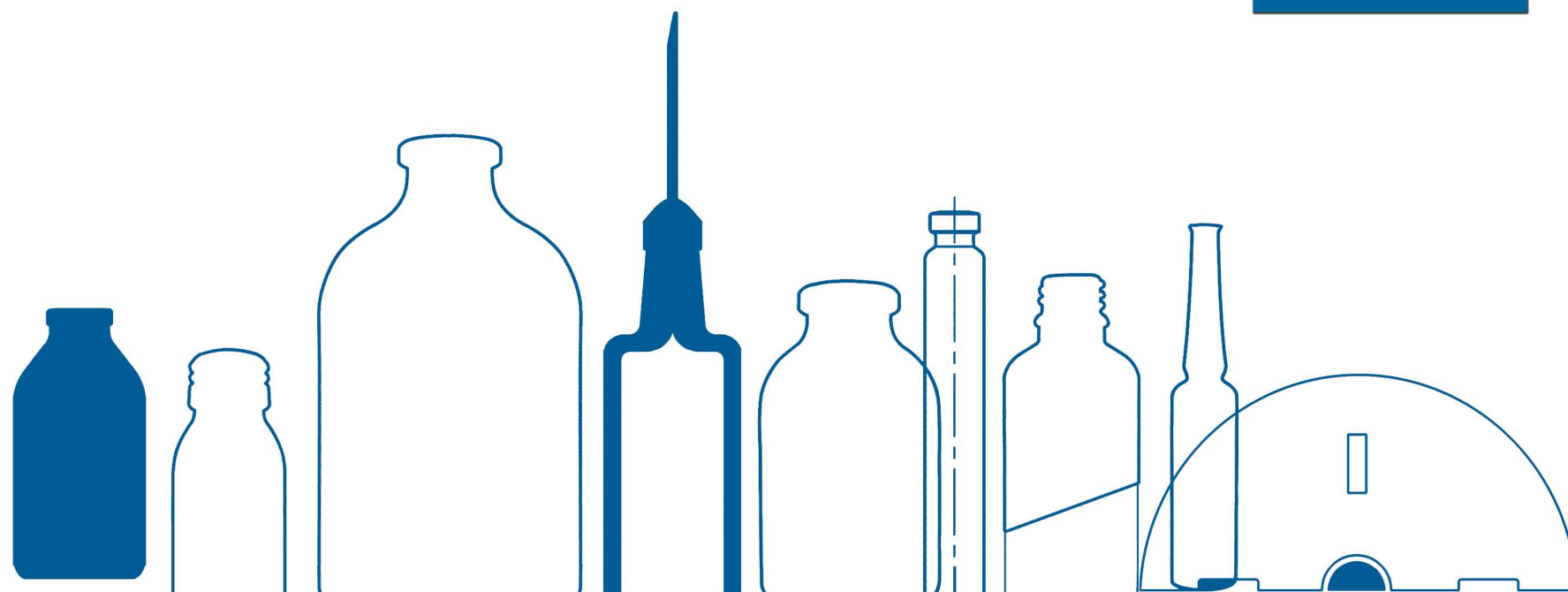




山东省药用玻璃股份有限公司

Shandong Pharmaceutical Glass Co.,Ltd

Shandong Pharmaceutical Glass Co., Ltd.

Specialized for Pharmaceutical Glass Packaging with Its Accessories

Shandong Pharmaceutical Glass Co., Ltd is one of the largest manufacturers of pharmaceutical packaging in China, established in 1970 with a registered capital of approximate USD42.3million. We possess the most advanced manufacturing technology and expertise in this field. Our products cover various containers used for food, syrups, medicine and other pharmaceutical preparations, such as Moulded injection vials for antibiotics, Medical glass tubes, Ampoules, Tube vials for antibiotics, Amber glass bottle, food and cosmetic bottles, Infusion bottles, Butyl rubber stoppers, Al-plastic multi caps, Prefillable-syringe, Dental glass cartridge and PP stoppers for soft infusion bags.

The range covers eleven major series of 1000 kinds of products with differing specifications. Among them our moulded glass vials and bottles are in conformity with USP Type I, II, III. The annual production of our leading products reaches more than 9 billion pieces. Our products are sold to more than 1000 pharmaceutical manufacturers here in China, including many provinces, cities, autonomous regions. We also export to further field in world. Our products can be found in Korea, Pakistan, India, Thailand, Philippines, Vietnam, Indonesia, Middle Asia, Middle East, USA, Australia, North Africa, Eroup and South America.

Our company has been the leader in Pharmaceutical glass packaging in China by passing both the ISO9001 Quality Management System Certification, and the ISO14001 Environment Management Authentication.

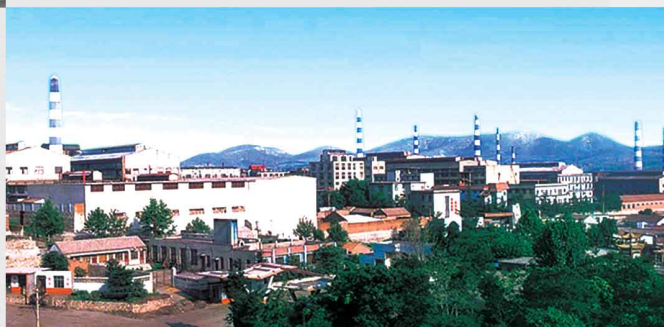
Since June 3rd 2002, our company has been listed in Shanghai Stock Exchange with 32 million A shares. Up to now, the value of our share is quite buoyant with upward tendency. We are confident to say that we have opened a new chapter for the prosperous development of our company.

我公司是目前国内规模最大、产品质量水平最高的药用玻璃包装制造商，有着40多年的生产历史，雄厚的经济实力，丰富的生产经验，先进的制造技术，精良的技术装备，专为国内外医药生产企业提供优质的产品和完善的服务。产品覆盖医药、食品用的玻璃包装容器及其辅助性配件，主要包括模制和管制抗生素瓶、药用玻璃管、安瓶、棕色瓶、输液瓶、食品瓶、日化瓶、丁基橡胶塞、铝塑组合盖、注射器用活塞以及软输液用PP塞等，产品规格多达1000多种。其中模制抗生素瓶是我公司主导产品，产品符合USPI,II,III要求，其年产量达90多亿只，拥有全国70%以上的市场。产品销往除西藏以外的国内所有省、市、自治区的1000余家医药企业外。同时，我公司产品还出口到韩国、巴基斯坦、印度、泰国、菲律宾、越南、印尼、中东、中亚、澳大利亚、美国、北非、欧洲、南美等近九十个国家和地区。

我公司在同行业中率先通过了ISO9001质量管理体系认证和ISO14001环境管理体系认证。2002年6月3日，公司在沪市挂牌上市，股票上市为公司的未来发展揭开了新的篇章。



Shandong Pharmglass
*aims to be the leading supplier,
 endlessly pursuing enhanced
 performance and perfect service*



