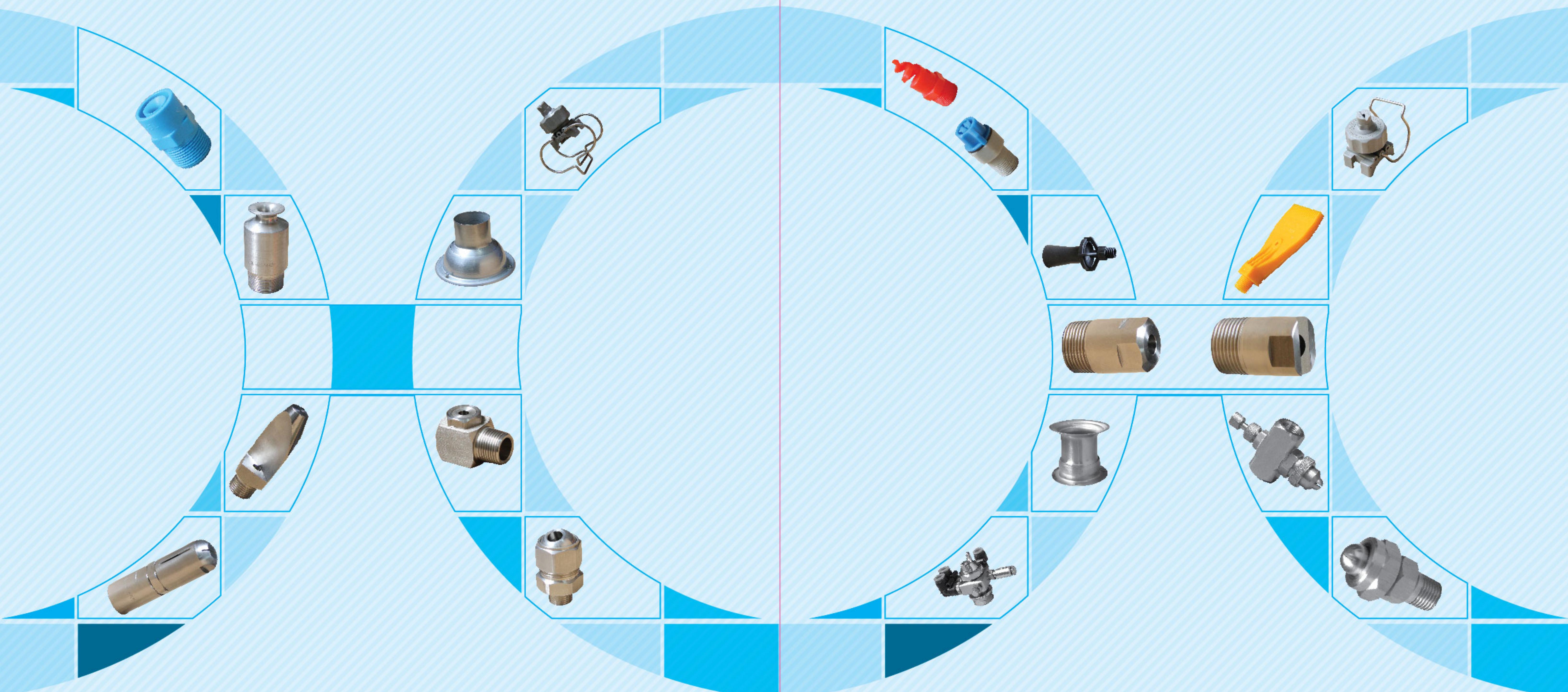




SHANGHAI XINHOU
SPRAYING&PURIFICATION EQUIPMENT
上海鑫厚喷雾净化设备有限公司



上海鑫厚喷雾净化设备有限公司

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产品目录 Product Catalog

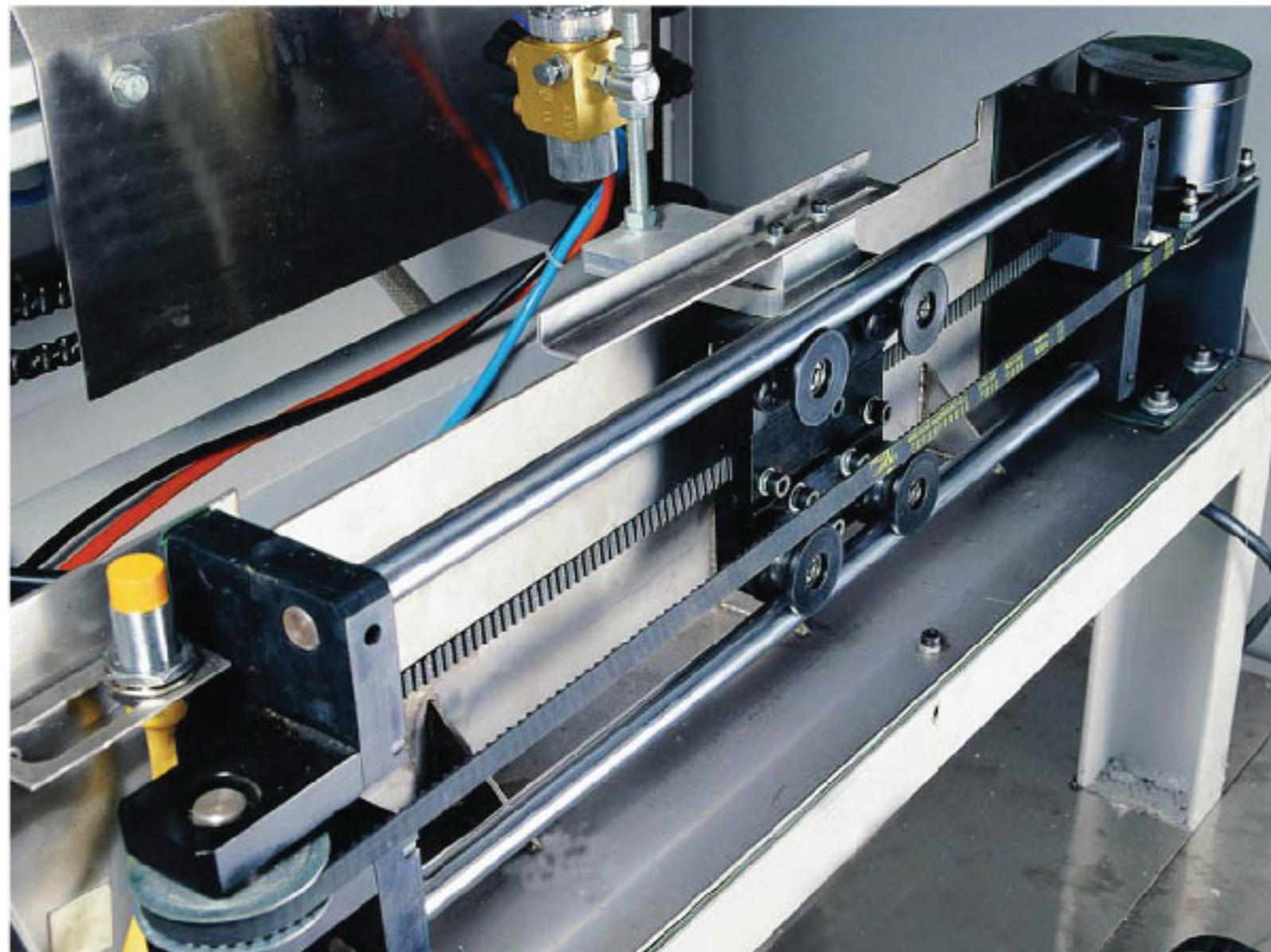
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公司简介 Company Introduction

上海鑫厚喷雾净化设备有限公司成立于2004年，是专业生产工业用喷嘴的工厂。经过多年的努力发展，我们的人员已具有丰富的喷嘴应用知识和经验，能为你提供可靠的技术支持。在品质管控方面，我们严格按照 ISO9001：2000 质量管理体系的标准进行管理。无论是标准喷嘴，还是非标喷嘴，我们都会以专业的技能为您提供性价比最高的产品及优质的服务。

我们的产品 ----- 工业喷嘴

产品按不同性质分类如下：

1, 按材质分类：金属喷嘴，塑胶喷嘴。

2, 按结构性能分类：可调球形喷嘴；吹风喷嘴；螺旋喷嘴；快拆喷嘴；混流 / 搅拌喷嘴；精细雾化喷嘴；空气雾化喷嘴；一体式喷嘴

按喷雾形状分类：扇形喷嘴；实心锥形喷嘴；空心锥形喷嘴；液柱流喷嘴。

按用途分类：清洗喷嘴；清洗瓶罐喷嘴；加湿喷嘴；除尘喷嘴；喷雾干燥喷嘴；喷涂喷嘴；强冷，强热喷嘴。

产品使用范围：产品可适用于涂装，电子，汽车，食品，钢铁，化工，造纸，纺织，环保等行业。

我们的宗旨 --- “品质是我们生存的命脉，诚信是我们发展的根本” 长久以来我们一直恪守这个宗旨，以客户价值为目标，努力为客户提供最具性价比的产品，以真诚服务于客户，依靠我们的技术和产品，帮助中国企业提高资源的利用率，降低能源消耗，为广大客户创造价值。

我们的品质及价格——我们以质量为公司赖以生存的命脉，从采购到生产及至成品检验，都严格按 ISO9001:2000 标准进行。产品的品质在国内同行业领先，性价比高，数以千计的客户可以为我们作证！

我们的承诺——我们坚持，对品质的要求永远放在第一位。不会一味的追求低价格，而舍弃一贯的品质要求。品质永远是我们的保证；我们坚持，在同等的价位上，努力提升产品的质量；我们坚持，在同等的质量上，提供最实在的价格。

Shanghai Xinhou Spraying & Purification Equipment Co.,Limited is a factory established in 2004 and engaged in industrial nozzle for many years. Our people have rich knowledge and experience, which can provide you reliable technical support. In the aspect of quality control, we strictly carry out standard according to ISO9001 : 2000. No matter standard or non-standard products, we can supply to you demanded products with excellent quality and reasonable price and satisfied service.

Our products --- Industrial nozzle

Nozzles are classified according to the following characters

According to material : Metal nozzle; Plastic nozzle.

According to structure: Adjustable ball nozzle; Air blowing nozzle ; Spiral nozzle; Quick release nozzle; Mixing eductor nozzle; Fine atomizing nozzle; One-piece nozzle.

3, According to shape of spray: Fan nozzle ; Full cone nozzle; Hollow cone nozzle; Liquid column nozzle.

4, According to purpose : Cleaning nozzle; Humidification nozzle; Dedusting nozzle; Spray drying nozzle; Spray coating nozzle; Strong cold air shower nozzle; strong hot air shower nozzle.

5, Application range: Coating; Electronics; Motor vehicle (Car); Food; Steel; Chemical industry; Paper making; Environmental protection.

Our Belief --- “Quality is our lifeblood to survive , Credit is our root to develop” , We have always kept to this belief since the start, trying to provide the products to customers which has advantage in quality and price. We have been doing our best to improve the resource-use ratio, so as to create more value for more enterprises.

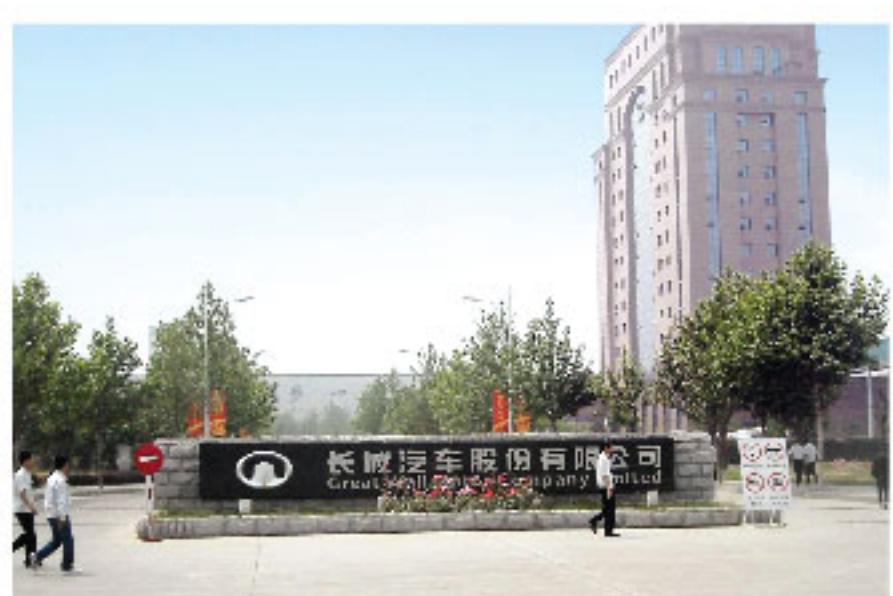
Our quality——We count quality as the lifeblood of company. We carry out every step strictly according to the ISO9001:2000 standard, such as purchasing the raw material, producing and inspecting products. We have priority in quality in this industry within China, and also Cost Effective Price. The positive word of mouth from many of our customers is the best promotion for us.

Our Commitment——We insist quality products. We always put quality at first place. We will never chase cheap material for cheaper price. Quality is our guarantee for survival; We insist trying to improve the quality at same level of price; We insist to provide the most reasonable price at same quality level.

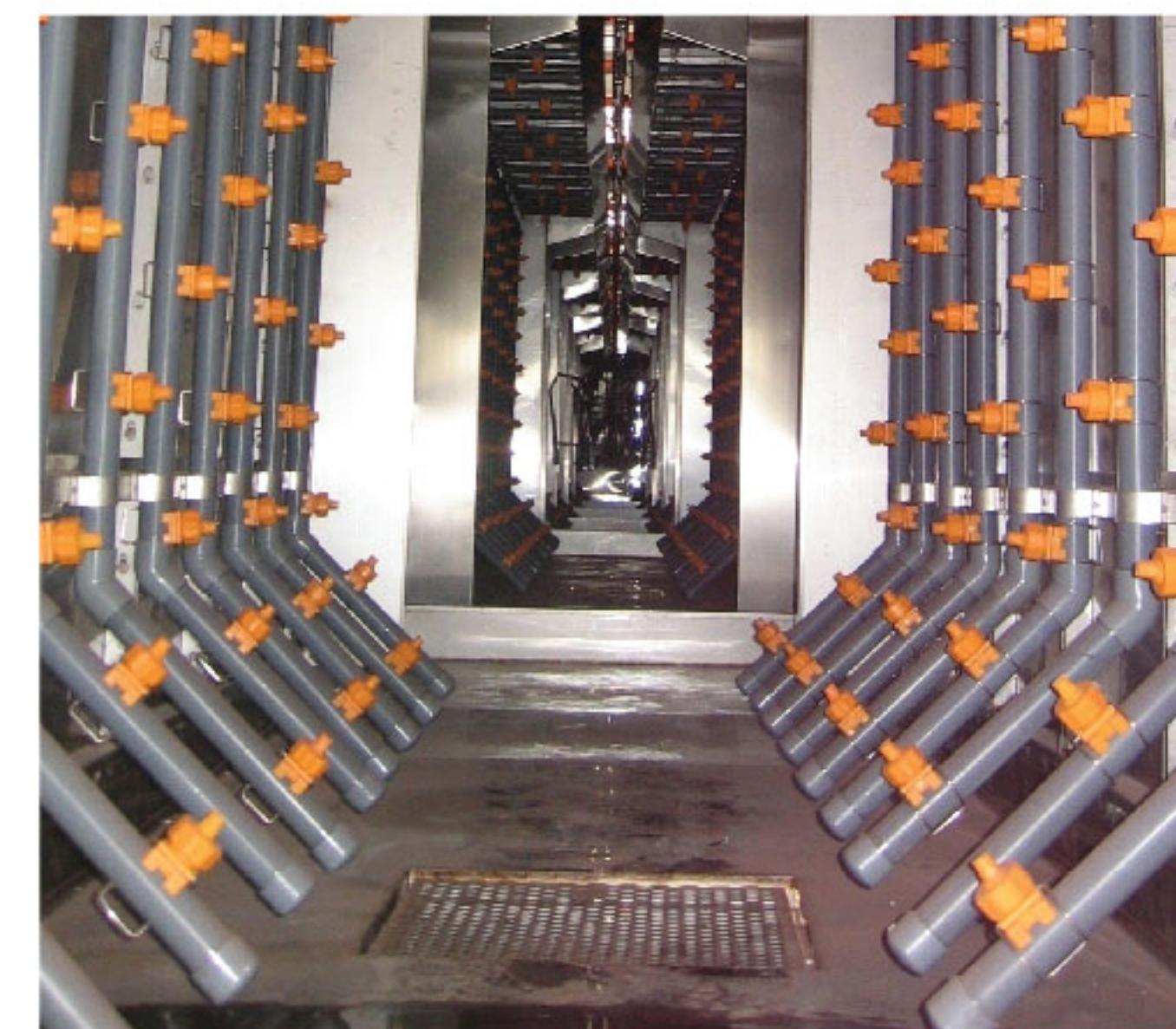
部分案例 Part of our cases



部分案例 Part of our cases



喷嘴的典型应用 Nozzles's typical application



喷淋室
Spraying room



强冷室
Strong cold room



喷雾加湿
Spraying humidification



淋雨室
Raining room

流程示意图 Flow Chart



质量方针 Quality Policy

用质量信誉去开拓市场，按国内一流的标准组织生产。用品种去满足顾客需求，加强产品开发设计的质量控制。用持续改进去促进发展，提升顾客满意度。

上述质量方针可以简化为：质量抢市场、品种争顾客、持续改进求发展。

为了实施质量方针，应采取如下措施：

组织员工学习、讨论，务必使全体员工，特别是负有职责的管理人员充分理解，并将本质量方针张贴在醒目易见的地方，随时供全体员工学习理解。

根据本质量方针制定质量目标，并将质量目标分解至部门质量目标，实施质量目标管理。

本公司的总体质量目标是：客户满意度≥95%，成品合格率：≥99%，客户投诉率：≤1%

本公司的文件，过程、程序、产品等凡与本质量方针政策不相符的，一律按本质量方针规定的原则进行修正处理，任何人，包括总经理都不得违背本质量方针政策规定的原则。

Open up market with quality and credit. Produce products according to first class standard organization in domestic. Meet clients' needs with variety, Improve quality control to product development and design.

