vials

Gerresheimer Boleslawiec S.A. (Poland)

More information

Europe	wolfgang.dirk@gerresheimer.com
Americas	franck.langet@gerresheimer.com
Asia	jari.tevajarvi@gerresheimer.com