View of Pharmglass Plants



A 艾姆哈特6段3滴料行列制瓶機
 Emhart 6 Section TG I.S. Machine

B 艾姆哈特8段3滴料行列制瓶機
 Emhart 8 Section TG I.S. Machine

C 丁基膠塞硫化工序
 Vulcanization Process for Butyl Rubber Stopper



Rubber & Plastic Packaging Plants



A



B



C

Legend

圖標



Reference



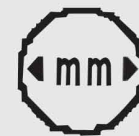
Filling capacity



Weight



Height



Diameter



Nominal capacity



Brimful capacity



Ring finish



Screw finish

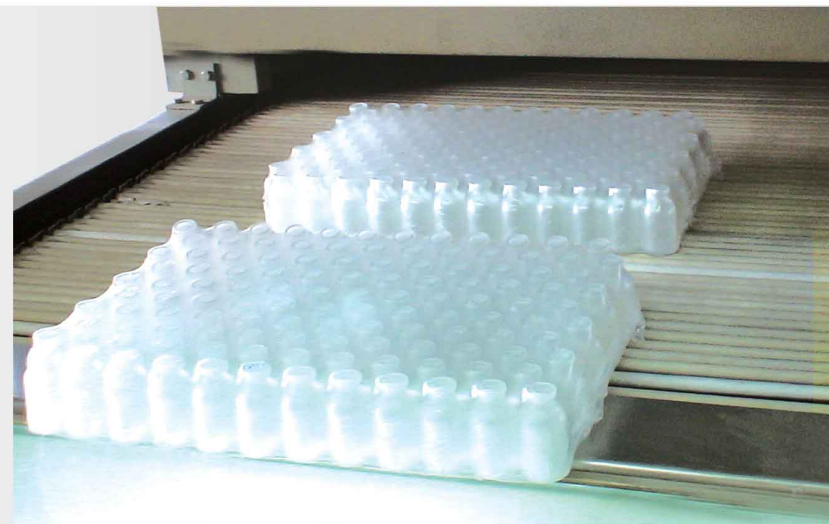
Packaging

包裝方式



View of palletization

The packaging of containers for pharmaceutical use must ensure both glass containers' protection and smooth operation on the end-user's filling lines



Polyethylene shrink wrapped, this packaging can be used for all containers, small and large. Mainly use for antibiotics vials and infusion bottles

SUMMARY

Moulded vial for antibiotics	1	模制注射劑瓶系列
Baby feeding,Clear,food glass bottle	4	奶瓶、透明藥劑瓶、食品瓶
Cosmetic glass bottle	9	日化瓶系列
Amber glass bottle	16	棕色藥劑瓶
Cobalt blue& green glass bottle	27	鈷藍色、綠色玻璃瓶
Prefilled syringe	28	預灌封

產品目錄

Tube vial for antibiotic	30	管制注射劑瓶
ampoule,glass tubing	31	安瓶、玻管
Borosilicate glass products	32	硼硅玻璃制品
Closure for vial	33	丁基橡膠制品
Flip off caps	37	鋁塑蓋、塑料蓋
Plastic bottle	40	塑料瓶
Certificate	41	認證證書



PRODUCTS CLASSIFICATIONS

I. Clear and Amber Moulded Injection Vial for Antibiotics, USP Type I,II,III:

Moulded Injection Vials, in conformity with USP type II, used for filling antibiotic injection powder and lyophilized powder, organisms preparations, etc. Its quality is up to CFDA and ISO standard, and its specification is from 5ml to 100ml.

Shandong Pharmglass type II glass is a type III soda-lime glass which, with a special treatment in the process of the production of annealing, to reach the hydrolytic resistance complying with the requirements special for the classes of ISO 4802-HC2. The production of which has passed the Certificate of Conformity of Product Quality.

II. Infusion Bottles:

Made of type II glass which is a soda-lime glass with special treatment in the process of the production of annealing, and is suitable for containing aqueous injection solutions that have a neutral or acid PH.

III. Bottles for Beverage, Perfume and Foodstuffs: made of type III glass with clean appearance.

IV. Amber Glass Bottle:

Shandong Pharmglass amber glass bottle corresponds to the light transmission limits stipulated in USP and BP not exceeding 10% between 290 and 450nm. it is used for filling oral liquid preparations, capsules tablets and granules, etc. Its specification scope covers 20ml to 500ml. We also can customize the products according to the consumers' requirements.

V. Prefilled syringe and Dental Glass Cartridge:

Prefilled Syringe and Dental Cartridge are new high-tech products of our company. It is the first in China. These products are mainly applied to the fields of gene engineering, bioengineering, insulin and such industries.

VI. Ampoule & Tube Glassing:

Shandong Pharmglass glass tubing is made of low borosilicate glass, which is characterized by a high degree of hydrolytic stability. Our Ampoule, made of the aforesaid tube (Colorless), is with view of containing all those injection products with an acid, neutral or alkaline PH. Its specification scope covers 1ml, 2ml, 5 ml, 10ml, only up to China National Standard GB2637-95.

VII. Tubular Glass Vial for Antibiotics:

Tubular Vial for Antibiotics is also an important product of our company, applying to filling various kinds of powders, liquid preparations and chemical reagents. Its specification scope covers 2ml to 30ml. The product is up to China National Standard, which belongs to neutral low borosilicate glass with good hydrolytic resistance on its surface. We also can produce screw-top vials or according to the customers' requirements.

VIII. Plastic Bottle:

Plastic Bottle for medicinal use is regulated as medical packing material of Type I, whose main features are sterilized, strong, anti-infiltrating, convenient in transport, no contamination and anti-hotness and so on. The specification of the product mainly covers the scope of 10ml to 200ml.

IX. Butyl Rubber Products:

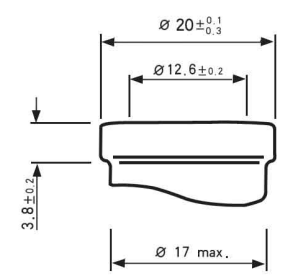
The Butyl Rubber Products can be typed of three categories, including Butyl Rubber Stopper, Syringe Plunger for injectable Cylinder and PP Stopper. The Butyl Rubber Stopper production house was designed and built in accordance with GMP, and the product quality surpassed the national standard in the inspection of the National Medical Packing Testing Center of SFDA. It applies to the supplement packing for injection powder, infusion or other preparations. The Syringe Plunger also called disposable and Sterilized Plunger for Injection Cylinder, which shall compact with disposable and sterilized injection cylinder, performing the function of preventing from liquid leaking between the plunger and the wall of the injection cylinder. The product covers 1ml to 100ml according to the specification of the syringe. While the PP stopper is mainly used for the airproofing and educing of soft infusion packing. Furthermore, we also can produce according to customer's requirement.