Develop by the way of sustaining improvement, Bring up great satisfaction to all our clients.

For abbreviation: Quality, winning market, variety attracting customers, and sustaining improvement promoting development.

To carry out our quality policy, we take measures as following.

Organize the staff to study and make discussions about our quality policy and assure that all the staff especially those managers understand completely.

Place the quality policy in public for any time study. Establish quality goals according to the quality policy and pass it to every department for quality target management.

Our overall goals: clients' satisfaction ≥95%; Finished product percent of pass ≥99%; Clients' complaint ≤1%.

Any document, process, program, product etc., violated this quality policy shall be corrected according to principles in it.

Any one shall not violate this quality policy.

喷嘴的应用范围 Nozzle's Application

鑫厚公司的喷嘴应用范围广泛，深入到工业应用的各个领域，产品已覆盖表面处理，电子、纺织、钢铁、制药等行业。越来越多的应用范围表明，鑫厚公司的影响力正进一步扩大。
Xinhou nozzles are widely used in all kinds of fields in industry. Products cover industries like surface treatment, Electronics, textile steel, pharmacy etc. More and more application range manifests that Xinhou nozzle's influence is extending.

清洗 Cleaning

- 清洗汽车
Car washing
- 清洗筛网上的砂石
Cleaning gravel on the screen
- 清洗罐槽及容器内壁
Inner tank cleaning
- 清洗电子线路板
Power PCB cleaning
- 清洗食品加工厂中的消毒卫生设备
Disinfection equipment cleaning in food factory
- 清洗造纸厂毛毯和网布
Blanket and mesh cleaning in paper mill
- 食品加工厂的瓶盖清洗
Bottle washing in food factory
- 高压清洗
High pressure washing
- 玻璃清洗
Glass washing
- 清洗工业设备
Industrial equipment washing
- 金属表面的前处理
Pretreatment for metal surface
- 瓶罐清洗
Tank cleaning

喷涂 Coating

- 药片涂层
Medicine coating
- 无气喷涂或喷漆
Airless spraying
- 喷涂防锈剂
Rust preventive spraying
- 食品上喷涂添加剂和调味品
Additive and flavor spraying on food
- 模具上喷涂脱模剂
mould release agent spraying
- 瓷砖和彩瓦上釉
Porcelain tile and color tile glazing
- 磷化金属部件
Metal parts phosphating
- 金属表面涂层
Metal surface coating

冷却 Cooling

- 钢铁中连铸二次冷却
Steel secondary casting cooling
- 钢铁中轧辊冷却
Roll cooling for steel-making
- 输送带冷却
Conveyer belt cooling
- 冷却塔
Cooling tower
- 热处理后淬火
Quenching after heat treatment
- PVC 管挤压冷却
PVC pipe extrusion cooling
- 铸压模冷却
Die casting cooling
- 烟气冷却
Gas cooling
- 铝型材冷却
Aluminum profile cooling
- 冷却池喷水热交换
Spraying in cooling pond for interchange of heat

粉尘控制 Dust control

- 煤和沙土运送中进行扬尘控制
Dust control in coal and sand convey
- 洗涤塔中去除灰尘
Dust remove in washing tower
- 卸料车的灰尘抑制
Dust control of throw-off carriage

气体调节 Gas adjustment

- 空气调节系统里空气清洗
Air washing in air adjustment system
- 离心式湿式收集器
Centrifugal wet-type collector
- 洗涤喷漆室空气
Air washing in spray room
- 喷射氨水以消除氧化氮
Remove nitric oxide by spraying ammonia water

打标 Marking

- 无纺产品的缺陷标记
Non-woven products defect marking
- 建材的划线标记
Building materials marking-out

润滑 Lubrication

- 齿轮润滑
Gear lubrication
- 压膜润滑
Pressed film lubrication
- 液压机加油
Hydraulic machine refuel
- 润滑刀片和弹簧
Lubricating blade and spring

- 马路清扫机械
Dust control for road cleaning machine
- 木屑运送过程中的压灰
Dust control in wood flour transport
- 水泥厂转运点压灰
Dust control at cement transshipment point
- 反应堆洗系统
Washing system for reactor
- 管道的气体洗涤
Gas washing for pipe
- 空间加湿消除静电
Space humidification to remove static
- 石灰浆喷射脱硫
Spraying lime slurry for desulfurization

- 产品的标识喷涂
Product identify spraying
- 条形码喷涂
Bar code spraying

- 输送带和传动链润滑
Conveyer belt and transmission chain lubrication
- 喷涂脱模剂
Mould release agent spraying
- 钢缆润滑
Wirerope lubrication
- 轴和轴承润滑
Axe and bearing lubrication

喷嘴的材质选择 Choice Of Material For Nozzle

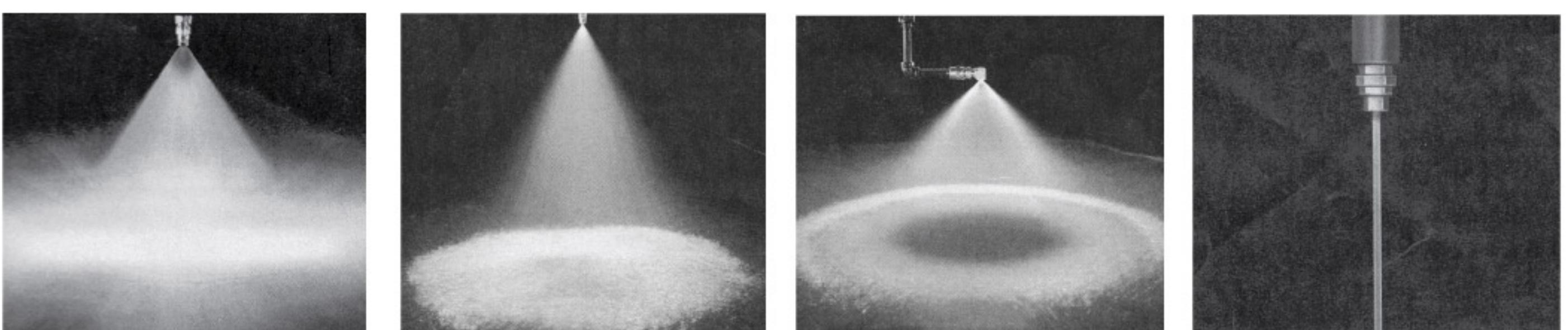
在各类型喷嘴中,鑫厚公司均注明材质的选择,一般工程聚丙烯使用 PP 代号,不锈钢使用 SS 代号,黄铜使用 BRASS 代号,详细表格如下:
For all kinds of nozzles,Xinhou marks out the material,general engineering polypropylene use PP for code,SS for stainless steel,BRASS for brass, the details are as follows.

塑胶类 Plastic	硬质聚氟乙烯 Hard PVF	PVC
	加纤聚丙烯 Fiber Polypropylene	PP
	不加纤聚丙烯 Polypropylene without fiber	PPO
	ABS 材质 ABS Material	ABS
	聚偏二氟乙烯 PVDF	PVDF
	聚硫化苯烯 PPS	PPS
	聚四氟乙烯 Polytetrafluoroethylene	PTFE
	环氧树脂 Epoxy resin	ARALDITE
	强化玻璃纤维 Toughened Fiberglass	FRP

金属 Metal	黄铜 BRASS	BRASS
	303 不锈钢 Stainless steel	303SS
	304 不锈钢 Stainless steel	304SS
	316 不锈钢 Stainless steel	316SS
	316L 不锈钢 Stainless steel	316LSS
	金属钛 Metallic titanium	TN
	硬质合金 Hard alloy	CCA
	铝合金 Aluminium alloy	ALMA
	蓝宝石 Sapphire	SAS
	红宝石 Ruby	RUS

特殊材料 Special material	石墨 Graphite	GRS
	陶瓷 Ceramics	SIS

喷嘴的应用范围 Nozzle's Application



扇形
Fan shape

实心锥形
Full cone

空心锥形
Hollow cone

液柱流形
Pillar fluid

喷嘴流量及喷嘴角度的公差量 Tolerance and nozzle angle nozzle flow

本公司的喷嘴流量的公差一般为 $\pm 5.5\%$ Our nozzle's flow rate tolerance is $\pm 5.5\%$
本公司的喷嘴角度的公差一般为 $\pm 5^\circ$ Our nozzle's spray angle tolerance is $\pm 5^\circ$
本公司的液柱流角度的公差一般为 $\pm 3^\circ$ Our pillar fluid's spray angle is $\pm 3^\circ$

喷嘴的维护保养至关重要 Maintenance to nozzle is very important

在不同的酸碱度,粘度,压力环境中,不同材质的喷嘴损耗不同。客户应根据喷嘴的实际使用状况对喷嘴进行清理维护,甚至更换。当清洗的工作比较脏时,喷嘴很容易造成堵塞。一方面要改变溶液的洁净度,对液体进行过滤处理,一方面要对喷嘴定期处理,使喷射效果发挥正常使用。当溶液酸碱度非常强时,要选用耐强腐蚀材质喷嘴(316L,PVDF)。当溶液浓度非常大时,要选用耐磨损材质喷嘴(陶瓷,合金)。如果喷嘴堵塞而不清理,一方面使工件清理不干净,另一方面造成共压泵的过载运转,使整套设备的运行受到极大的损害。因此,维护保养至关重要。

In the conditions of different PH value, viscosity, and pressure, nozzles with different material wear differently. Customer should do cleaning and maintenance to, even change nozzles regularly according to actual usage condition. When cleaning workpiece is dirty, nozzle is easy to be blocked. On one hand, liquid should be filtered to change the purity of solution, on the other hand, the nozzle should be cleaned regularly to make spraying working properly. When the solution's high density, the material with strong resistant to corrosion should be used (316L, PVDF). When the solution's cleaned and the wear-resisting material should be used (Ceramics, alloy). If nozzle is blocked without clearance, the workpiece can not be cleaned and press pump will be overloaded running, then the whole equipment working function will be damaged. So the maintenance to nozzle is very important.



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喷雾角度和覆盖范围 Spray Angle And Coverage

该表列出喷嘴形状的理论覆盖范围是根据喷嘴夹角和距离喷嘴口距而计算出来的。这些数值是基于喷嘴角度在整个喷嘴距离中保持不变的假设。在实际应用中，列入表内的喷嘴角度不适用于喷嘴距离，实际喷嘴覆盖范围数据图表。

列入表内的喷嘴角以水为基本显示近似喷嘴覆盖范围。在实际喷嘴时，有效喷嘴角度因喷嘴距离而计，如果要求的喷嘴覆盖范围是关键的，可因特定的喷嘴覆盖范围数据。当液体比水黏时，形成的喷嘴角度相对较小（或甚至形成液柱流），其角度取决于黏度，喷嘴流量和喷射压力。表面压力低于水的液体产生相对宽大于按水所列出的喷嘴角度。

The theoretic spray coverage listed as below is calculated according to the spray angle and the distance to spray tip. These data are based on the hypothesis that the spray angle does not change in the whole spray distance. In the practical application, listed spray angle is not applicable to spray distance, actual spray coverage data sheet. Listed spray angle based on water coverage. In the practical spraying, effective spray angle calculated by spray distance. If the required spray coverage is important, the specific spray coverage data can be used. When liquid is thicker than water, the spray angle is relatively smaller. The angle depends on thickness, flow rate and jet pressure. The liquid whose surface pressure is lower than water can produce relatively wider angle than listed water spray angle.

喷嘴夹角 Spray angle	不同距离下(从喷嘴口算起)的理论覆盖范围(厘米) The theoretic spray coverage (from jet tip) at different distance(cm)											
	5cm	10cm	15cm	20cm	25cm	30cm	40cm	50cm	60cm	70cm	80cm	100cm
5°	0.4	0.9	1.3	1.8	2.2	2.6	3.5	4.4	5.2	6.1	7.0	8.7
10°	0.9	1.8	2.6	3.5	4.4	5.3	7.0	8.8	10.5	12.3	14.0	17.5
15°	1.3	2.6	4.0	5.3	6.6	7.9	10.5	13.2	15.8	18.4	21.1	26.3
20°	1.8	3.5	5.3	7.1	8.8	10.6	14.1	17.6	21.2	24.7	28.2	35.3
25°	2.2	4.4	6.7	8.9	11.1	13.3	17.7	22.2	26.6	31.0	35.5	44.3
30°	2.7	5.4	8.0	10.7	13.4	16.1	21.4	26.8	32.2	37.5	42.9	53.6
35°	3.2	6.3	9.5	12.6	15.8	18.9	25.2	31.5	37.8	44.1	50.5	63.1
40°	3.6	7.3	10.9	14.6	18.2	21.8	29.1	36.4	43.7	51.0	58.2	72.8
45°	4.1	8.3	12.4	16.6	20.7	24.9	33.1	41.4	49.7	58.0	66.3	82.8
50°	4.7	9.3	14.0	18.7	23.3	28.0	37.3	46.6	50.6	65.3	74.6	93.3
55°	5.2	10.4	15.6	20.8	26.0	31.2	41.7	52.1	62.5	72.9	83.3	104
60°	5.8	11.6	17.3	23.1	28.9	34.6	46.2	57.7	69.3	80.8	92.4	115
65°	6.4	12.7	19.1	25.5	31.9	38.2	51.0	63.7	76.5	89.2	102	127
70°	7.0	14.0	21.0	28.0	35.0	42.0	56.0	70.0	84.0	98.0	112	140
75°	7.7	15.4	23.0	30.7	38.4	46.0	61.4	76.7	92.1	107	123	153
80°	8.4	16.8	25.2	33.6	42.0	50.4	67.1	83.9	101	118	134	168
85°	9.2	18.3	27.5	36.7	45.8	55.0	73.3	91.6	110	128	147	183
90°	10.0	20.0	30.0	40.0	50.0	60.0	80.0	100	120	140	160	200
95°	10.9	21.8	32.7	43.7	54.6	65.5	87.3	109	131	153	175	218
100°	11.9	23.8	35.8	47.7	59.6	71.5	95.3	119	143	167	191	238
110°	14.3	28.6	42.9	57.1	71.4	85.7	114	143	171	200	229	286
120°	17.3	34.6	52.0	69.3	86.6	104	139	173	208	243		
130°	21.5	42.9	64.3	85.8	107	129	172	215	257			
140°	27.5	55.0	82.4	110	137	165	220	275				
150°	37.3	74.6	112	149	187	224	299					
160°	56.7	113	170	227	284							
170°	114	229										

流量与压力的关系:

喷雾流在同种介质的条件下大致与喷嘴压力的平方根成正比增减，任何喷嘴在某个压力下的流量都可以计算出任意压力的流量，设已知喷嘴流量为 Q_1 ，对应压力为 F_1 ，求已知压力为 F_2 时，未知流量 Q_x ，其关系为：

The relation between flow rate and pressure:

Spray fluid is in proportion to the square root of spray pressure in the same medium. Any flow rate is countable when the nozzle's flow and pressure is known. Set the known flow rate as Q_1 , and corresponding pressure as F_1 , to solve the unknown Q_x based on the known pressure F_2 . The relation is as below:

$$\frac{Q_1 \text{ 流量 /flow rate(L/min)}}{Q_x \text{ 流量 /flow rate(L/min)}} = \frac{\sqrt{F_1 \text{ 压力 /pressure (kg)}}}{\sqrt{F_2 \text{ 压力 /pressure (kg)}}}$$

即 i.e.

$$Q_x = Q_1 \sqrt{\frac{F_2 \text{ 目标压力 /target pressure (kg)}}{F_1 \text{ 已知压力 /known pressure (kg)}}}$$



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单位换算 Unit Conversion

鑫厚公司提供一些换算单位，以方便客户在选型上使用正确的计算方法

We here provide some unit conversion, so that our customers can use right calculating method when choosing products.

面积 Area					
cm ²	m ²	in ²	ft ²		
1	1×10^{-4}	0.155	1.08×10^{-6}		
1×10^4	1	1.55×10^3	10.8		
6.45	6.45×10^{-4}	1	6.94×10^{-3}		
9.30×10^2	9.30×10^{-2}	1.44×10^2	1		

长度 Length					
um	mm	cm	m	in	ft
1	1×10^{-3}	1×10^{-4}	1×10^{-6}	3.94×10^{-5}	3.28×10^{-6}
1,000	1	0.1	1×10^{-3}	3.94×10^{-2}	3.28×10^{-3}
1×10^4	10	1	1×10^{-2}	3.94×10^{-1}	3.28×10^{-2}
1×10^7	1×10^8	100	1	3.94 × 10	3.28
2.54×10^4	25.4	2.54	2.54×10^{-2}	1	8.33×10^{-2}
3.05×10^5	3.05×10^2	3.05×10	3.05×10^{-1}	12	1

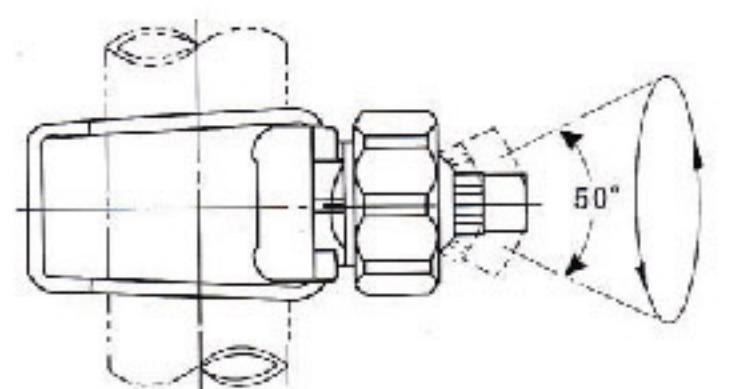
流量 Flow rate						
/Min	m ³ /min	m ³ /hr	in ³ /hr	ft ³ /h	米 gal/min	英 gal/min
1	0.001	0.06	3.66×10^3	2.12	0.264	0.22
1,000	1	60	3.66×10^6	2.12×10^3	264	220
16.67	0.017	1	6.10×10^4	35.3	4.40	3.67
2.73×10^{-4}	2.7×10^{-7}	1.64×10^{-5}	1	5.79×10^{-4}	7.22×10^{-5}	60.1×10^{-5}
0.472	4.72×10^4	0.028	1.728	1	0.125	0.104
3.79	0.004	0.227	1.39×10^4	8.02	1	0.833
4.55	0					

26988 夹扣喷嘴 Clip-eyelet nozzle



底座 Clip-eyelet bodies			
喷头 Quick-connect tips			螺纹球+螺纹喷嘴 Threaded ball plus threaded nozzle

材料特性 Material



部件 Components	材质 Texture
帽盖 Cap	碳纤维增强聚丙烯, 含纤量 25% 耐热最高温 82°C, 耐化学腐蚀性能优良
喷头 Spray tips	Carbon fiber reinforced polypropylene fiber content:25%
底座 Base	Max operating temperature is 82°C Excellent chemical resistance
弹簧夹 Spring clip	经淬火的 304 不锈钢 304 Stainless steel
密封圈 Seal ring	丁腈橡胶 Nitrile rubber 氟橡胶 Fluorine rubber

设计特点 Design Feature

- 可调球形喷嘴有两种连接方式: 夹扣型(26988系列)和螺纹型(155系列)。夹扣型喷嘴通过弹簧固定在集管上; 螺纹型喷嘴则采用螺纹连接方式。
- 可调球形喷嘴提供空心锥形, 实心锥形, 扇形三种喷雾模式。在使用过程中, 你可以快速精确地调整喷头的喷射方向, 使它总处在最佳的工作状态。
- 可调球形喷嘴的喷头拆卸非常快速, 可以不用任何工具, 直接用手可旋下。从喷嘴体中拆下球形喷头螺纹或快拆球便可插入新的喷头。

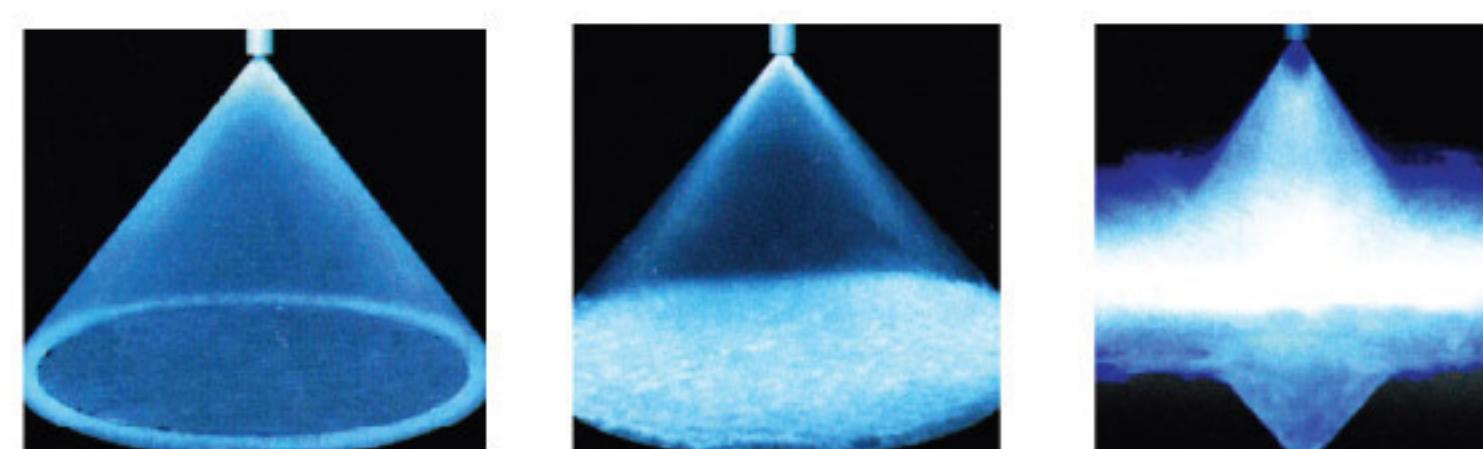
- Adjustable ball-type nozzle has two types of connection; Clamp type (26988 series) and Threaded type(155 series). Clamp spray nozzle is fixed on the pipe by clamp, threaded type is to be fixed by threaded connection.
- Adjustable ball-type nozzle can offer three types of spraying; Full cone type,hollow cone type, fan type. You can precisely adjust the spray direction anytime and make it under the best working operation.
- Ball-type tip is very quick to detach or connect. It can be detached or connected without any tools, and connect new spray tip.

夹扣型喷嘴规格 Size Of Clip-eyelet Nozzle

型号 Style No.	夹管外径 (英寸) Pipe dia(inch)	夹管尺寸 (毫米) Pipe dia(mm)	水管开孔直径 (毫米) Pipe cut-out(mm)
26988	1	32-35	14
	1-1/4	38-43	16
	1-1/2	44-51	18
	2	54-60	20

螺纹型喷嘴规格 Threaded Nozzle Size

型号 Style No.	连接螺纹尺寸 (英寸) Connecting thread size(inch)
155	1/8
	1/4
	3/8
	1/2



26988 夹扣喷嘴 Clip-eyelet nozzle

性能数据 Performance Data

空心锥形喷头 Hollow cone spray tip



喷头型号	流量 (升 / 分) Flow rate (liters/minute)							喷射角度 Spray angle		
Style No.	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
AT15-30.1	6.2	8.8	10.4	12.6	14.5	17.6	20.2	46°	49°	51°
AT25-30.1	7.5	10.7	12.7	15.4	17.6	21.4	24.6	45°	47°	50°
AT55-50.1	13.5	19.0	22.7	27.8	32.0	39.2	45.2	38°	46°	48°
AT55-50.3	13.5	19.0	22.7	27.6	31.8	38.7	44.4	75°	45°	76°

扇形喷头 Fan shaped spray tip



喷头型号 (在 3 巴时的喷射角度) Spray tip style (at 3bar spray angle)							流量 (升 / 分钟) Flow rate (L/min)					
15°	25°	40°	50°	65°	80°	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar
				CT6510	CT8010	1.2	1.9	2.3	2.8	3.2	3.9	4.6
		CT4020	CT5020	CT6520		2.5	3.8	4.6	5.6	6.5	7.9	9.1
CT2530	CT4030	CT5030	CT6530			3.7	5.7	6.8	8.4	9.7	11.8	13.7
	CT4040	CT5040	CT6540	CT8040		5.0	7.6	9.1	11.2	12.9	15.8	18.2
CT550	CT4050	CT5050	CT6550			6.2	9.5	11.4	14.0	16.1	19.7	23
	CT2560	CT4060	CT5060	CT6560	CT8060	7.5	11.4	13.7	16.7	19.3	24	27
CT1570	CT1570	CT4070	CT5070	CT6570	CT8070	8.7	13.3	16.0	19.5	23	28	32
CT15100	CT15100	CT40100	CT50100	CT65100	CT80100	12.5	19.1	23	28	32	39	46

实心锥形喷头 Full cone spray tip



喷头型号	流量 (升 / 分) Flow rate (liters/minute)							喷射角度 Spray angle		
Style No.	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
BT6	1.6	2.3	2.6	3.2	3.7	4.5	5.1	69°	74°	68°
BT12.5	3.4	4.8	5.4	6.8	7.7	9.3	10.6	69°	74°	68°
BT25	6.7	9.5	10.9	13.5	15.4	18.6	21	64°	67°	63°
BT50	13.5	19.1	21.9	27	31	37	42	91°	94°	88°

螺纹球规格 Threaded ball size



螺纹球型号	螺纹尺寸 (英寸)
Style No.	Thread size(inch)
BL2	1/4
BL3	3/8

一般应用 Common application

- 金属清洗 Cleaning
- 喷涂 Coating
- 表面处理中的脱脂, 磷化 Degreasing, phosphating in the process of surface treatment
- 其他低压应用 Other low pressure of application

订购信息 Order information

26988	1	D14	PP	CT6530	PP
Nozzle type	Pipe size	Hole's dia. on pipe	Material	Spray tip type	Material
155	3/8	PP	+	QC6505	PP
Nozzle type	Thread size	Material	Spray tip type	Material	

G混流喷嘴 Mixing Eductor Nozzle

设计特点 DESIGN FEATURE

根据 Bernoulli 射流引力原理，采用合理的几何曲面参数设计而成，流体从锥形喷嘴高速射出，在引导口周围形成低压区域。由于区域压力差以及流动量作用于吸引液体，使高速工作射流与被吸引液体以 1:4 流体输量进入混合扩散段喷射出来，达到溶液无空气混合搅拌。

This model is according to Bernoullijet principle and designed by reasonable Geometric surface parameters. Liquid jet from cone nozzle at high speed, and cause a low pressure area around leading opening. Hight speed flow and liquid spray from mixing diffuser by 1:4

功能特性 PERFORMANCE FEATURE

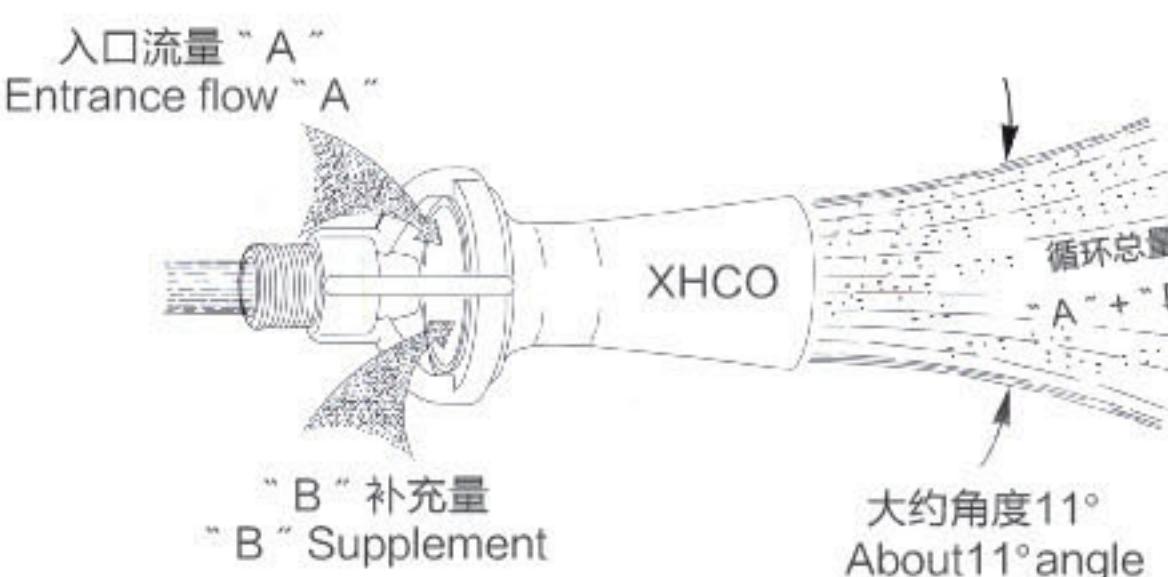
- 实现溶液无空气混合搅拌，减少溶液氧化分解
- 强化溶液循环紊流运动，提高溶液混合效果
- 促进溶液均匀度，提高工件表面处理质量
- mixing solution without air, reduce oxidation.
- Improve mixing effect.
- Improve evenness of solution and surface processing quality of workpiece.

混流喷嘴 Mixing Eductor Nozzle

材料特性 MATERIAL FEATURE

M型混流喷嘴采用高性能材料—碳纤维增强聚丙烯压铸成型，以及不锈钢材质，具有极好的耐化学物质腐蚀和耐老化性能，耐热高达120°C。

M Model mixing nozzle adopt high-performance material: Carbon fiber polypropylene die-casting, and also stainless steel, with excellent chemical resistance, ageing resistance, max performance temperature is 120°C.



入口接头 NPT 或 BSPT(M) Inlet connector NPT or BSPT(M)	大面积流量 Large area of flow	输入液压 Input hydraulic pressure							入口接头 NPT 或 BSPT(M) Inlet connector NPT or BSPT(M)	大面积流量 Large area of flow	输入液压 Input hydraulic pressure							
		10 psi	15 psi	20 psi	25 psi	30 psi	35 psi	40 psi			0.5 psi	1 psi	1.5 psi	2 psi	2.5 psi	3 psi	3.5 psi	4 psi
1/4	入口流量 (升/分) Entrance flow (L/min) "A"	3.5	4.3	5.0	5.5	6.1	6.6	7.0	7.8	入口流量 (升/分) Entrance flow (L/min) "A"	11.3	16.0	19.5	23	25	28	30	32
		9	11	12.5	14	16	17	18	20		29	42	51	59	65	70	77	82
		13.5	17	19	21	23	25	27	30		43	64	74	85	97	106	116	124
		33	40	47	53	58	63	66	75		106	151	184	215	243	259	288	308
3/8	补充量 (升/分) Supplement (L/min) "B"	12.7	15.1	17.8	19.6	22	24	26	29	补充量 (升/分) Supplement (L/min) "B"	42	59	72	84	93	102	110	118
		36	44	50	56	64	68	72	80		116	168	204	236	260	280	308	328
		54	68	76	84	92	100	108	120		172	256	298	340	388	424	464	496
		132	160	188	212	232	252	264	300		424	604	736	860	972	1036	1152	1232
3/4	循环总量 (升/分) Total circulation (L/min) "A+B"	16.2	19.4	22.8	25.1	28.1	30.6	33	36.8	循环总量 (升/分) Total circulation (L/min) "A+B"	53.3	75	91.5	107	118	130	140	150
		45	55	62.5	70	80	85	90	100		145	210	255	295	325	350	385	410
		67.5	85	95	105	115	125	135	150		215	320	370	425	485	530	580	620
		165	200	235	265	290	315	330	375		530	755	920	1075	1215	1295	1440	1540
1-1/2	有效范围(米) Effective range(m)	3	5	7	8.5	10	12	14	17	有效范围(米) Effective range(m)	0.91	1.5	2.1	2.6	3.0	3.7	4.3	5.2
		4	6	8	10	12	14	17	22		1.2	1.8	2.4	3.0	3.7	4.3	4.9	6.7
		5	8	11	14	17	20	16	33		1.5	2.4	3.4	4.3	5.2	6.1	7.3	10.1
		7.5	12	16	20	24	29	24	46		2.3	3.7	4.9	6.1	7.3	8.8	10.4	14.0