X. Al-Plastic Multi-Cap:

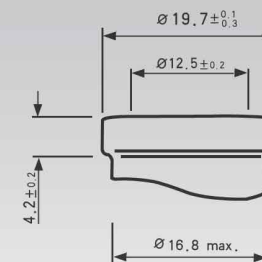
The Al-Plastic Multi-Cap corresponds to ISO standard is mainly used for injection containers (including elastomeric closures). And the caps shall be classified as follows: Type OB: Aluminium cap with central opening, and without overlapping plastics component; Type OD: Aluminium cap with complete tear-off tab, and without overlapping plastic component; Type ZB: Aluminium cap with central opening, and with overlapping plastics component; Type ZD: Aluminium cap with complete tear-off tab, and with overlapping plastic component



Ref.	ml	ml	ml	g		mm	mm	I	II	III
110071	7ml	7	9	13.0	ISO/CFDA	40.8	22.1	✓	✓	✓
110081	8ml	8	10	16.0	ISO/CFDA	46.8	23.0	✓	✓	✓
110101	10ml	10	15	21.0	ISO/CFDA	53.5	25.4	✓	✓	✓
110151	15ml	15	17	24.0	ISO/CFDA	58.8	26.5	✓	✓	✓
110201	20ml	20	26	29.0	ISO/CFDA	58.0	32.0	✓	✓	✓
110301	30ml	30	38	35.0	ISO/CFDA	62.8	36.0	✓	✓	✓
110501	50ml	50	60	50.0	ISO/CFDA	73.0	42.5	✓	✓	✓
111001	100ml	100	119	89.0	ISO/CFDA	94.5	51.6	✓	✓	✓



Series complies with the norms ISO8362–4 and CFDA YBB00312002–2015。
 本系列符合ISO8362–4 和中國國家食品藥品監督管理局YBB00312002–2015標準。



GB/B 19.7mm



Ref.	ml	g	GB/B	20mm	23mm	28.5mm	31.0mm	33.0mm	USP Type II/III
120052	5ml	5	7.3	12.9	GB/B	38.7	22.0	✓	✓
120053	7ml	7	9.0	13.5	GB/B	38.7	24.5	✓	✓
120122	12ml	12	16.0	21.0	GB/B	56.8	27.0	✓	✓
120075	7.5ml	7.5	8.5	14	20mm	36.2	24.6	✓	✓
120103	10ml	10	13.5	20	20mm	51.1	24.6	✓	✓
120303	30ml	30	37	38	20mm	61.5	37.8	✓	✓
120323	32ml	32	34.2	32.0	GB/B	66.0	33.0	✓	✓

Series complies with the norms GB 2640-90。本系列符合中國國家標準GB2640-90。



Ref.	ml	g	GB/B	20mm	23mm	28.5mm	31.0mm	33.0mm	USP Type II/III
120108	10ml	10	12	15.0	19.5mm	46.5	22.0	✓	✓
120158	15ml	15	17	21.0	19.5mm	45.5	29.5	✓	✓
120208	20ml	20	23	28.5	19.5mm	60.0	31.0	✓	✓
120109	10ml	10	15	19.4	ISO 20	55	23.8	✓	✓
120155	15ml	15	17	21.0	ISO 20	57.0	26.0	✓	✓
120185	18ml	18	21	26.9	ISO 20	57.0	30.0	✓	✓

Series according to the customers' special requirements.



							
320151	1/2oz	14.2	16.4	25.5	18mm-400	68.26	25
320301	1oz	31.3	36.2	44	20mm-400	78.58	32.8
320601	2oz	60.8	63.8	58	20mm-400	93.66	38.6
321201	4oz	120	125.7	108	22/24mm-400	112.73	48.82
322301	8oz	235	250	175	28mm-400	138.10	60.33



Vertical Tubular Bottles

VTB1201	120	162	108	39.5	103	55
VTB1801	180	253	132	39.5	141	55
VTB2401	240	294	181	39.5	167	55

ARC Tubular Bottles

ATB1201	120	194	96	52.9	88	65
ATB1501	150	230	105	52.9	94	65
ATB1801	180	275	135	52.9	118	65
ATB2401	240	325	155	52.9	142	65

Tilt Square Moulded Bottles

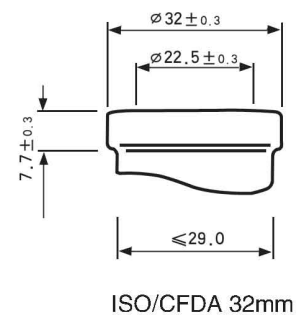
TSM0601	60	90	85	39.5	86	45.8
TSM0602	120	174	104	39.5	105	55.8
TSM0603	200	243	146	39.5	141	56

ARC Moulded Bottles

AMT0601	60	90	90	39.5	89.5	49
AMT1501	150	195	138	53.3	97.5	62.3
AMT2001	200	253	184	53.3	129	62.3
AMT2501	250	307	205	39.8	158	66



Ref.	ml	ml	ml	g			mm	I	II
210501	50ml	50	68	65	ISO032	68	46	✓	✓
211001	100ml	100	128	100	ISO032	104	49	✓	✓
211501	150ml	150	207	136	ISO032	102.5	66	✓	✓
212502	250ml	250	297	145	ISO032	125	68	✓	✓
212501	250ml	250	308	175	ISO032	136	66	✓	✓
215002	500ml	500	584	220	ISO032	147	86	✓	✓
215001	500ml	500	588	250	ISO032	177	78	✓	✓





Ref.	ml	ml	ml	g			mm
300301	30ml	30	35.5	40	DIN28	67	35.0
300601	60ml	60	66	60	DIN28	94.5	38.6
300901	90ml	90	97	72	DIN28	103	44
301251	125ml	125	133	90	DIN28	114.4	49
301501	150ml	150	158	98	DIN28	122.8	51.6
302001	200ml	200	206	135	DIN28	134	57



							
							
360101	10ml	10	12.5	27.5	DIN18	58.0	24.80
360151	15ml	15	20	35	DIN18	65.0	28.50
360201	20ml	20	22.5	35	DIN18	71.5	28.7
360301	30ml	30	35	48	DIN18	78.80	33.0
360501	50ml	50	57	55	DIN18	92.2	37.2
361001	100ml	100	105	88	DIN18	112.0	44.5
361501	150ml	150	155	110	DIN18	123.0	50.5



Ref.	ml	ml	ml	g			mm
331001	100ml	100	120	130	56	64	61
330502	50ml	50	55	93	51.5	42.5	56
330301	30ml	30	40	65	46.3	36	52
330201	20ml	20	23.5	43.8	41.5	28.1	46.1
330202	20ml	20	23	45.6	41	29.5	46.5



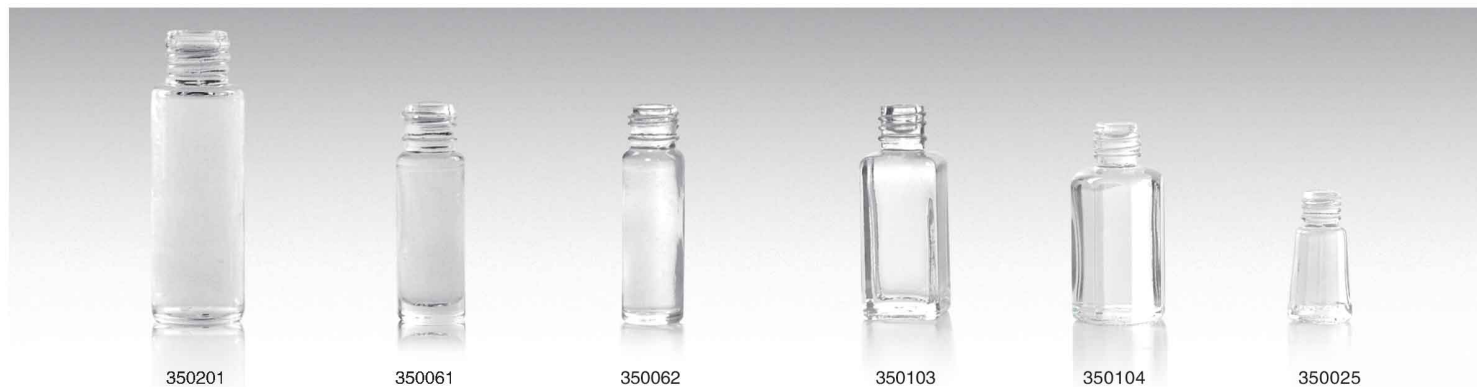


	350121	350350	350083	3500811	350081	350101
Size:	12ml	3.5ml	8ml	8ml	8ml	10ml
Height: mm	57	65	70.7	70	71.3	71.5
OD of body: mm	26	16.5	20.7	19.25	19.25	20
OD of neck: mm	13.7	12.6	15.8	14	15.8	15.9
Weight: g	31	18	24	23.5	23	22