混流喷嘴规格 Mixing Nozzle Size

型号 Style No.	入口接头(英寸) Inlet connector(inch)	L(mm)	D(mm)	C(mm)
G40	1/4	70	30	23
G60	3/8	115	50	38
G90	1/2	115	50	38
G130	3/4	165	65	50

订购信息 Order information

G40	1/4	PP
型号 Model	入口尺寸 Inlet size	材质 Material

F吹风喷嘴 Windjet Nozzle

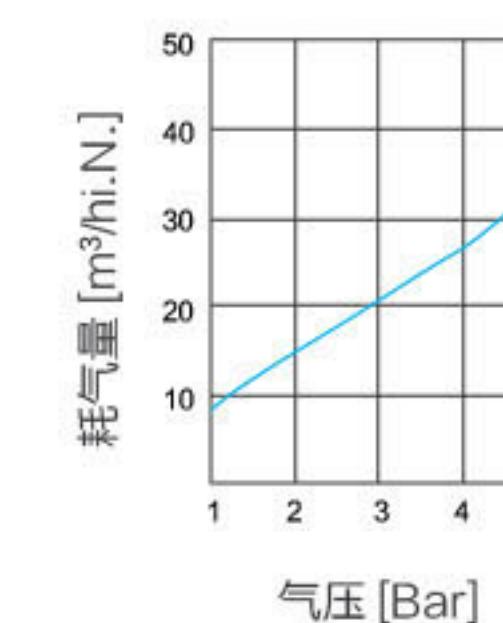
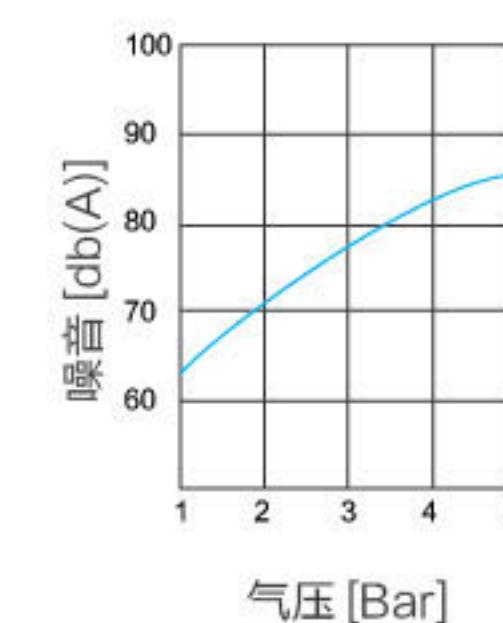
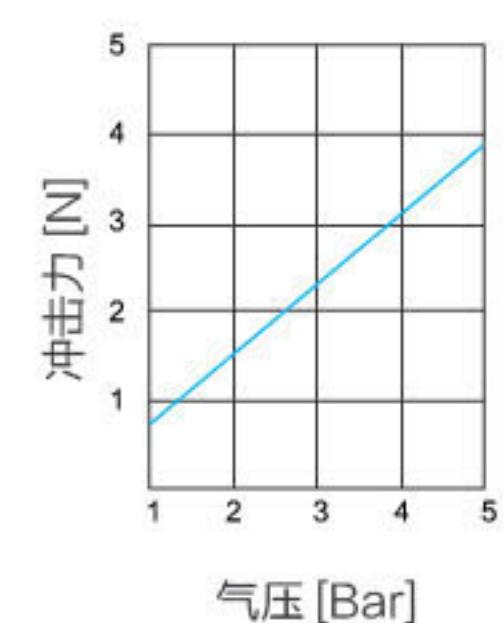
- F 型吹风喷嘴可喷出高冲力，扇形空气流，专为工艺处理中的各种吹风应用而设计。
- F 型吹风喷嘴采用 ABS 塑料或铝合金材质制作。喷嘴设计有多个柱形喷射气孔，空气由此吹出而形成扇形和圆形空气流。喷嘴内部结构设计符合空气动力学原理有效降低了运行时气阻，确保了吹风喷嘴在降低工作噪音和空气耗量的同时也能获得高气流冲力。
- F 型吹风喷嘴适用于 1/4 英寸的 BSPT 外螺纹连接头，并设有定位孔 (ABS 喷嘴)，便于喷嘴的并排安装，其形成的组合式风刀能产生有效的空气帘。
- F 型塑料吹风喷嘴能承受的气压为 7 巴，在此气压下耐温可达 77°C。
- F 型铝合金吹风喷嘴能承受 30 巴左右气压并耐 250°C 高温。



- F style windjet nozzle generate efficient fan shaped air current.

- Designed to maintain spray pattern integrity.
- Available in materials that withstand high temperature, like ABS or aluminum alloy.
- F style windjet nozzle is applicable to 1/4" BSPT made connector and designed with a locating hole(ABS spray nozzle)in order to be mounted side-by-side for air curtain applications.
- F style plastic windjet nozzle can endure 7 bar air pressure,at this air pressure,max operating temperature is 77°C.
- F style aluminum alloy windjet nozzle can endure 30 bar pressure,at this air pressure,max operating temperature is 250°C.

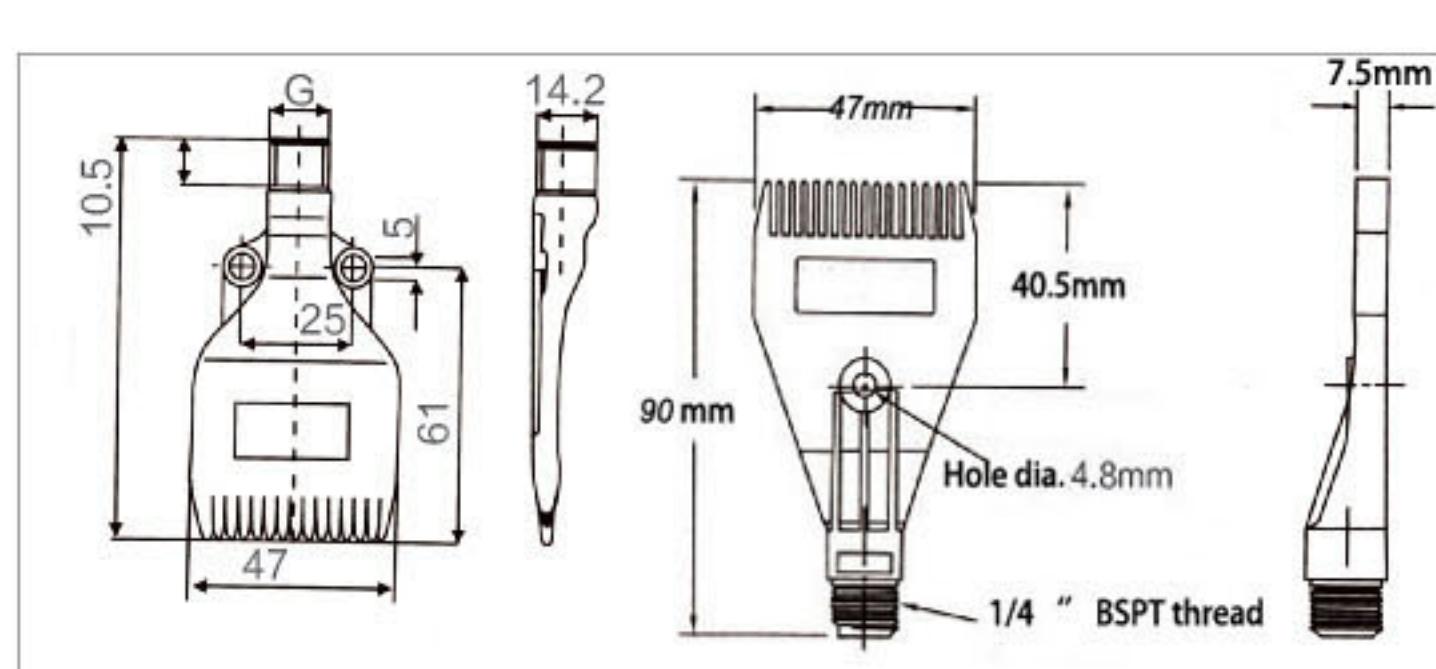
性能数据 Performance Data



一般应用 Common Application

- 零件冷却
- Cooling
- 零件干燥
- Drying
- 零件洗涤
- Cleaning
- 材料的移动
- Moving material
- 引纸
- Direct paper

外形尺寸 Product Size



订购信息 Order information

- F1/4-ALMA 铝合金材质 Aluminum alloy
F1/4-ABS 塑料材质 ABS

SPJT螺旋喷嘴 SPJT Spiral Nozzle

设计特点 Design Feature

螺旋喷嘴 (SPJT) 是一种实心锥形或空心锥形喷雾喷嘴, 喷流角度范围可为 60° - 170° , 在 3 巴压强下, 液体流率范围为 5.5-4140 升 / 分。

这种结构紧凑的喷嘴有着畅通的流道设计, 可以最大程度的减少液体阻塞, 使液体在给定尺寸的管道上达到最大的流量。

螺旋喷嘴可以在大多数管道系统上安装或更新。可提供的喷嘴有 NPT 或 BSPT (外) 螺纹型。

通常 1/4 英寸 - 2 英寸的喷嘴可分别用黄铜、316 不锈钢铸件、TEFLON 聚四氟乙烯材料制造的。如需应用于特殊领域, 也可采用其他材料制造。

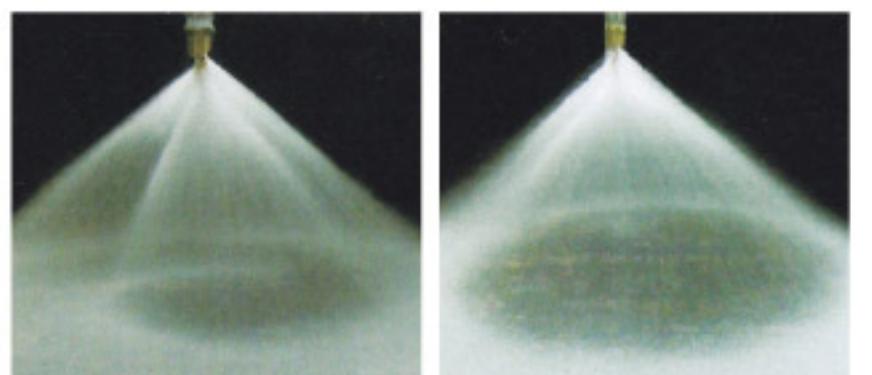


性能数据 Performance Data

螺纹尺寸 Thread size NPT or BSPT (外 male)	喷流角度 Spray angle (0.7 巴时 at 0.7bar)					流量代码 Flow code	喷孔孔径 Spray hole Dia(mm)	自由畅通 直径 Free flowing Dia.(mm)	流量(升/分) Flow rate(L/min)				
	60°	90°	120°	150°	170°				0.7bar	1.5bar	3bar	7bar	25bar
1/4	●	●	●			07	2.4	2.4	2.6	3.9	5.5	8.4	16
	●	●	●	●	●	13	3.2	3.2	4.9	7.3	10.3	15.7	30
	●	●	●	●	●	20	4.0	3.2	7.6	11.2	15.8	24	46
3/8	●					07	2.4	2.4	2.6	3.9	5.5	8.4	16
	●					13	3.2	3.2	4.9	7.3	10.3	15.7	30
	●		●	●	●	20	4.0	3.2	7.6	11.2	15.8	24	46
	●	●	●	●	●	30	4.8	3.2	11.4	16.7	24	36	68
	●	●	●	●	●	40	5.6	3.2	15.1	22	32	48	91
	●	●	●	●	●	53	6.4	3.2	20	30	42	64	121
	●	●	●	●	●	82	7.9	3.2	31	46	65	99	187
1/2	●	●	●	●	●	120	9.5	4.8	45	67	95	145	270
	●	●	●	●	●	164	11.1	4.8	62	92	129	198	370
3/4	●	●	●	●	●	210	12.7	4.8	80	117	166	255	480
1	●	●	●	●	●	340	15.9	6.4	130	190	270	410	775
	●	●	●	●	●	470	19.1	6.4	179	260	370	565	1070
1-1/2	●	●	●	●	●	640	22.2	7.9	245	355	505	770	1460
	●	●	●	●	●	820	25.4	7.9	310	455	645	990	1870
	●	●	●	●	●	960	28.6	7.9	365	535	755	1160	2190
2	●	●	●	●	●	1400	34.9	11.1	535	780	1105	1690	3190
	●	●	●	●	●	1780	38.1	11.1	680	995	1405	2150	4060
3	●	●	●			2560	44.5	14.3	980	1430	2020	3090	5830
	●	●	●			3360	50.8	14.3	1280	1880	2650	4050	7660
4	●	●	●			5250	63.5	15.9	2000	2930	4140	6330	11960

*压强更大时需用黄铜和铸型316不锈钢喷嘴。Brass and casing 316 stainless steel should be used as material when pressure is higher.

喷雾模式 Spray Pattern



实心锥形
Full cone

空心锥形
Hollow cone

订购信息 Order information

SPJT	1/4	SS	120	07	备注: Remark:
喷嘴	管子	材料	喷流	流量	BRASS- 黄铜 SS- 不锈钢 Stainless steel
型号	尺寸	代码	角度	大小	316SS-316 不锈钢 Stainless steel
Nozzle type	Pipe size	Material	Spray angle	Flow TEF-TEFLON 聚四氟乙烯 PP- 聚丙烯	TEF-TEFLON Polytetrafluoroethylene PP- Polypropylene

一般应用 Common Application

- 废气洗涤
- 气体冷却
- 洗涤与漂淋过程
- 防火灭火
- Waste gas washing
- Gas cooling
- Washing and rinsing process
- Fire proof and extinguishment

QJJ/B快拆喷嘴 Quick-connect Nozzle

设计特点 Design Feature

● 快速方便的喷头更换技术

快拆喷嘴结构设计新颖科学, 喷嘴体和喷头可以迅速分离。只要用手将喷头旋转 90° , 就可以拆下, 无需任何工具。因此可以显著减少维修时间。

喷头内有一个内装式挡块, 使喷头在装入喷嘴体之后会锁定正确位置, 避免了费时的手工调整。因此每次安装都可确保完全校准, 清除了由于喷嘴校准误差而产生的品质控制问题。

● 耐化学腐蚀, 耐磨损

快拆喷嘴可分别采用玻璃纤维增强聚丙烯 (含纤 25%) 和聚偏二氟乙烯 (PVDF) 制造而成, 均具有强度高, 耐磨损和耐化学腐蚀的优点, 而都能防止冲洗液结块和聚积, 非常适用于磷酸, 盐类, 酸类, 溶剂类其它腐蚀性溶液的冲洗, 漂洗和清洗应用要求。其中, 玻璃纤维增强聚丙烯耐热最高温 82°C. 而聚偏二氟乙烯 (PVDF) 是一种高纯度材料, 可保持加工环境高度净化, 7KG 压力下耐热可高达 148°C.

● 广泛的流量选择

喷嘴体可有 1/8", 1/4" , 3/4" 三种规格, 内层 O 形丁晴橡胶密封圈确保喷嘴体和喷头之间的绝对密封。快拆喷嘴的喷头具有特殊的外形, 以便抓握。喷头可提供扇形, 实心锥形和空心锥形三种喷雾模式, 并有多种流量和角度可供选择。

● QUICK CHANGE SPRAY TIPS

Quick-connect nozzle adopt new design.body and spray tip can be quickly detached without any tools, which reduce much maintenance time. There is a builtin link stopper inside spraytip which make sure to fix precise location when connecting with the body. It avoid wasting time to adjust by hand.

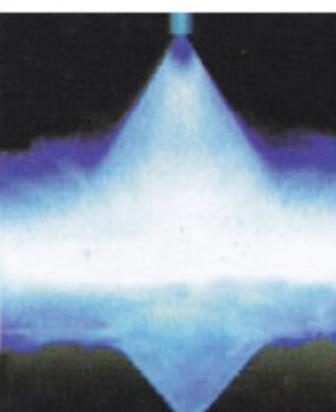
● RESISTANCE TO CHEMICAL CORROSION AND ABRASIVE WEAR

Quick-connect nozzle made by new design, adopt glass fiber reinforced polypropylene (fiber content:25%) and PVDF. Both have advantage of resistance to chemical corrosion and abrasive wear. Glass fiber reinforced polypropylene max operating temperature is 82°C. PVDF is a high purity material, which can keep highly purified processing environment and max operating temperature is 148°C.

● WIDE OPTIONS OF FLOW RATE

The quick-connect nozzle has three size 1/8", 1/4" and 3/4". The Nitrile rubber O ring can make sure absolute seal between body and spray tip. The spray tip can provide three types of spraying, Flat fan, full cone and hollow cone, with several flow rate and angle for your choices.

快拆扇形喷头 Quick-connect Flat Fan Tip



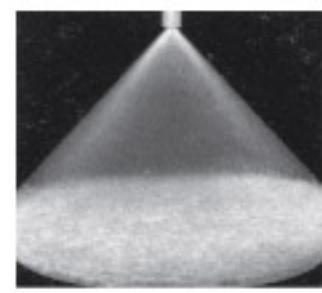
喷头型号 (在 3 巴时的喷射角度) Style No.(spray angle at 3bar)					流量 (升 / 分钟) Flowrate(Liters/minute)									
50°	65°	80°	95°	110°	0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	14bar	
QC5001	QC6501	QC8001	QC9501	QC11001	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.85	
QC5002	QC6502	QC8002	QC9502	QC11002	0.25	0.45	0.64	0.79	0.91	1.0	1.1	1.2	1.7	
QC5003	QC6503	QC68003	QC69503	QC611003	0.37	0.69	0.97	1.2	1.4	1.5	1.7	1.8	2.6</td	



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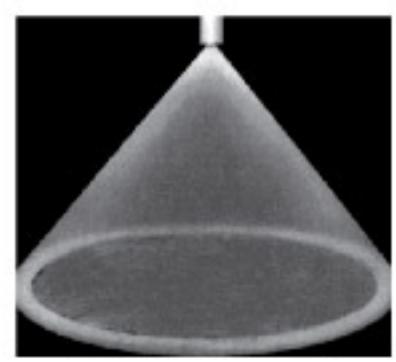
QJJ/B快拆喷嘴 Quick-connect Nozzle

快拆实心锥形喷头 Quick-connect Full Cone Tip



喷头型号	流量(升/分) Flow rate (liters/minute)												喷射角度 Spray angle
	0.5bar	0.7bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
QB1	0.25	0.38	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3	-	58°	53°
QB2	0.65	0.76	1.0	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43°	50°	46°
QB3	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52°	65°	59°
QB3.5	1.1	1.3	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43°	50°	46°
QB5	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52°	65°	59°
QB6.5	2.1	2.5	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45°	50°	46°
QB10	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58°	67°	61°

快拆空心锥形喷头 Quick-connect Hollow Cone Nozzle



喷头型号	流量(升/分) Flow rate (liters/minute)												喷射角度 Spray angle
	0.2bar	0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar
QA0.5	-	0.16	0.23	0.28	0.32	0.39	0.46	0.51	1.56	0.60	-	58°	69°
QA1	-	0.32	1.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	-	65°	76°
QA2	-	0.64	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	53°	70°	80°
QA3	-	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	55°	79°	80°
QA5	-	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	70°	75°	79°
QA8	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	65°	72°	74°
QA10	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	70°	76°	75°
QA15	3.1	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	70°	72°	75°
QA5W	-	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	125°	112°	98°
QA8W	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	112°	100°	87°
QA10W	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	111°	97°	89°
QA15W	3.1	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	110°	98°	90°

快拆喷嘴 Quick-connect Nozzle

一般应用 Common Application

- 印刷电路板的生产
- 产品清洗、漂洗
- 金属部件磷化
- 冷却
- 加湿
- 化学制造业
- 除尘控制
- Production of print circuit board
- Cleaning or rinsing
- Phosphating of metal components
- Cooling
- Humidifying
- Chemical manufacturing
- Dedusting, dust control

喷嘴体型号 Nozzle body Model	入口接头(英寸) Inlet connector(inch)
QJJ 1/8	1/8
QJJ 1/4	1/4
QJJ 3/8	3/8
QJJB 1/4	1/4(弯头)

订购信息 Order information

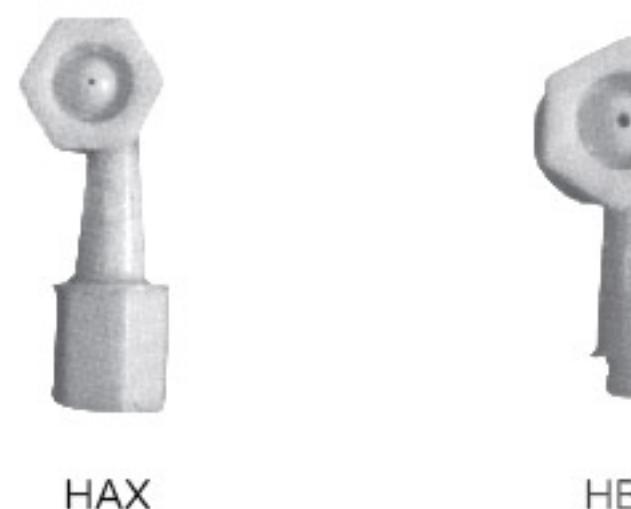
请注明喷嘴体型号和接头型号 Please note Nozzle body Model and spray tip style No.	
Nozzle body Model 喷嘴体型号	QJJ 1/4-PP
Spray tip style No. 喷头型号	QB5-PP

QJJ 1/4-PP+QB5-PP



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BB/CC/HAX/HBX一体式喷嘴 One-piece Nozzle



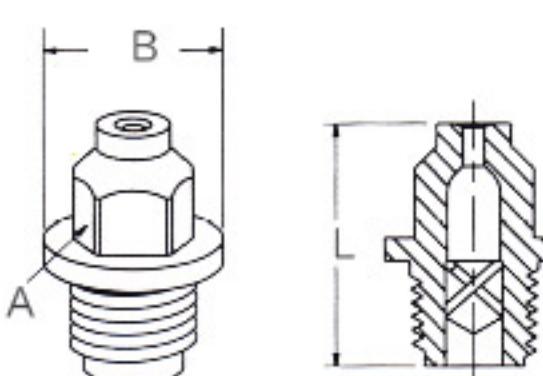
HAX 与 HBX 型喷嘴具有大而通畅的内部流道，最大

程度的减少了内部堵塞现象。切线旋流式设计产生均匀的雾化颗粒，空心锥形喷雾。

HAX and HBX style nozzle have big and clear inside flow pass, which minimizes the block inside. The design of tangent vortex brings the uniform atomized particles, hollow cone spray.



PVDF一体式实心锥形喷嘴规格 PVDF One-piece Full Cone Nozzle Size



喷嘴型号 Nozzle type	喷嘴入口尺寸 Nozzle inlet size	"A"六边形 Sexangle	"B"直径 Dia	"C"长度 Length
BB 1/8-KY	1/8"	9.5mm	15.9mm	22.2mm
BB 1/4-KY	1/4"	12.7mm	19.1mm	25.4mm
BB 3/8-KY	3/8"	12.7mm	19.1mm	26.2mm

性能数据 Performance Data

入口尺寸 Inlet size	流量代码 Flow code	喷孔孔径 Orifice Dia	流量(升/分) Flow rate (liters/minute)							喷射角度 Spray angle		
			0.7bar	1.5bar	2bar	3bar	4bar	6bar	7bar	0.7bar	1.5bar	6bar
1/8"	KY1.3	1.0mm	0.50	0.70	0.80	0.97	1.1	1.3	1.4	52°	65°	59°
	KY3	1.5mm	1.1	1.6	1.9	2.2	2.5	3.1	3.3	52°	65°	59°
	KY4	1.9mm	1.5	2.2	2.5	3.0	3.4	4.1	4.4	52°	65°	59°
	KY6	2.3mm	2.3	3.2	3.7	4.5	5.1	6.1	6.6	67°	75°	82°
1/4"	KY6	2.3mm	2.3	3.2	3.7	4.5	5.1	6.1	6.6	67°	75°	82°
	KY8	2.4mm	3.0	4.3	4.9	6.0	6.8	8.2	8.8	58°	70°	64°
	KY6	2.3mm	2.3	3.2	3.7	4.5	5.1	6.1	6.6	67°	75°	82°
3/8"	KY8	2.4mm	3.0	4.3	4.9	6.0	6.8	8.2	8.8	58°	70°	64°
	KY10	2.8mm	3.8	5.4	6.2	7.4	8.5	10.2	11.0	58°	70°	64°

一般应用 Common Application

- 清洗
- 蚀刻
- 冲影
- Cleaning
- Etching
-

一体式喷嘴 One-piece Nozzle

性能数据 Performance Data

Flat Fan Spray 扇形喷雾

在 3 巴下的喷射角度 Spray angle at 3 bar							喷孔孔径 spray orifice Dia	流量 (升 / 分) Flow rate (L/min)										
40°	50°	65°	80°	95°	110°	120°		0.3巴	1巴	2巴	3巴	4巴	5巴	6巴	7巴	10巴	20巴	35巴
		6502	8002	9502	11002		0.91mm	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7
		6503	8003	9503	11003		1.1mm	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0
		6504	8004	9504	11004		1.3mm	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4
		6505	8005	9505	11005		1.4mm	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7
		6506	8006	9506	11006		1.6mm	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1
		6508	8008	9508	11008		1.8mm	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8

Flat Fan Spray 扇形喷雾

在 3 巴下的喷射角度 Spray angle at 3 bar							喷孔孔径 spray orifice Dia	流量 (升 / 分) Flow rate (L/min)										
40°	50°	65°	80°	95°	110°	120°		0.3巴	1巴	2巴	3巴	4巴	5巴	6巴	7巴	10巴	20巴	35巴
		6510	8010	9510	11010		2.0mm	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5
		6515	8015	9515	11015		2.4mm	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20
		6520	8020	9520	11020		2.8mm	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27
		6530	8030	9530	11030		3.6mm	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40
		6540						5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54
		6550						6.2	11.4	16.1	19.7	23	25	28	30	36	51	68

订购信息 Order information

确定喷嘴类型及流量编码 Nozzle type+Flow code

CC-H1/4U-KY6501 CC H1/4U-KY6501

CC-HB1/4U-KT6510 CC-HB1/4U-KY6510

PVDF嵌陶瓷特性 Feature Of Nozzle With Ceramics Embedded In PVDF

将高纯度和高强度的陶瓷嵌体安装在 PVDF

High purity and intensity ceramics

壳体内，使用寿命长。

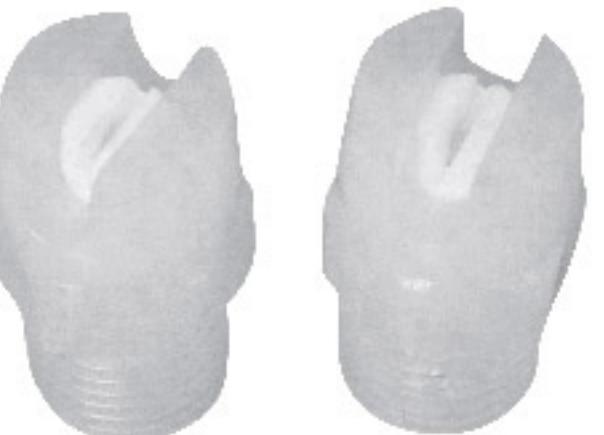
embedded in PVDF

喷射角度为 65° 和 90° .

Long life time Spray angle:65° and 90°

流量范围: 2.0~3.0 升 / 分钟 (在 0.3 巴时)

Flow rate range:2.0~3.0L/min(at 0.3 bar)



一般用途 Common Application

- 印刷电路板清洗 ● PCB cleaning
- 液晶板清洗 ● LCD plate cleaning
- 火山灰冲洗 ● The ash flushing

材质 Material

- 嵌体部分: 陶瓷 ● Inlay: Ceramic
- 壳体部分: PVDF ● Shell: PVDF

PVDF陶瓷嵌体喷嘴 Nozzle With Ceramics Embedded In PVDF

型号 Style	流量 (升 / 分) Flow rate (L/min)							喷射角度 (压力 0.3 巴) Spray angle(At 3 bar)
	0.05	0.1	0.2	0.3	0.4	0.6	0.8	
YB 1/4P MVD FVP-6520I	0.8	1.2	1.6	2.0	2.3	2.8	3.3	3.7
YB 1/4P MVD FVP-6530I	1.2	1.7	2.4	3.0	3.5	4.2	4.9	5.5
YB 1/4P MVD FVP-9020I	0.8	1.2	1.6	2.0	2.3	2.8	3.3	3.7
YB 1/4P MVD FVP-9030I	1.2	1.7	2.4	3.0	3.5	4.2	4.9	5.5



强冷/强热风嘴 Strong cold/hot nozzle

设计特点 Design Feature



QH 可调式强热风嘴
QH adjustable hot air shower nozzle
QH 固定强热风嘴
QH fixed hot air shower nozzle



QY 斜口式强热风嘴
QY beveled hot air shower nozzle
BQ 可调强冷风嘴
BQ adjustable cold air shower nozzle

QH 系列热风循环风淋喷嘴由特殊工艺机械拉伸的长颈喇叭风口和可调低底座组成,经絮流的热风经加速后迅速向四周以一定的风速扩散达到热风循环搅动空气的作用,对连续的隧道流水线和大工件的烘干、局部送风、净化单元是理想的专业喷嘴,可用 304 不锈钢板、镀锌板、镀铝板、铝板、电解板等金属材料制作。BQ 可调式强冷风嘴是由封嘴、内底座、外底座及固定法兰组合。两底座在固定风嘴的位置之间有密封条,起密封和消音作用。根据风压一定,喷嘴孔横截面积越小,风速越大的原理,(即 $V=F/S$ F 指风压, S 指喷孔横截面积)。进风口与出风口直径的递减加快,使得该喷嘴具有“强冷风嘴”的美称。一般采用金属材质冲压成型,镀锌板、镀铝板、铝板、电解板在特别的应用条件采用冲压并抛光镜面处理。

QH series circulation strong hot nozzles are made by special process of mechanical stretching long necked bell-mouth opening and adjustable base. The flow of hot air spread around quickly to function as hot air circulation and stirring air. It's ideal nozzle for the tunnel continuous lines, larger workpiece drying, local air supply and purification.

The material can be 304 stainless steel plate, galvanized plate, aluminized Steel plate, aluminum plate, electrolytic plate etc.

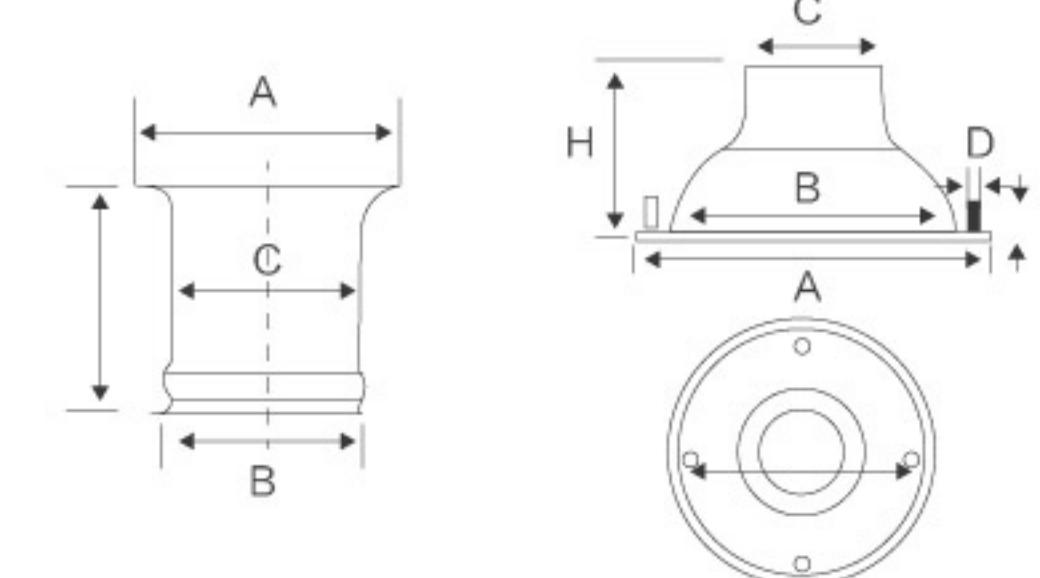
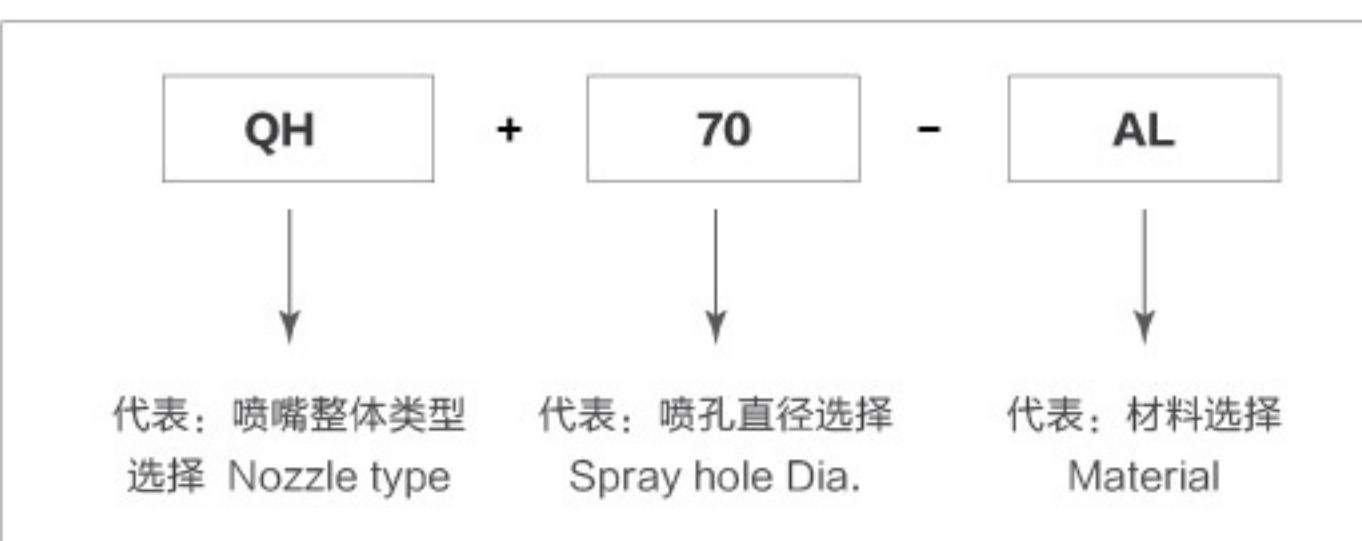
BQ adjustable cool air shower nozzle is composed of opening, inner base, outer base and fixed flange. There is seal strip between two bases and fixed nozzle position for sealing and noise reduction. According to the theory that under fix air pressure, the air speed is bigger, while the nozzle hole cross-sectional area is smaller ($V=F/S$ F is air speed, and S is cross-sectional area).