	350043	350034	350044	350063	350064	350045
Size:	4ml	3ml	4ml	6ml	6ml	4ml
Height: mm	42.4	42.5	44.5	47.8	50	53
OD of body: mm	20.8	19.8	20	22	20	17.8
OD of neck: mm	12.7	13.6	15.8	13.7	16	12.8
Weight: g	16	13.8	14.5	20.5	17	14.2





Size:	20ml	6ml	6ml	10ml	10ml	2.5ml
Height: mm	80.5	60.25	66	57	54	40.5
OD of body: mm	25.8	19	19	21	25	21
OD of neck: mm	17.8	15.7	15.7	13.4	13.7	12.6
Weight: g	37.5	21	23	22	27.5	12



Size:	10ml	9ml	7ml	3ml	3ml	3ml	3ml
Height: mm	63	63.2	59	50.5	48	47.5	44.3
OD of body: mm	37	15	40	30	28	28	30
OD of neck: mm	10.6	9	10.8	10.8	8.7	8.7	7.1
Weight: g	26	25			15	15.6	11.5



350093

350094

350107

350084

350122

350108

Size:	9ml	9ml	10ml	8ml	12ml	10ml
Height: mm	54.5	55	57.5	61	59.5	61.1
OD of body: mm	28.5	33.5	23.5	31	37.6	30.2
OD of neck: mm	12.9	12.7	12.8	12.9	12.8	12.7
Weight: g	27.5	34	23	30	36	36



350058

350111

350072

350142

350059

3500912

Size:	5ml	11ml	7ml	14ml	5ml	9ml
Height: mm	38.7	50.5	52	51.2	52.8	50.5
OD of body: mm	24.5	30.5	31	34.9	21.2	27.5
OD of neck: mm	10.8	12.7	12.75	14.5	12.7	14.5
Weight: g	15.5	20.5	20.5	35	21	21.8



Size:	9ml	5ml	5ml	2ml	3ml
Height: mm	52.6	44.2	40.2	36.7	35.2
OD of body: mm	37	27.2	26.5	23	16.2
OD of neck: mm	14.4	12.7	12.8	11	11
Weight: g	38	19	17.8	12.2	8



Size:	8ml	5ml	5ml	5ml	4ml
Height: mm	47.6	38	41.5	39.2	38.5
OD of body: mm	28.8	24	15.5	33.5	26.2
OD of neck: mm	12.8	12.7	11.2	11.2	12.8
Weight: g	15.5	15	13.2	14	18



Size:	6ml	4ml	8ml	10ml	4.5ml
Height: mm	42.9	43.1	51	53	38
OD of body: mm	28.1	25	44.5	36	29
OD of neck: mm	12.7	12.7	12.6	14.7	12.7
Weight: g	24.5	18.5	36	37	18



Size:	13.5ml	10ml	3ml	6.5ml	5ml
Height: mm	52.2	45.6	40.2	40.6	38.2
OD of body: mm	28.5	30.7	23.2	23.75	22.5
OD of neck: mm	14.55	16.1	12.7	12.87	12.8
Weight: g	27	21	16.8	21	16



Size:	5ml	4ml	5ml	4ml	5ml	4ml	
Height: mm	37.7	38	40.2	39.2	38.3	41.2	
OD of body: mm	26	22	22.8	21.2	24.2	20.93	
OD of neck: mm	12.8	12.7	12.8	11.5	12.8	12.8	
Weight: g	15	11.3	17.8	12	14	14	



Size:	5ml	6ml	4ml	7ml	7.5ml	8ml	
Height: mm	42	42.9	44.5	45	57.5	59.85	
OD of body: mm	22	28.1	17	21.2	23	23	
OD of neck: mm	12.7	12.7	12.5	12.7	12.87	12.6	
Weight: g	15	24.5	14	16	21.5	17.5	



	350123	350095	350124	350096	350097	350109
Size:	12ml	9ml	12ml	9ml	9ml	10ml
Height: mm	56	55	54	55.5	61.5	65.6
OD of body: mm	27	35.5	30	30	34	26.4
OD of neck: mm	12.9	12.9	12.7	14.3	12.7	14.2
Weight: g	30	30	33.5	32.5	37.5	28.5



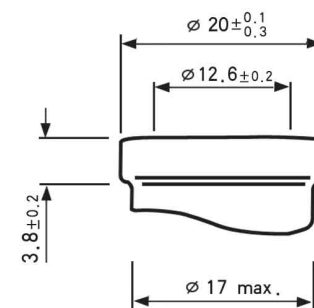
	3500415	350038	3500515	350067	350077	350077-1
Size:	4ml	7ml	5ml	6ml	6.7ml	9ml
Height: mm	41	40.8	44	45.1	47.6	50.5
OD of body: mm	22	25	26	22.9	31.8	33.8
OD of neck: mm	12.7	12.7	12.7	12.7	12.8	14.3
Weight: g	16.5	21.5	17	17	33	37



Ref.	ml	ml	ml	g			mm	I	II	III
410081	8ml	8	10	16.0	ISO/CFDA	46.8	23.0	✓	✓	✓
410101	10ml	10	15	21.0	ISO/CFDA	53.5	25.4	✓	✓	✓
410201	20ml	20	26	29.0	ISO/CFDA	58.0	32.0	✓	✓	✓
410301	30ml	30	38	35.0	ISO/CFDA	62.8	36.0	✓	✓	✓
410501	50ml	50	60	50.0	ISO/CFDA	73.0	42.5	✓	✓	✓
411001	100ml	100	119	89.0	ISO/CFDA	94.5	51.6	✓	✓	✓

Series complies with the norms ISO8362-4 and CFDA YBB00312002-2015.