The decreasing of air inlet and outlet speed up, which gets the nozzle called "Strong cool air nozzle". Material is press forming metal, galvanized sheet, aluminized Steel Sheet, aluminum sheet, electro-Galvanized Steel. At special demands, the material is by forming and polishing process.

强热及强冷喷嘴参数: Hot/cold Air Shower Nozzle Performance Data

型号规格 Model Spec.	BQ-40	BQ-50	BQ-60	BQ-70	QH-70	QH-100
有效面积 effective area	0.00126	0.00196	0.00331	0.00385	0.00385	0.0085
通风量 Air volume m³/h	V=2m/h	9	14	24	28	58
	V=3m/h	14	21	36	40	92
	V=4m/h	18	28	48	55	123
	V=5m/h	23	35	60	69	154
	V=6m/h	27	42	72	83	184
	V=7m/h	32	49	84	97	215
外形尺寸 Dimension(mm)	A	Φ143	Φ143	Φ143	Φ115	Φ165
	B	Φ110	Φ110	Φ110	Φ100	Φ156
	C	Φ40	Φ40	Φ40	Φ70	Φ100
	H	Φ85	Φ85	Φ85	100	145
	N	3	3	3	-	-
	Φ	M5	M5	M5	115	Φ145

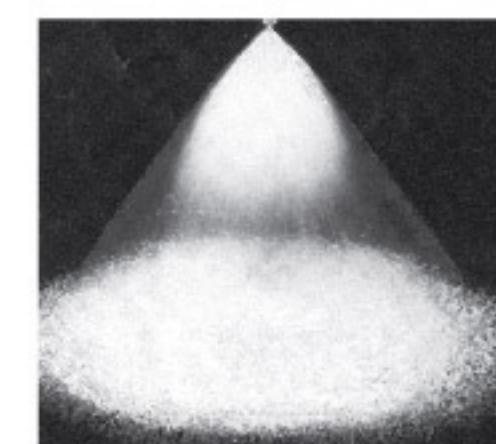
订购信息 Order information



实心锥形喷嘴·圆形喷雾 Full Cone Nozzle-round Spray Area



设计特点 Design Feature



标准 Fulljet 喷嘴的特点是能产生实心锥形喷雾形状,喷射区域呈圆形,喷射角为 43° - 106° 。

Fulljet 喷嘴能在大范围的流率和压力下产生分布均匀,液滴大小为中等到偏大的喷雾,这种均匀的喷雾分布来源于独特的叶片设计和大而畅通的流道以及优良的控制特性。

Fulljet 喷嘴经精密制造,达到了精密的尺寸,确保准确而可靠的性能。这种喷嘴在要求完全覆盖一个区域的喷雾应用领域能发挥极佳的效果。G 和 GG 系列 Fulljet 喷嘴具有可拆卸的帽盖和叶片,能与集管和多支管很好的匹配其设计方法使得把工作末端(帽盖和叶片)从喷嘴上拆下来进行检修和清洗成为可能,而不必把喷嘴体从集管上卸下来。H 系列标准 Fulljet (尺寸大于 1 英寸) 的喷嘴的叶片是用定位螺钉固定的,需要时易于拆卸。HH 系列标准喷嘴的叶片不可拆卸。

Standard fulljet nozzle can generate full cone spray. The spray area is round. Spray angle is 43° - 106° .

Fulljet nozzle can spray uniformly, droplets are from medium to big. This well distributed spray benefits from distinct vane design, big and clear channel, excellent control feature.

Fulljet nozzle made as precise dimension, which assure accurate and reliable performance.

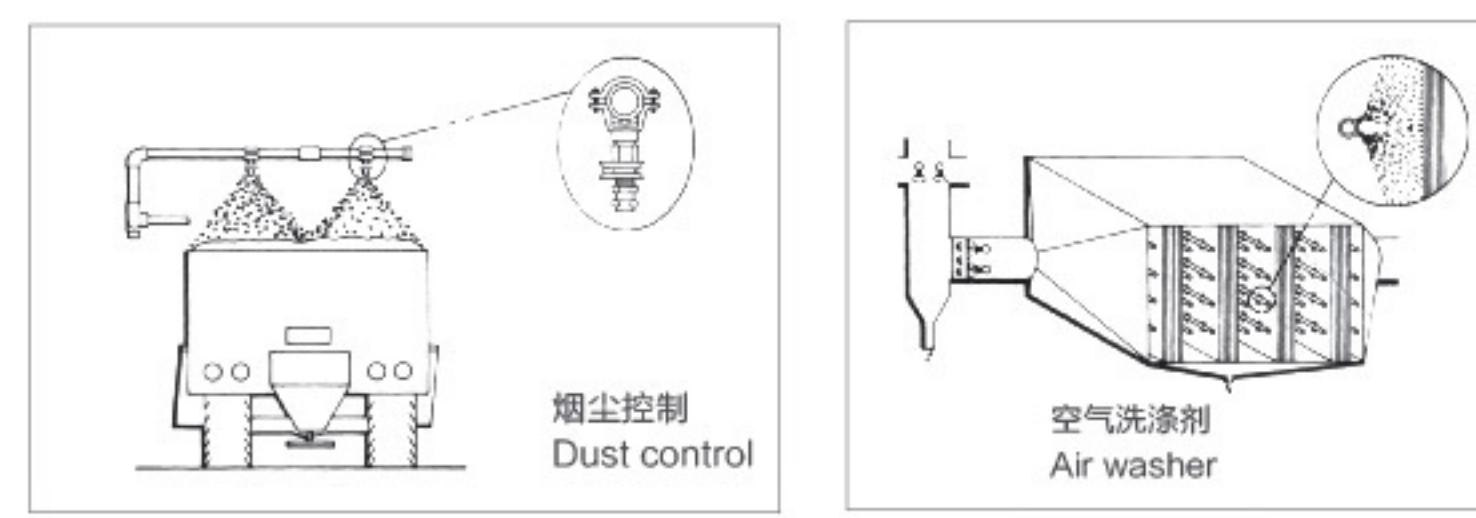
G and GG series have detachable cap and vane, can match both headers and multibranch pipe. This design makes it possible that the cap and vane can be detached from nozzle to be maintained and cleaned, instead of nozzle body. The vane of H series standard nozzle(size is more than 1") is fixed by positioning screw, which is easy to be detached. HH series standard nozzle's vane is not detachable.

一般应用 Common Application

- 洗涤和漂洗过程
- 焦炭、原生金属和其他材料的淬火与冷却
- 在处理大块矿石、煤炭石灰石、沙和石子
- 过程中抑制易散灰塵
- 对废气进行洗涤和冷却,以清除漂塵和其它由燃烧产物
- 浸没易燃物品的储藏箱,以达灭火、防火之目的
- 泡沫塑料的崩裂与脱泡
- 在化学反应过程中液滴的产生和消除
- Washing and rinsing
- Quenching and cooling
- Control dust
- Waste gas washing and cooling
- Defoaming
- The generation and elimination of the droplets in the process of chemical reaction.

订购信息 Order information

标准喷嘴 Standard nozzle			
Nozzle type	Inlet pipe connector size	Material code	Flow
G	1/4	SS	10



实心锥形喷嘴·圆形喷雾 Full Cone Nozzle-round Spray Area
性能数据 Performance Data

喷嘴入口 接头 BSPT Inlet connector NPT or BSPT	喷嘴型号 Nozzle type										流量 大小 The Flow code	额定 喷孔 孔径 Rated orifice Dia (mm)	最大 畅通 直径 Max expedite Dia (mm)	流量 (升/分) Flow rate(L/min)										喷射角度 Spray angle		
	标准型 Standard					墙上安置型 For wall installation								流量 (升/分) Flow rate(L/min)												
	(内)接头 (F) Connector		(外)接头 (M) Connector	*	(内)接头 (F) Connector		(外)接头 (M) Connector		(内)接头 (F) Connector				(外)接头 (M) Connector		(内)接头 (F) Connector		(外)接头 (M) Connector									
	G	H	GG	HH	HF	GD	HD	GGD	GA	GGA			0.5 bar	0.7 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	0.5 bar	1.5 bar	6 bar	
1/8	●	●			●						1	0.79	0.64	0.38	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3	58°	53°		
	●	●									1.5	1.2	0.64	0.49	0.57	0.81	0.93	1.1	1.3	1.4	1.5	1.7	1.9	52°	65°	59°
	●	●			●		●	●	●	●	2	1.2	1.0	0.65	0.76	1.1	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43°	50°	46°
	●	●			●		●	●	●	●	3	1.5	1.0	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52°	65°	59°
	●	●			●		●	●	●	●	3.5	1.6	1.3	1.1	1.3	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43°	50°	46°
									●	●	3.9	2.0	1.0	1.3	1.5	2.1	2.4	2.9	3.3	3.7	4.0	4.3	5.1	77°	84°	79°
	●	●			●		●	●	●	●	5	2.0	1.3	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52°	65°	59°
									●	●	6.1	2.3	1.3	2.0	2.3	3.3	3.8	4.5	5.2	5.7	6.2	6.7	7.9	69°	74°	68°
	●	●			●		●	●	●	●	6.5	2.38	1.6	2.1	2.5	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45°	50°	46°
	●	●			●		●	●	●	●	10	3.18	1.6	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58°	67°	61°
1/4									●	●	12.5	3.2	1.6	4.1	4.8	6.8	7.7	9.3	10.6	11.8	12.8	13.7	16.2	69°	74°	68°
	●	●			●		●	●	●	●	9.5	2.6	2.4	3.1	3.6	5.1	5.9	7.1	8.1	8.9	9.7	10.4	12.3	45°	50°	46°
	●	●			●		●	●	●	●	15	3.6	2.4	4.9	5.7	8.1	9.3	11.2	12.7	14.1	15.4	16.5	19.4	64°	67°	61°
3/8									●	●	20	4.0	2.8	6.5	7.6	10.8	12.4	14.9	17.0	18.8	20	22	26	76°	80°	73°
	●	●			●		●	●	●	●	22	4.5	2.8	7.2	8.4	11.9	13.6	16.4	18.7	21	23	24	28	87°	90°	82°
	●	●			●		●	●	●	●	16	3.5	3.2	5.2	6.1	8.7	9.9	11.9	13.6	15.1	16.4	17.6	21	48°	50°	46°
1/2	●	●			●		●	●	●	●	25	4.6	3.2	8.2	9.5	13.5	15.4	18.6	21	24	26	27	32	64°	67°	61°
	●	●			●		●	●	●	●	32	5.2	3.6	10.4	12.2	17.3	19.8	24	27	30	33	35	41	72°	75°	68°
									●	●	40	6.2	3.6	13.1	15.2	22	25	30	34	38	41	44	52	88°	91°	83°
3/4									●	●	50	6.7	4.0	16.3	19.1	27	31	37	42	47	51	55	65	91°	94°	86°
	●	●							●	●	2.5	4.9	4.4	9.6	11.2	15.9	18.2	22	25	28	30	32	38	48°	50°	46°
	●	●			●				●	●	4	6.4	4.4	15.4	18.0	26	29	35	40	44	48	52	61	67°	70°	63°
1									●	●	7	9.5	5.2	27	31	45	51	61	70	78	84	91	107	89°	92°	84°
	●	●			●				●	●	4.2	6.0	5.6	16.2	18.9	27	31	37	42	47	51	54	64	48°	50°	46°
	●	●			●				●	●	7	8.3	5.6	27	31	45	51	61	70	78	84	91	107	67°	68°	62°
1-1/4									●	●	8	9.5	5.6	31	36	51	58	70	80	89	97	104	122	72°	81°	82°
	●	●			●				●	●	10	11.9	5.6	38	45	64	73	88	100	111	121	130	153	78°	90°	94°
	●	●			●				●	●	6	7.4	6.4	23	27	38	44	53	60	67	72	78	92	48°	50°	44°
					●				●	●	10	9.6	6.4	38	45	64	73	88	100	111	121	130	153	64°	67°	58°
1-1/2									●	●	12	10.7	6.4	46	54	77	87	105	120	133	145	155	183	89°	92°	84°
	●	●																								



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实心锥形喷嘴·方形喷雾 Full Cone Nozzle-Square Spray Area

性能数据 Performance Data

喷嘴入口接头 BSPT Inlet connector NPT or BSPT	喷嘴型号 Nozzle type		流量大小 The Flow	额定喷孔孔径 Rated orifice Dia(mm)	最大畅通直径 Max expedite Dia(mm)	流量 (升/分) Flow rate(L/min)										喷射角度 Spray angle			
	(内)接头 (F) Connector					0.3bar	0.5bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar	
	G	H	GG	HH															
1/8	●	●	●	3.6SQ	1.6	1.3	0.93	1.2	1.6	2.2	2.7	3.1	3.4	3.7	4.0	4.7	40°	52°	47°
			●	4.8SQ	1.9	1.3	1.2	1.6	2.2	3.0	3.6	4.1	4.5	4.9	5.3	6.2	48°	63°	57°
	●	●	●	6SQ	2.4	1.3	1.5	2.0	2.7	3.7	4.5	5.1	5.6	6.1	6.6	7.8	60°	66°	60°
1/4	●	●	●	10SQ	2.8	1.6	2.6	3.3	4.5	6.2	7.4	8.5	9.4	10.2	11.0	13.0	62°	67°	61°
	●	●	●	12SQ	3.2	1.6	3.1	3.9	5.4	7.4	8.9	10.2	11.3	12.3	13.2	15.5	70°	75°	68°
			●	14.5SQ	3.9	1.6	3.7	4.7	6.5	9.0	10.8	12.3	13.7	14.8	15.9	18.8	78°	82°	75°
3/8	●	●	●	18SQ	4.0	2.4	4.6	5.9	8.1	11.1	13.4	15.3	17.0	18.4	19.8	23	71°	75°	68°
1/2	●	●	●	29SQ	5.6	3.2	7.5	9.5	13.0	17.9	22	25	27	30	32	38	71°	75°	68°
			●	36SQ	6.4	3.2	9.3	11.8	16.2	22	27	31	34	37	40	47	78°	82°	75°
3/4			●	50SQ	6.7	4.4	12.9	16.3	22	31	37	42	47	51	55	65	71°	75°	68°
1	●			106SQ	9.9	5.6	27	35	48	65	79	90	100	109	117	137	78°	80°	73°
1-1/4		●		177SQ	12.7	6.4	46	58	79	109	132	150	167	181	195	230	78°	80°	73°
1-1/2		●		230SQ	14.3	8.7	59	75	103	142	171	195	220	235	255	300	73°	77°	70°
2	●			290SQ	15.5	11.1	75	95	130	179	215	250	275	300	320	375	66°	70°	64°
	●			360SQ	17.4	11.1	93	118	162	225	270	305	340	370	395	470	70°	74°	67°
	●			480SQ	21.0	11.1	124	157	215	300	360	410	455	495	530	630	79°	82°	74°
2-1/2	●			490SQ	19.8	14.3	126	160	220	305	365	420	465	510	540	640	62°	67°	61°
	●			590SQ	22.2	14.3	152	193	265	365	440	510	560	610	650	770	75°	78°	71°
	●			950SQ	28.6	17.5	245	310	430	590	710	810	900	980	1050	1230	81°	84°	76°
5		●		2980SQ	47.6	28.6	770	980	1340	1840	2220	2540	2810	3060	3280	3860	89°	91°	83°
6		●		5690SQ	81.8	44.5	1470	1860	2560	3520	4240	4840	5360	5830	6260	7370	102°	105°	95°
标准材料 Standard material				材料代码 Material code															
●	●	●	●	BRASS= 黄铜															
●	●	●	●	I= 软钢 Soft stainless steel															
●	●	●	●	SS=303 不锈钢 (棒)Stainless steel(bar)															
●				SS=316 不锈钢 (铸型)Stainless steel(Die-casting)															
●				316SS=316 不锈钢 (棒) Stainless steel(bar)															
				PVC = 聚氯乙烯															

订购资料 Order information

标准喷雾喷嘴 Standard spray nozzle			
G	1/4	SS	12SQ
喷嘴类型 Nozzle type	入口管接头尺寸 Inlet pipe connector size	材料代码 Material code	流量大小 Flow



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实心锥形喷嘴·窄角15 °系列 Full Cone Nozzle-Narrow angle 15°series

	G15 可拆卸帽盖、叶片 1/8 英寸 -1/2 英寸 NPT 或 BSPT (内) Detachable cap and vane 1/8" -1/2" NPT or BSPT(female)		GG15 可拆卸帽盖、叶片 1/8 英寸 -1/2 英寸 NPT 或 BSPT (外) Detachable cap and vane 1/8" -1/2" NPT or BSPT(male)		H15 单体, 3/4 英寸 -2-1/2 英寸 NPT 或 BSPT (内) Whole 3/4"-2-1/2" NPT or BSPT(Female)
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设计特点 Design Feature

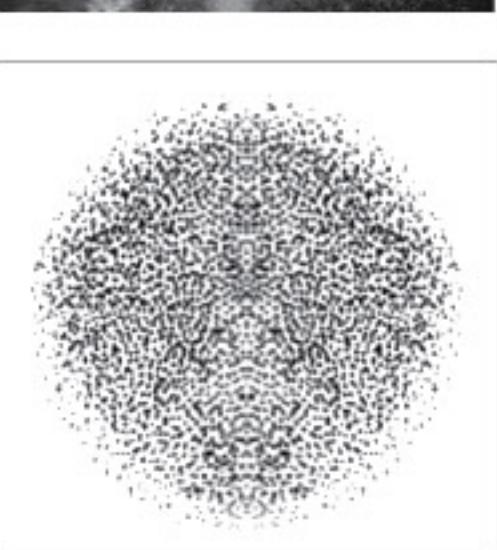


窄角喷嘴 FullJet 喷嘴的特点是能产生实心锥形喷雾形状，喷射区域呈圆形。窄喷射角颗粒较粗的喷雾，15° 系列喷嘴更是如此，单位面积上的冲击力著高同样流率下的较宽角 FullJet 喷嘴。

G 与 GG 型 FULLJet 喷嘴具有可拆卸的帽盖与叶片。H 与 HH 型窄角 FullJet 喷嘴具有可拆卸的叶片。

1/8 英寸 -1-1/4 英寸尺寸的喷嘴是用棒材制成的，1 1/2 英寸及更大尺寸的喷嘴是铸造而成的。

FullJet 喷嘴是以精细工艺制成的，实现了精确的规格要求，以保证最佳性能。其均匀喷雾分布来源于独特、新颖的叶片设计、大的流动通道以及优良的喷流控制特性。



The feature about square narrow angle spray nozzle is that it generates full cone spray, the spraying area is round. Narrow angle series generate well distributed and coarser particles spray. 15° series have more of this feature. Impact force on unit area is distinctly larger than that on wider angle full jet nozzle under same flow rate. G and GG series nozzle have detachable cap and vane. H and HH narrow angle series nozzle have detachable vane. 1/8" -1-1/4" nozzles are made by stainless steel bar, while 1-1/2"



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实心锥形喷嘴 窄角30°系列 Full Cone Nozzle Narrow Angle 30°series



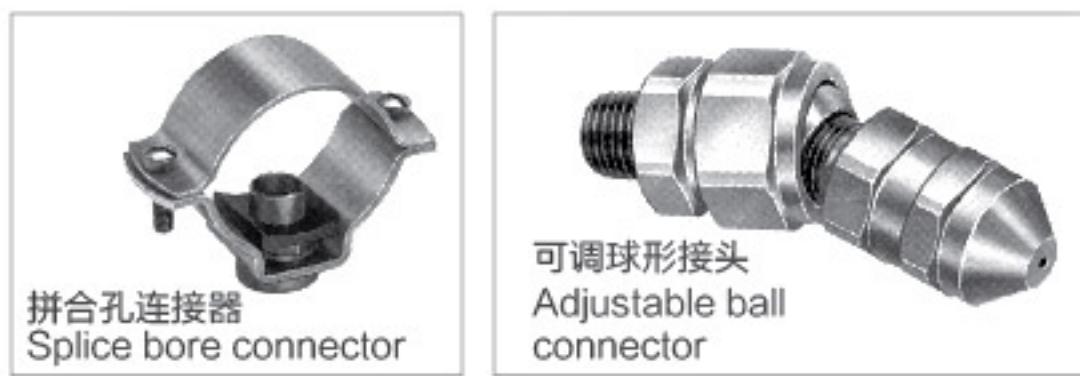
性能数据 Performance Data

喷嘴入口接头 BSPT Inlet connector NPT or BSPT	喷嘴型号 Nozzle type		流量大小 The Flow	额定喷孔孔径 Rated orifice Dia(mm)	流量 (升 / 分) Flow rate(L/min)										喷射角度 Spray angle				
	(内)接头 (F) Connector	(外)接头 (M) Connector			1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	15bar	20bar	0.5bar	1.5bar	6bar		
	G	GG			3001.4	0.79	0.32	0.45	0.55	0.64	0.71	0.78	0.84	1.0	1.2	1.4	17°	30°	31°
1/8	●	●			3002.5	0.79	0.57	0.81	0.99	1.1	1.3	1.4	1.5	1.8	2.2	2.5	17°	30°	32°
	●	●			3004	1.2	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	3.5	4.1	26°	30°	32°
	●	●			3007	1.6	1.6	2.3	2.8	3.2	3.6	3.9	4.2	5.0	6.2	7.1	23°	30°	30°
	●	●			3009	2.0	2.1	2.9	3.6	4.1	4.6	5.0	5.4	6.5	7.9	9.2	23°	30°	30°
1/4	●	●			3014	2.4	3.2	4.5	5.5	6.4	7.1	7.8	8.4	10.1	12.4	14.3	25°	30°	30°
3/8	●	●			3030	3.2	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	26	31	26°	30°	31°
1/2	●	●			3050	4.4	11.4	16.1	19.7	23	25	28	30	36	44	51	26°	30°	31°
3/4	●	●			3070	5.2	16.0	23	28	32	36	39	42	50	62	71	27°	30°	30°
1	●	●			30100	6.4	23	32	39	46	51	56	60	72	88	102	27°	30°	30°
1-1/4	●	●			30150	7.5	34	48	59	68	76	84	90	108	132	153	27°	30°	30°
1-1/2	●	●			30200	8.7	46	64	79	91	102	112	121	144	177	205	27°	30°	30°
1-1/2	●	●			30250	9.5	57	81	99	114	127	140	151	180	220	255	27°	30°	30°
1-1/2	●	●			30300	10.3	68	97	118	137	153	167	181	220	265	305	27°	30°	30°
2	●	●			30350	11.1	80	113	138	160	178	195	215	255	310	360	28°	30°	30°
2	●	●			30400	11.9	91	129	158	182	205	225	245	290	355	410	28°	30°	30°
2	●	●			30500	13.5	114	161	197	230	255	280	305	360	445	510	28°	30°	30°
2-1/2	●	●			30600	14.7	137	193	235	275	305	335	365	435	530	620	28°	30°	30°
2-1/2	●	●			30700	15.9	160	225	280	320	360	390	425	510	620	720	28°	30°	30°
2-1/2	●	●			301000	19.1	230	325	395	455	510	560	610	720	890	1020	28°	30°	30°
2-1/2	●	●			301100	19.8	250	355	435	510	560	620	670	800	970	1120	28°	30°	30°
2-1/2	●	●			301200	20.6	275	390	475	550	620	670	730	870	1060	1230	28°	30°	30°

材料 Material

黄铜 Brass
303 不锈钢 303
stainless steel=303SS
316 不锈钢 316
stainless steel=316SS

附件 Attachment



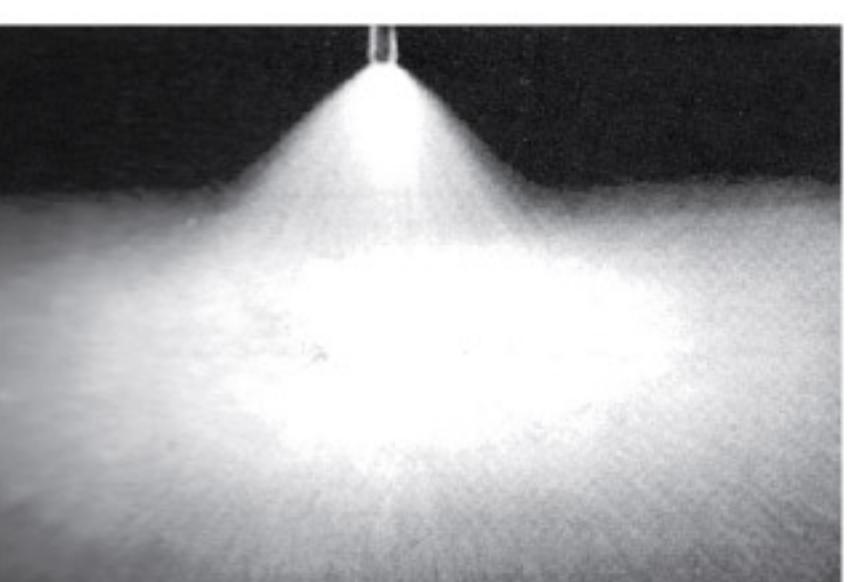
订购资料 Order information

标准喷雾喷嘴 Standard spray nozzle			
GG	1/2	SS	3030
喷嘴类型 Nozzle type	入口管接口尺寸 Inlet pipe connector size	材料代码 Material code	流量大小 Flow



网址: www.shxinhou.com
电话: 021-52043386 39281563
传真: 021-52240275

SMP 实心圆锥形喷嘴 SMP Full Cone Nozzle



SMP 实心圆锥形喷嘴

SMP Full Cone Nozzle

适用于化工、石油、电站和环保行业烟气洗涤、除尘、冷却、喷淋等应用

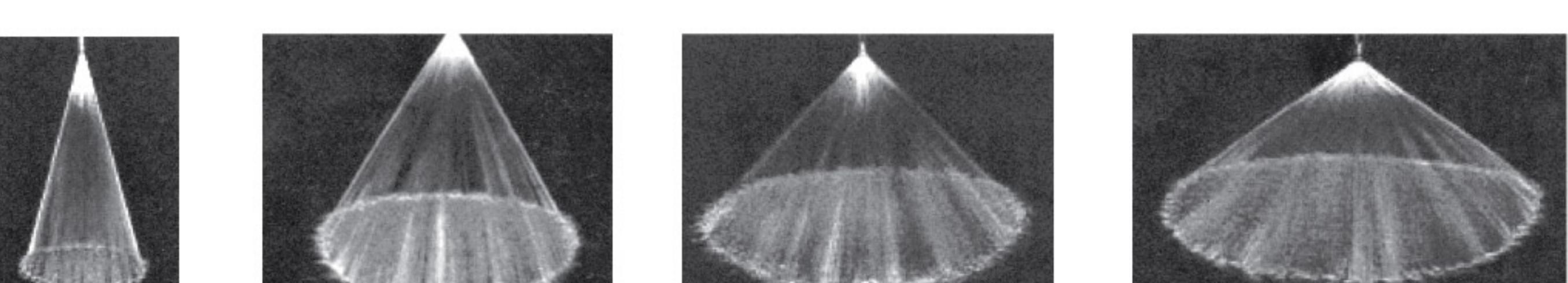
Application Area: Chemical industry,petroleum,power station,environmental protection,smoke washing,dedusting,cooling,spraying



设计特点 Design Feature

- 整体式结构, 内部两个 S 形叶片形成最大畅通通径, 并与喷嘴主体一体铸造。采用该种结构的好处为: 在同等流量的情况下,SMP型喷嘴,其允许通过的固体颗粒直径比普通实心锥形喷嘴高出3倍。
- 独特的设计, 最大化的避免在恶劣工况条件下的普通喷嘴堵塞的问题, 尤其适合喷洒大流量的含颗粒杂质较多的浆液, 轻松输送污浊、多块状物质的液体, 如石灰浆液。
- 低压至 0.2 巴即可有效喷射。内部通道均为流线形, 使液体通过更为流畅、无死角、无堵塞, 有效地降低了液体雾化压力。
- S 形叶片的导流作用, 避免了螺旋喷嘴的分层喷洒, 使得喷洒更加均匀全面。
- 内螺纹或者外螺纹连接, 从 3/8 英寸到 4 英寸, 也可以选择法兰连接。
- 材质可选用: 黄铜、303 不锈钢, 316L 不锈钢, 特富龙(聚四氟乙烯)和 PP。
- 喷嘴角度: 30° , 60° 90° 和 120° 。
- 流量可以从 2.45L/min 到 3400L/min, 并可以根据用户需求最大达到 17000L/min。
- Integral sturcture.Two inner S vanes make max.unblocked access, and becomes Integral mould with nozzle body.The advantage to use this structure is:at same flow rate,SMP nozzle can allow particle 3 times dia.more than normal full cone nozzle.
- The unique design avoid the usual blocking problem quite a lot under bad working condition,it especially fits for spraying seriflux which contains much grain impurity, and conveys dredgy liquid easily,like lime slurry.
- It sprays effecticely at 0.2bar.Inner channels are streamline,whcih makes fluid smooth,no dead corner and clogging, and the liquid atomization pressure is reduced effectively.
- S shape guide vane avoid layered spraying,the spraying is uniform and comprehensive.
- There are male and female connection,from 3/8" to 4" . And flanged connection is also available.
- The choice of material:brass,303 stainless steel,316 stainless steel,Teflon and PP.
- Spraying angle:30°,60°,90°,and 120°.
- Flow rate is from 2.45L/min to 3400L/min, and can reach 17000L/min as required.