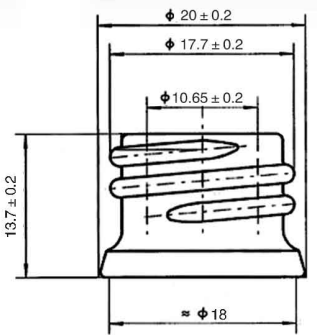
本系列符合ISO8362-4 和中國國家食品藥品監督管理局YBB00312002-2015標準。



ISO/CFDA 20mm

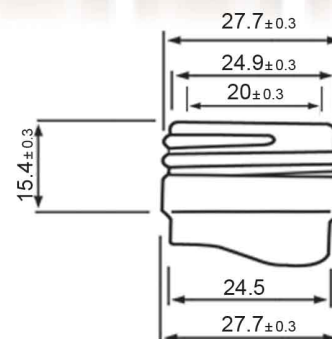


Ref.	ml	ml	ml	g			
490051	5ml	5	6.7	22	DIN18	50.2	22
490101	10ml	10	12.5	27.5	DIN18	58.0	24.80
490151	15ml	15	20	32	DIN18	65.0	28.50
490201	20ml	20	22.5	35	DIN18	71.5	28.7
490301	30ml	30	35	48	DIN18	78.80	33.0
490501	50ml	50	57	55	DIN18	92.2	37.2
491001	100ml	100	105	88	DIN18	112.0	44.5





Ref.	ml	ml	ml	g			mm
440301	30ml	30	35	40	DIN28	67	35
440601	60ml	60	67.5	60	DIN28	94	38.6
441001	100ml	100	108	72	DIN28	104.8	46.1
441251	125ml	125	133	90	DIN28	114.4	49
441501	150ml	150	158	98	DIN28	122.8	51.6
441801	180ml	180	189	105	DIN28	129.9	54.7
442001	200ml	200	213	125	DIN28	134.5	57.5
442501	250ml	250	260	150	DIN28	142.9	61.7
443001	300ml	300	315	170	DIN28	152.5	65.7
445001	500ml	500	512	260	DIN28	176.8	76.8





							
420151	15ml	15	17.7	31.9	PP 18mm	67.5	27.0
420301	30ml	30	35.0	46.0	PP 20mm	78.8	33.0
420601	60ml	60	65.0	74.8	PP 20mm	93.85	40.8
421201	120ml	120	130	97.0	PP 22mm	115.25	48.4
422501	250ml	250	260	185.5	PP 24mm	140	62.0



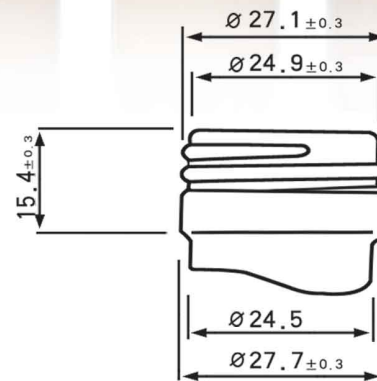
430151	1/2 oz	14.2	16.4	25.5	GPI18-400	68.26	25
430301	1 oz	31.3	36.2	44	GPI20-400	78.58	32.8
430601	2 oz	60.8	63.8	58	GPI20-400	93.66	38.6
431201	4 oz	120	125.7	108	GPI22-400	112.73	48.82
432301	8 oz	235	250	175	GPI28-400	138.1	60.33
434801	16oz	480	505	255	GPI28-400	168.7	74.6
439601	32oz	960	1000	480	GPI28-400	205.7	94.5
439602	32oz	960	1000	480	GPI33-400	205.7	94.5

本系列瓶瓶口尺寸符合美國G.P.I 400號瓶口規定。



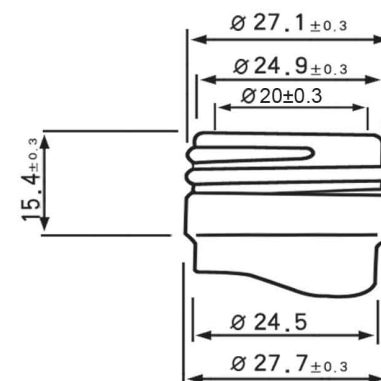


Ref.	ml	ml	ml	g	PP28	mm	mm
500301	30ml	30	36.7	45	PP28	68.5	36.5
500604	60ml	60	70	71	PP28	93.5	42.5
500603	60ml	60	70	71	PP28	84.5	46.5
500601	60ml	60	71	68	PP28	97.3	41.0
500602	60ml	60	70	85	PP28	101	41.0
500901	90ml	90	93.5	95	PP28	117.8	40.5
501001	100ml	100	109	95	PP28	120.0	43.5
501002	100ml	100	112	109	PP28	115.4	47.0





Ref.	ml	ml	ml	g		mm	mm
450501	50ml	50	57	82	PP 28	107	35.0
450752	75ml	75	85	105	PP 28	107.0	43.0
451003	100ml	100	110	110	PP 28	120.7	44.3
451004	100ml	100	110	120	PP 28	123.5	44.6
451005	100ml	100	110	120	PP 28	126.0	45.2
451006	100ml	100	110	120	PP 28	120.0	44.5
451007	100ml	100	110	120	PP 28	126.0	44.6
451008	100ml	100	110	120	PP 28	123.5	45.2
451009	100ml	100	110	110	PP 28	120.7	44.3
45150K	150ml	150	176	151	PP 28	135.5	52.0





Ref.	ml	ml	ml	g			mm
460601	60ml	60	69	73	G.P.I 33-400	75.5	44.5
460752	75ml	75	86	84	G.P.I 38-400	82.5	45.3
461003	100ml	100	114	95	G.P.I 38-400	87.5	50.0
461204	120ml	120	135	108	G.P.I 38-400	95.0	52.8
461505	150ml	150	170	122	G.P.I 45-400	100	56.0
462006	200ml	200	226	151	G.P.I 45-400	109.5	61.4
462507	250ml	250	274	170	G.P.I 45-400	117.5	65.3
463008	300ml	300	330	216	G.P.I 45/53-400	126.5	68.2
464009	400ml	400	440	225	G.P.I 45/53-400	136.5	74.7
465010	500ml	500	550	270	G.P.I 45/53-400	147	81



Ref.	15ml	20ml	25ml	g		mm	mm
510151	15ml	15	18.0	33	PP22	63.0	28.5
480151	15ml	15	19.0	30	21mm	62.0	28.2
480201	20ml	20	26.4	47	PP 22	81.0	29.0
480251	25ml	25	29.0	38	23mm	71.9	30.8
480301	30ml	30	36.0	51	PP 22	84.5	32.5
480302	30ml	30	36.0	50	PP 25	88.5	30.0
480303	30ml	30	35.0	48	PP 22	89.0	30.0
510701	70ml	70	79.0	75	PP 25	100.5	41.5
511001	100ml	100	130.0	107	PP 25	114.0	49
511251	125ml	125	140.0	109	PP 25	120.0	49.5
512001	200ml	200	215	156	PP 25	134.0	58





							
530101	10ml	10	14.8	23	PP18	58	25.4
530301	30ml	30	36	38	PP24	74.1	33
530501	50ml	60	54	59	PP24	82.1	39.6
530801	80ml	80	90.5	62	PP24	91.5	46.4
531001	100ml	100	113	92	PP24	99.8	49
531501	150ml	150	165	103	PP24	109.2	56
532001	200ml	200	216	133	PP24	129.9	57.2





Ref.	ml	ml	ml	g			mm
520102	10ml	10	14	22.5	28mm	40	30
520101	10ml	10	14.5	26.5	12mm	54	30
520201	20ml	20	27.5	28.5	28mm	51	34
520251	25ml	25	33	41	16mm	76.5	33
520301	30ml	30	44	43	20mm	75	38
520302	30ml	30	38	42	28mm	66.5	34
520501	50ml	50	60	62	20mm	85	42
521001	100ml	100	120	105	20mm	105	52





Dropper Bottle Series

							
5ml	6.7	22	DIN18	50.2	22	✓	✓
10ml	12.5	27.5	DIN18	58	24.8	✓	✓
15ml	20	35	DIN18	65	28.5	✓	✓
20ml	22.5	35	DIN18	71.5	28.7	✓	✓
30ml	35	48	DIN18	78.8	33	✓	✓
50ml	57	55	DIN18	92.2	37.2	✓	✓
100ml	105	88	DIN18	112	44.5	✓	✓

Boston Round Bottle Series

							
1/2oz	16.4	25.5	18mm-400	68.26	25	✓	
1oz	36.2	44	20mm-400	78.58	32.8	✓	✓
2oz	63.8	58	20mm-400	93.66	38.6	✓	✓
4oz	125.7	108	22mm-400	112.73	48.82	✓	✓
8oz	250	175	28mm-400	138.1	60.33	✓	
16oz	505	255	28mm-400	168.7	74.6	✓	

Wide Mouth Bottle Series

							
60ml	69	73	G.P.I400-33	75.5	44.5	✓	
75ml	86	84	G.P.I400-38	82.5	45.3	✓	
100ml	114	95	G.P.I400-38	87.5	50.5	✓	
120ml	135	108	G.P.I400-38	95.0	52.8	✓	
150ml	170	122	G.P.I400-45	100	56.0	✓	
200ml	225	151	G.P.I400-45	109.5	61.4	✓	
250ml	274	170	G.P.I400-45	117.5	65.3	✓	
300ml	330	210	G.P.I400-45/53	126.5	68.2	✓	
400ml	440	225	G.P.I400-45/53	136.5	74.7	✓	
500ml	550	270	G.P.I400-45/53	147	81	✓	

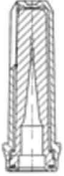
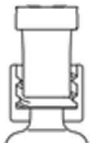
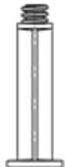
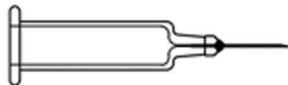
AVAILABLE FORMATS for PFS & GLASS CARTRIDGE

PFS Specification

- ◆ Sizes: from 1ml to 3ml
- ◆ Nest: 10x10pcs
- ◆ EO sterilization
- ◆ Customized ceramic printing(optional)
- ◆ “☆” means available

Supplier

Tubing Glass from Schott, Needle from Nipro

		RNS/硬护帽 	NS/软护帽 	TC/Ribbed 	鲁尔锁套 	LLA 	柱塞 	推杆 
		Rigid Needle Shield SPG WEST	Needle Shield WEST	Tip Cap SPG	Luer Lock SPG	Luer lock Adapter WEST	Rubber Plunger WEST	Plunger Rod QIAOPAI
	1ml long Φ8.15 Needle, 1/2" 27G, 5/8" 25G, 1" 23G	☆					☆	☆
	1ml STD Φ10.85mm Needle, 1/2" 27G, 5/8" 25G, 1" 23G	☆					☆	☆
	2.25ml, 3ml Φ10.85mm Needle, customized						☆	☆
	1ml STD, 2.25ml, 3ml Φ10.85mm Luer cone			☆	☆		☆	☆
	1ml Long Φ8.15mm Luer cone			☆	☆		☆	☆
	1.5ml Φ8.65mm x H57mm 1.8ml Φ8.65mm x H63mm 3.0ml Φ11.6mm x H62.3 1.8ml Φ8.56mm x H63mm		Finish Dimension OD: 7.15mm ID: 3.15mm			Al-seal Dim. ID7.45*H4.9		Piston 7.3 Piston 7.3 Piston 9.95 Piston 7.24
		Finish	OD: 7.42mm ID: 3.71mm		SPG Made	ID7.77*H4.96	SPG Made	





Ref.	ml	ml	g		mm	mm
610021	2ml	4.2	4.6	ISO13	35	15.8
610071	7ml	10.5	8.2	CFDA	39.7	22
610081	8ml	11.5	9.4	ISO20	45	22
610102	10ml	13.5	10.2	ISO20	45	24
610151	15ml	18.5	13.4	CFDA	52	26.5
610121	12ml	15.5	11.6	ISO20	53	24
610201	20ml	23.5	15.0	CFDA	58	27.6
610301	30ml	33.5	21.5	CFDA	60	29.5
610251	25ml	32.5	16.5	ISO20	65	30



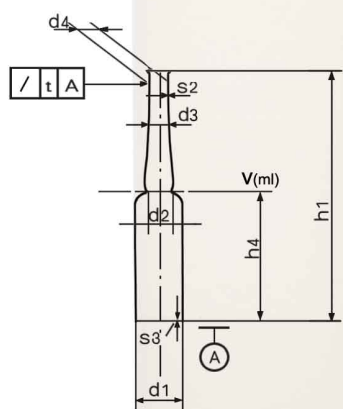


Chinese Form B Type Ampoules Series

ml	d1	d2	d3	d4	h1	h4	s2	s3	V(ml)
1ml	10.0	6.3	7.8	5.0	60.0	25.0	0.20	0.20	1.5
2ml	11.5	7.0	8.5	5.5	70.0	36.5	0.20	0.20	2.9
3ml	12.75	7.3	8.5	6.0	75.0	39.5	0.20	0.20	3.5
5ml	16.0	8.2	10.0	6.0	87.0	43.0	0.20	0.30	6.8
10ml	18.40	8.8	11.0	6.8	102.0	58.5	0.25	0.30	12.3

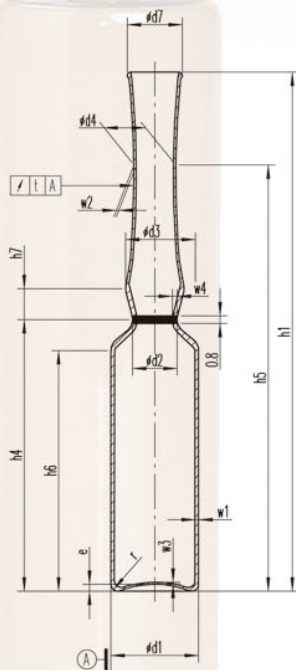
ISO 9167-1 Form B Type Ampoules Series

ml	d1	d2	d3	h1	h4	s2	s3	V(ml)
1ml	10.75	6.5	6	60	25.5	0.37	0.3	1.5
2ml	10.75	6.5	6	72	37.5	0.37	0.3	2.3
3ml	12.75	6.5	6	75	39.5	0.37	0.3	3.5
5ml	14.75	7	7	83	46.5	0.40	0.4	5.5
10ml	17.75	7.5	7.1	102	62	0.47	0.4	11.5



Clear Glass Tubing

Made of Low Borosilicate
Glass Specification Scope:
9.5mm–30mm



ISO Form B Ampoules Series

ml	d1	d2	d3	d4	h1	h4	w2	w3
1ml	10.75	6.50	8.50	6.00	60.00	25.50	0.37	0.30
2ml	10.75	6.50	8.50	6.00	72.00	37.50	0.37	0.30
3ml	12.75	6.50	8.50	6.00	75.00	39.50	0.37	0.30
5ml	14.75	7.00	9.00	7.00	83.00	46.50	0.40	0.40
10ml	17.75	7.50	9.50	7.10	102.00	62.00	0.47	0.40

ISO Form C Ampoules Series

ml	d1	d2	d3	d4	h1	h4	w2	w3
1ml	10.75	6.50	8.50	6.00	67.00	25.50	0.37	0.30
2ml	10.75	6.50	8.50	6.00	79.00	37.50	0.37	0.30
3ml	12.75	6.50	8.50	6.00	82.00	39.50	0.37	0.30
5ml	14.75	7.00	9.00	7.00	90.00	46.50	0.40	0.40
10ml	17.75	7.50	9.50	7.10	109.00	62.00	0.47	0.40

Introduction of Form B & C ampoule

Considering the ongoing demand of local pharmaceutical industries for high quality ampoules in different format, Shandong Pharmaceutical Glass Co., Ltd., has introduced advanced forming machine and developed a series of ampoules, so to further improve the company's product lines, aims to meet the needs of different customers.



Glass type: I, Clear and Amber

Quality standards:

ISO 9187-1: 2000, Form B and C

ISO 15378 & ISO 9001 quality management system

Dimensional camera inspection system

Color break & OPC(one point cut)

Produced in clean room



Amber moulded type I vial can improve your production process to be more safe and effective

The following characteristics have already been studied and verified by SPG:

Our amber borosilicate glass is neutral glass type I which is in compliance with the current edition of:

- i) USP<660>, Ph. Eur 3.2.1 and CFDA YBB norm standard, including test items such as hydrolytic resistance, extractable As, light transmission.
- ii) ISO4802-2 & ISO4802-1 (Hydrolytic resistance, Class I).
- iii) Acid resistance according to ISO1776: Class I; Alkali resistance according to ISO695: 1991: Class II.
- iv) Thermal expansion coefficient of liner: $5.5 \times 10^{-6} \text{K}^{-1}$ (20-300 C).



Ref No: 711311
 Size: 13-A
 OD of Flange: 12.50mm
 ID of Neck: 7.50mm
 Height of Flange: 2.00mm
 Total Height: 7.00mm



Ref No: 712011
 Size: 20-A
 OD of Flange: 18.80mm
 ID of Neck: 13.2mm
 Height of Flange: 3.30mm
 Total Height: 8.80mm



Ref No: 712020
 Size: 20-BX
 OD of Flange: 19.05mm
 ID of Neck: 13.30mm
 Height of Flange: 3.45mm
 Total Height: 8.45mm



Ref No: 712022
 Size: 20-B2
 OD of Flange: 19.50mm
 ID of Neck: 13.00mm
 Height of Flange: 3.00mm
 Total Height: 8.70mm



Ref No: 712023
 Size: 20-B3
 OD of Flange: 19.50mm
 ID of Neck: 13.00mm
 Height of Flange: 2.80mm
 Total Height: 8.50mm



Ref No: 712025
 Size: 20-B2-01
 OD of Flange: 19.50mm
 ID of Neck: 13.00mm
 Height of Flange: 3.00mm
 Total Height: 8.70mm

Size of 13A, 20A, 20B comply with norms ISO 8362-2 and YBB00052005-2015, Other complies with YBB00052005-2015.
 规格为13A, 20A, 20B符合ISO 8362-2标准和注射用无菌粉末用卤化丁基橡胶塞YBB00052005-2015, 其他符合YBB00052005-2015。



Ref No: 732821
Size: 28-B
OD of Flange: 27.10mm
ID of Neck: 17.80mm
Height of Flange: 3.40mm
Total Height: 10.20mm

Ref No: 732822
Size: 28-B-1
OD of Flange: 26.60mm
ID of Neck: 18.00mm
Height of Flange: 3.80mm
Total Height: 11.80mm

Ref No: 733211
Size: 32-A
OD of Flange: 30.80mm
ID of Neck: 23.60mm
Height of Flange: 4.00mm
Total Height: 12.20mm

Ref No: 733212
Size: 32-A-1
OD of Flange: 31.00mm
ID of Neck: 24.20mm
Height of Flange: 5.00mm
Total Height: 16.00mm

Size of 32-A complies with the norm ISO 8362-2, Size of 32-A-1 according to DIN STD.



Ref No: 721302
 Size: 13-D2
 OD of Flange: 12.50mm
 ID of Neck: 7.50mm
 Height of Flange: 2.00mm
 Total Height: 10.20mm

Ref No: 721304
 Size: 13-D4
 OD of Flange: 12.5mm
 ID of Neck: 7.50mm
 Height of Flange: 2.50mm
 Total Height: 9.90mm

Ref No: 722002
 Size: 20-D2
 OD of Flange: 18.80mm
 ID of Neck: 13.20mm
 Height of Flange: 3.30mm
 Total Height: 14.00mm

Ref No: 722003
 Size: 20-D3
 OD of Flange: 18.80mm
 ID of Neck: 13.10mm
 Height of Flange: 3.30mm
 Total Height: 13.80mm



Ref No: 750222
 Size: 20E6-1
 OD of Flange: 19.5 ± 0.1
 ID Of Neck: 13.20 ± 0.1
 Height of Flange: 3.00 ± 0.2
 Total Height: 6.7 ± 0.2
 (Rubber Stopper with Teflon Coating)

Ref No: 750253
 Size: $\Phi 25$
 Diameter1: 28.0 ± 0.2
 Diameter2: 31.8 ± 0.3
 Total Height: 16.0 ± 0.3
 Height of Flange: 5.0 ± 0.2

Ref No: 750251
 Size: 25-B3
 Diameter: 24.8 ± 0.1
 Total Height: 7.0 ± 0.2
 Inner Height: 4.4 ± 0.2
 Piercing Height: 2.5 ± 0.2

Ref No: 750252
 Size: 25-A2
 Diameter: 25 ± 0.1
 Total Height: 6.1 ± 0.1
 Inner Height: 4.5 ± 0.2
 Piercing Height: 2.5 ± 0.2

Product Introduction of Rubber Stopper with Teflon Coating

應用領域 Fields of application

- 化學和生物活性敏感藥物
Sensitive drugs especially SVP
- 普通膠塞和藥物相容性無法解決
Aggressive preparations which are not compatible with non-coated

優點 Advantage

- 消除藥物和橡膠接觸
Eliminates drug-rubber interactions
- 優良的氣密性能
Perfect seal
- 無藥物生產後之憂
Trouble-free processing
- 降低顆粒污染的可能性
Reduced particle contamination



Ref No: 810131
Size: ZD-13
d1: 13.3
d2: 15min. 16max.
d3: 3min. 8max.
h1: 6.3
h2: 7.3min. 8.4max.
e: 0.168~0.242



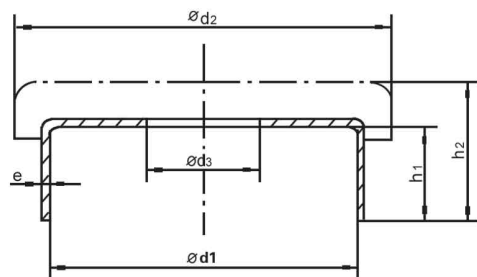
Ref No: 810202
Size: SZD-20a
d1: 20.3
d2: 22.2min. 23.2max.
d3: 6min. 10max.
h1: 7.3
h2: 8.7min. 9.8max.
e: 0.168~0.242



Ref No: 810201
Size: SZB-20Ta
d1: 20.3
d2: 22.2min. 23.2max.
d3: 6min. 10max.
h1: 7.3
h2: 8.7min. 9.8max.
e: 0.168~0.242



Ref No: 810200
Size: 20a
d1: 20.0min. 20.3max
d2:
d3:
h1: 7.3
h2:
e: 0.168~0.242



Dimension in mm



Ref No: 810203
Size: ZB-20Tb
d1: 20.0
d2: 22.0min. 23.0max.
d3: 6min. 10max.
h1: 7.3/6.9
h2: 8.7min. 9.8max.
e: 0.168~0.242



Ref No: 810281
Size: ZB-28
d1: 28.6
d2: 31.2min. 32.2max.
d3: 12min. 17max.
h1: 9.6
h2: 10.5min. 12max.
e: 0.168~0.242



Ref No: 810321
Size: SZB-32-5
d1: 32.6
d2: 35.5min. 37max.
d3: 15min. 20max.
h1: 12.1
h2: 13min. 16max.
e: 0.168~0.242

770051



770052



770053



770051	DIN18	21
770052	DIN18	20.75
770053	DIN18 PP	21.8



770021	DIN18 PP	25
770022	DIN18 PP	21.8
770024	DIN18 PP	20.6
770025	DIN18 PP	23.5

770021



770022



770024-25



770023



770026



770027



770023	DIN18	21
770026	DIN18 PP	24
770027	DIN18 PP	25

770041



770031-34



770061-64



770041	DIN18
770031	GPI18-400
770032	GPI20-400
770033	GPI22-400
770034	GPI28-400
770061	GPI400-33
770062	GPI400-38
770063	GPI400-45
770064	GPI400-53



770071	DIN28 PP
770072	DIN28 PP
770073	DIN28 PP

770071



770072



770073



770081



770082-83



770084-85

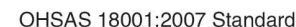


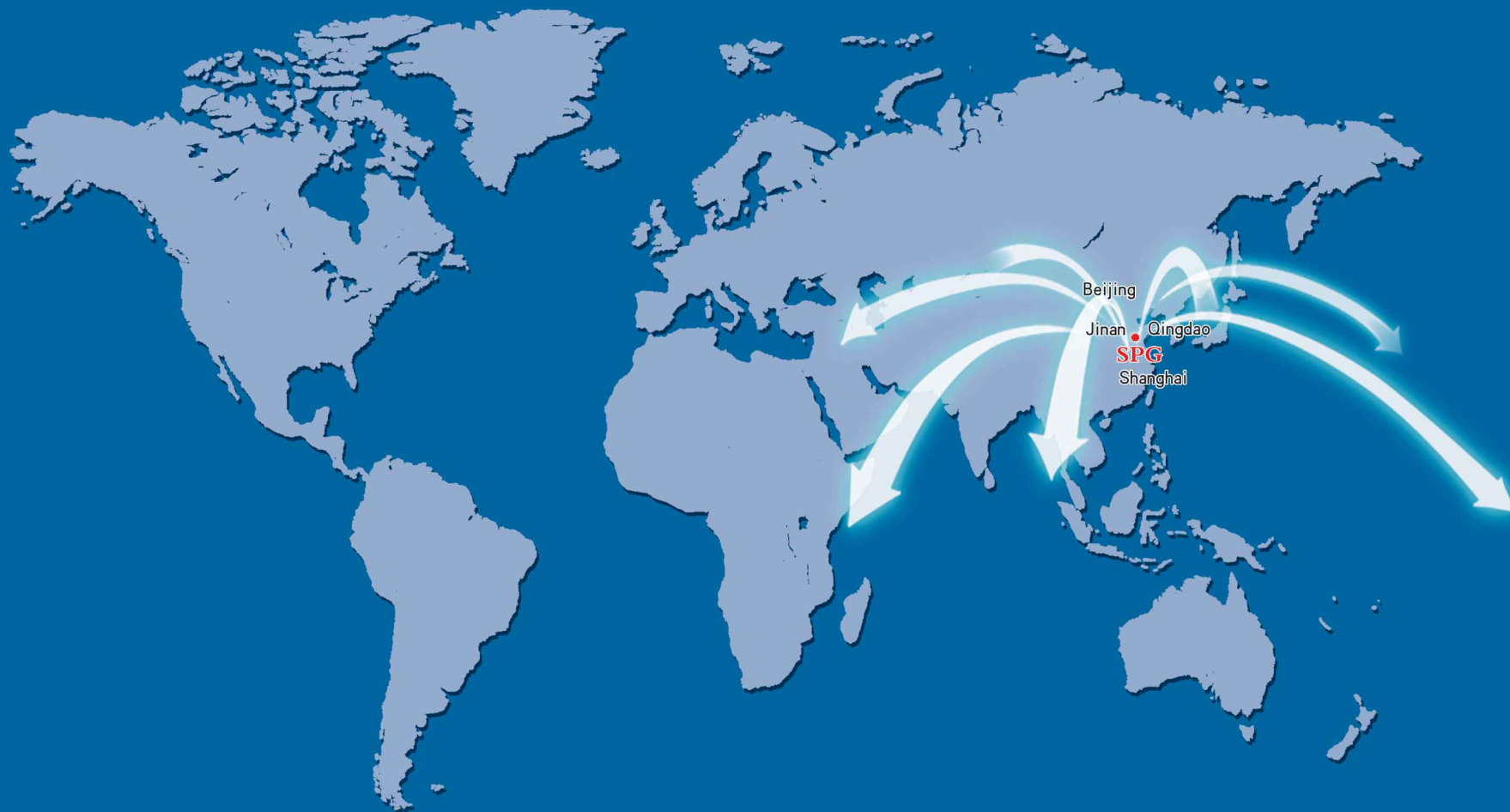
770081	12.7mm
770082	13mm
770083	16mm
770084	13mm
770085	16mm



Ref.	ml	g		mm	mm
910101	10ml	3.2	20.6	40.2	25.3
910121	12ml	4	23.6	44.2	27.2
910151	15ml	5.2	21.7	48.4	28.8
910301	30ml	6.1	25.7	56.5	34.2
910501	50ml	9.8	29.2	66.8	37.6
910601	60ml	12.5	33.4	68	40
911001	100ml	13.0	33.4	79.6	46.8







地址：中國山東省淄博市沂源縣城埠下路

Add: Buxia Rd., Yiyuan County, Zibo City,
Shandong Province, P.R.China.
PO. Box 256100

Tel: 0086-533-3259141 3243561 3243571 3259167

Fax: 3230786

Website: www.pharmglass.com

www.pharmglass.en.alibaba.com

E-mail: pharmglass@163169.net