喷雾效果 Spray Sketch



实心锥 30°
Full cone 30°

实心锥 60°
Full cone 60°

实心锥 90°
Full cone 90°

实心锥 120°
Full cone 120°



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SMP实心圆锥形喷嘴 SMP Full Cone Nozzle

性能数据 Performance Data

螺纹或法兰尺寸 Flange dia.	喷嘴编号 Nozzle No.	流量 Flow rate L/min@ 压力 Pressure bar								自由畅通直径 Open dia(mm)
		0.2bar	0.3bar	0.5bar	0.7bar	1.0bar	2.0bar	3.0bar	5.0bar	
3/8	SMP125	2.60	3.14	3.99	4.68	5.53	7.66	9.27	11.8	3.18
	SMP156	4.13	4.99	6.35	7.43	8.79	12.2	14.7	18.7	3.97
	SMP187	5.96	7.21	9.17	10.7	12.7	17.6	21.3	27.1	4.76
1/2	SMP187	5.96	7.21	9.17	10.7	12.7	17.6	21.3	27.1	4.76
	SMP218	9.48	11.5	14.6	17.1	20.2	28.0	33.9	43.0	5.56
	SMP250	10.7	12.9	16.4	19.2	22.7	31.4	38.0	48.4	6.35
3/4	SMP281	13.1	15.8	20.1	23.6	27.9	38.6	46.8	59.4	7.14
	SMP312	15.9	19.2	24.4	28.6	33.8	46.8	56.6	72.0	7.94
	SMP343	19.4	23.5	29.9	35.0	41.4	57.3	69.4	88.2	8.73
	SMP375	22.9	27.7	35.2	41.3	48.8	67.6	81.8	104	9.53
1	SMP375	22.9	27.7	35.2	41.3	48.8	67.6	81.8	104	9.53
	SMP406	27.6	33.3	42.3	49.3	58.6	81.1	98.1	126	10.3
	SMP437	34.0	40.6	50.9	59.0	69.0	93.6	112	140	11.1
1-1/4	SMP437	34.0	40.6	50.9	59.0	69.0	93.6	112	140	11.1
	SMP500	43.7	52.2	65.4	75.8	88.7	120	144	180	11.1
	SMP531	48.5	58.0	72.7	84.2	98.6	134	160	200	12.7
	SMP562	53.4	63.8	79.9	92.7	108	147	176	220	13.5
1-1/2	SMP562	53.4	63.8	79.9	92.7	108	147	176	220	14.3
	SMP593	60.7	72.5	90.9	105	123	167	200	250	15.1
	SMP625	64.7	77.4	96.9	112	131	178	213	267	15.9
	SMP656	78.5	93.5	117	136	159	216	258	324	16.7
	SMP687	82.5	98.7	124	143	168	227	272	340	17.5
2	SMP750	100	120	150	174	204	276	333	414	19.1
	SMP812	110	132	165	191	223	303	362	454	20.6
	SMP875	136	162	203	236	276	374	448	560	22.2
	SMP937	152	182	228	264	309	419	501	627	23.8
	SMP1000	178	213	266	309	361	490	586	734	25.4
	SMP1125	206	249	317	371	439	608	736	935	28.6
2-1/2	SMP1125	206	249	317	371	439	608	736	935	28.6
	SMP1250	247	299	381	446	527	730	883	1120	31.8
	SMP1375	297	359	456	535	632	875	1060	1350	34.9
	SMP1500	363	440	559	655	774	1070	1230	1650	38.1
3	SMP1500	363	440	559	655	774	1070	1230	1650	38.1
	SMP1625	428	517	658	770	911	1260	1530	1940	41.3
	SMP1750	488	591	751	880	1040	1440	1740	2220	44.5
4	SMP1750	488	591	751	880	1040	1440	1740	2220	44.5
	SMP1825	550	660	845	990	1170	1620	1960	2490	47.6
	SMP2000	643	778	989	1160	1370	1900	2300	2920	50.8
	SMP2125	719	870	1100	1290	1530	2100	2550	3250	54.0
	SMP2250	780	944	1200	1400	1660	2300	2780	3540	57.2



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SMP实心圆锥形喷嘴 SMP Full Cone Nozzle

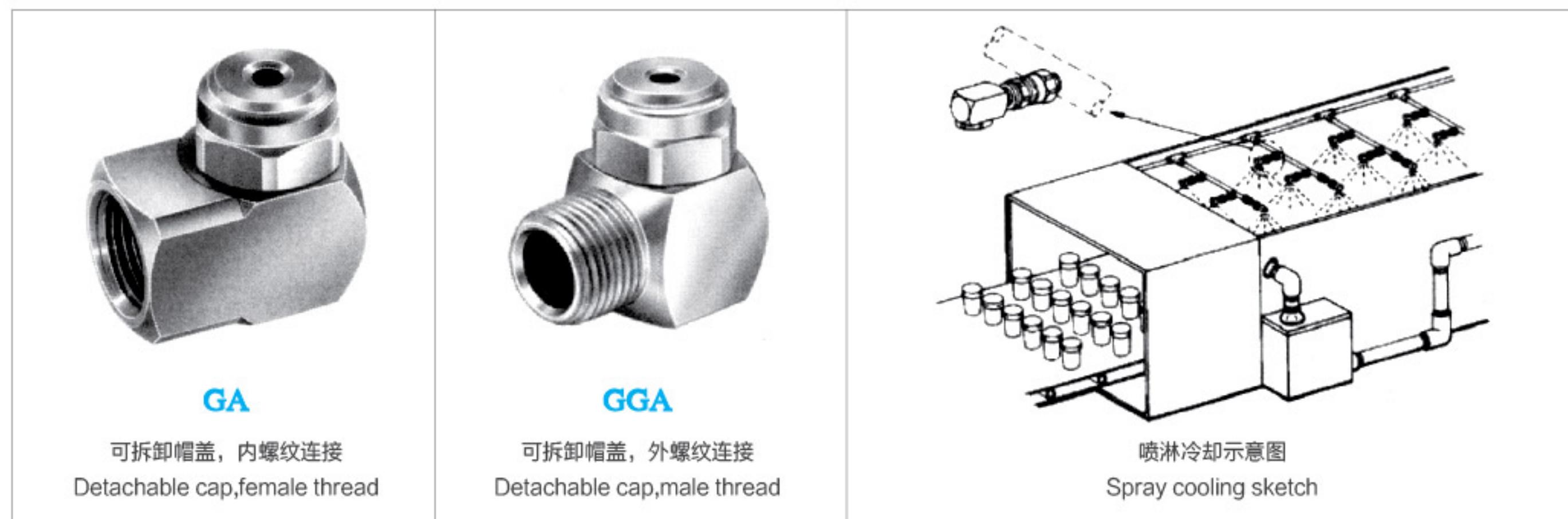
一般应用 Common Application

- 高温烟气快速冷却
- 废气洗涤
- 废气除尘
- 湿法脱硫
- 消防灭火
- 填料塔喷淋
- 焦炭熄火
- 洗涤与漂淋
- 化学塔喷淋
- 凉水塔与分馏塔喷淋
- 消泡
- Quick cooling of high-temperature flue gas
- Flue gas washing
- Flue gas dust removal
- Wet desulphurization
- Fire protection or extinguishment
- Leaching tower
- Coke quenching
- Washing and bleaching
- Chemical tower spraying
- Cooling water and fractionating tower spraying
- Defoaming

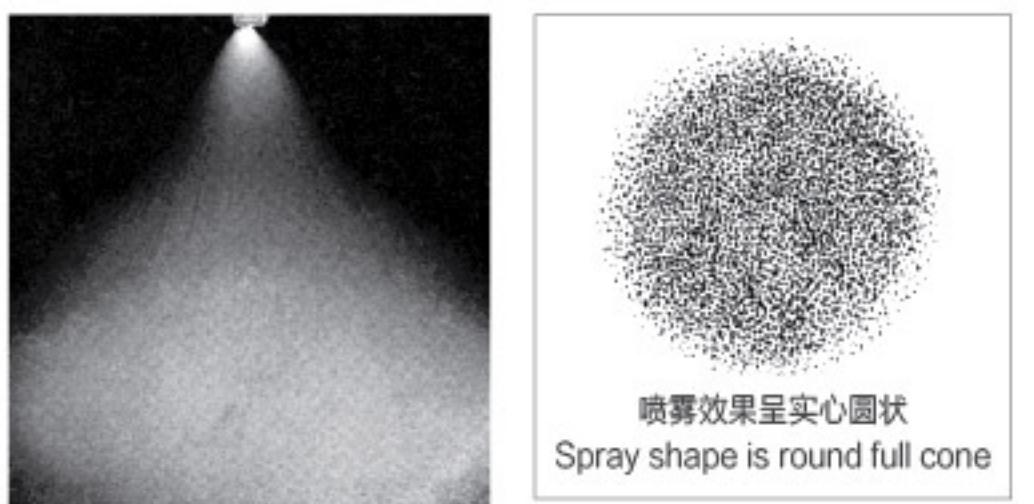
订购信息 Order information

ZG	4	SMP2000	—120—	316L
连接标准 Connecting standard	连接尺寸 Connecting size	喷嘴编号 Nozzle No.	喷射角度 Spray angle	材料代码 Material
连接标准 Connecting standard:				
Z: 美制锥管螺纹 US taper pipe thread (NPT)				
ZG: 英制锥管螺纹 British taper pipe thread (BSPT)——推荐 Recommend				
FL: 法兰连接 (2寸以上) Flange connection (Above 2")				
注: SMP 喷嘴连接方式默认为内螺纹连接, 如果需要外螺纹连接, 请特别说明。 Note: SMP nozzle's connection defaults to internal thread connection. If outer thread connection is needed, please note specially.				
材料代码 Material:				
316L: 316 不锈钢 Stainless steel				
BRASS: 黄铜 BRASS				
PP: 聚丙烯 Polypropylene				
TEF: 聚四氟乙烯 Teflon				

GA/GGA 实心锥形喷嘴-转角型 Full cone nozzle-Corner type



设计特点 Design Feature



- 转角形喷雾设计
- 喷雾形状为实心圆锥形状
- 具有和通用类实心锥形喷嘴同样的喷雾效果
- 特别适合用于侧面开孔的喷淋管
- 喷射角度有标准角度和广角度
- Corner type spray design
- Spray shape is round full cone
- The spray effect is same as universal full cone nozzle
- Very suitable for Sprinkler pipe with side hole
- Spray angle have standard angle and wide angle

推荐附件 Recommended Accessories



订购资料 Order information

GA	1/4	SS	10W	材料代码:
喷嘴类型	连接尺寸	材料代码	流量代码	SS: 303 不锈钢 303 stainless steel 316SS: 316 不锈钢 316stainless steel BRASS: 黄铜
Nozzle type	Connect size	Material code	Flow code	

GA/GGA 实心锥形喷嘴-转角型 Full cone nozzle-Corner type

性能数据 Performance Data

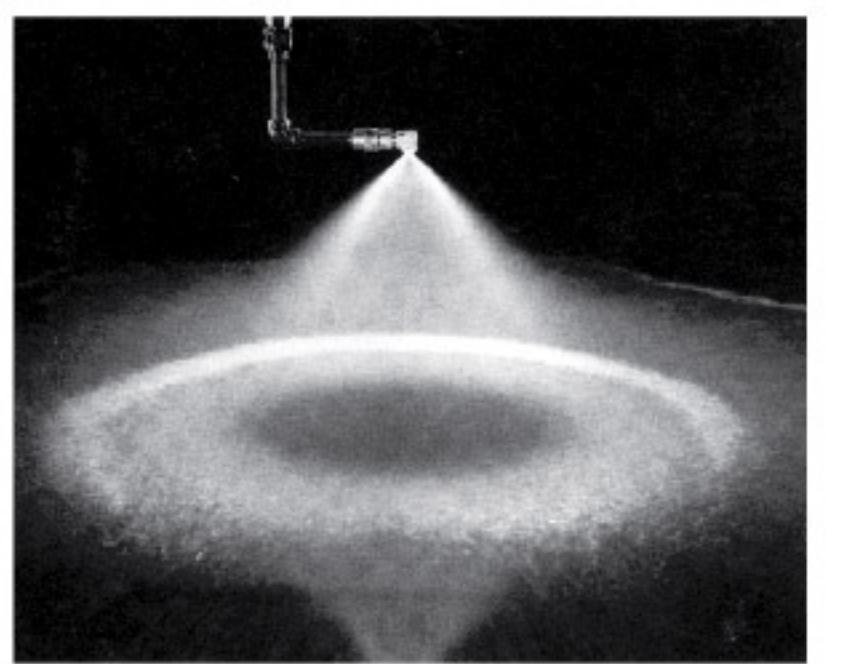
标准角 Standard Angle

喷嘴入口 接头尺寸 Inlet Connector size	喷嘴型号 Nozzle Type		额定 喷孔 孔径 Rated spray hole Dia (mm)	最大畅通 直径 Max expedite Dia(mm)	流量 L/min @ 压力 bar Flow rate L/min @ Pressure bar										喷射角度 Spray angle		
	(内)接头 (F)connector	(外)接头 (M)connector			Flow code	0.5bar	0.7bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar
	GA	GGA															
1/8	●	●	1	0.79	0.64			0.38	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3	58° 53°
	●	●	1.5	1.2	0.64	0.49	0.57	0.81	0.93	1.1	1.3	1.4	1.5	1.7	1.9	52° 65°	59°
	●	●	2	1.2	1.0	0.65	0.76	1.1	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43° 50°	46°
	●	●	3	1.5	1.0	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52° 65°	59°
	●	●	3.5	1.6	1.3	1.1	1.3	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43° 50°	46°
	●	●	3.9	2.0	1.0	1.3	1.5	2.1	2.4	2.9	3.3	3.7	4.0	4.3	5.1	77° 84°	79°
	●	●	5	2.0	1.3	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52° 65°	59°
1/4	●	●	6.5	2.38	1.6	2.1	2.5	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45° 50°	46°
	●	●	10	3.18	1.6	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58° 67°	61°
3/8	●	●	9.5	2.6	2.4	3.1	3.6	5.1	5.9	7.1	8.1	8.9	9.7	10.4	12.3	45° 50°	46°
	●	●	15	3.6	2.4	4.9	5.7	8.1	9.3	11.2	12.7	14.1	15.4	16.5	19.4	64° 67°	61°
	●	●	20	4.0	2.8	6.5	7.6	10.8	12.4	14.9	17.0	18.8	20	22	26	76° 80°	73°
1/2	●	●	22	4.5	2.8	7.2	8.4	11.9	13.6	16.4	18.7	21	23	24	28	87° 90°	82°
	●	●	16	3.5	3.2	5.2	6.1	8.7	9.9	11.9	13.6	15.1	16.4	17.6	21	48° 50°	46°
	●	●	25	4.6	3.2	8.2	9.5	13.5	15.4	18.6	21	24	26	27	32	64° 67°	61°
	●	●	32	5.2	3.6	10.4	12.2	17.3	19.8	24	27	30	33	35	41	72° 75°	68°
●	●	40	6.2	3.6	13.1	15.2	22	25	30	34	38	41	44	52	88° 91°	83°	

广角 Wide Angle

喷嘴入口 接头尺寸 Inlet Connector size	喷嘴型号 Nozzle Type		额定 喷孔 孔径 Rated spray hole Dia (mm)	最大畅通 直径 Max clear Dia(mm)	流量 L/min @ 压力 bar Flow rate L/min @ Pressure bar										喷射角度 Spray angle				
	(内)接头 (F)connector	(外)接头 (M)connector			Flow code	0.3bar	0.5bar	0.7bar	1bar	2bar	3bar	4bar	5bar	6bar	0.3bar	0.7bar			
	GA	GGA																	
1/8	●	●	2.0	1.0						1.6	1.9	2.6	3.1	3.5	3.9	4.2	120° 102°		
	●	●	2.4	1.0						1.8	2.1	2.5	3.4	4.0	4.6	5.1	5.5	120° 102°	
	●	●	2.4	1.3						2.6	3.0	3.6	4.8	5.8	6.6	7.2		120° 103°	
	●	●	2.8	1.3						2.6	3.3	3.8	4.5	6.0	7.2	8.2	9.1	9.8	112° 120° 103°
1/4	●	●	3.2	1.3						3.1	3.9	4.6	5.3	7.3	8.7	9.8	10.9	11.8	114° 120° 103°
	●	●	3.6	1.6						3.7	4.6	5.3	6.2	8.5	10.1	11.5	12.7	13.7	114° 120° 103°
	●	●	4.4	2.4						5.2	6.6	7.6	8.9	12.1	14.5	16.5	18.1	19.6	114° 120° 104°
3/8	●	●	4.8	2.4						6.3	7.9	9.1	10.7	14.5	17.3	19.7	22	24	114° 120° 104°
	●	●	5.2	2.8						7.1	8.9	10.3	12.0	16.3	19.5	22	24	26	114° 120° 106°
	●	●	6.0	3.2						9.2	11.5								

A/AA空心锥形喷嘴-转角型 A/AAHollow Cone Nozzle-Corner Type



中小流量空心锥形喷嘴-A/AA系列

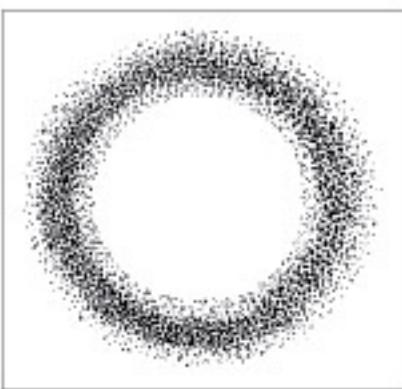
Medium And Low Flow Rate Hollow Cone Nozzle--A/AA Series

适用于

造纸、环保、空调加湿、烟气冷却和消泡等行业应用

Applicable industries:

Papermaking, environmental protection, Air conditioning
humidification, gas cooling and defoaming, etc.



设计特点 Design Feature

- 喷雾形状为空心圆锥形状，喷射区域成空心圆形状
- 喷雾颗粒细小而且非常均匀
- 水从喷雾入口进入后，沿涡流通道旋转喷出，内部无任何叶片等阻塞物，喷嘴不易堵塞
- 喷嘴帽盖可以拆卸
- 有标准角度和广角两种选择
- Spray shape is hollow cone, spray area become hollow circle.
- Spray granule is tiny and well-distributed.
- Water enter in from entry, vortically spray out through eddy flow channel, without any jam internally, So nozzle is difficult to be blocked.
- Nozzle cap is able to be detached.
- There are two choices: Standard angle and wide angle.



一般应用 Common Application

- | | |
|--------|-------------------------------|
| ● 消泡 | ● Defoaming |
| ● 烟气洗涤 | ● Smoke washing |
| ● 空调加湿 | ● Conditioning humidification |
| ● 淀粉喷淋 | ● Spray starch |
| ● 水充气 | ● Gas cooling |
| ● 烟气冷却 | ● Dedusting |
| ● 除尘 | ● Chemical treatment |
| ● 化学处理 | ● Cleaning |

推荐附件 Recommended Accessories



订购资料 Order information

A	1/4	—	SS	10	A	1/4	—	SS	10
喷嘴类型	连接尺寸	材料代码	流量代码		Nozzle type	Connect Dia	Material code	Flow rate code	

材料代码:

SS: 303 不锈钢 303 stainless steel

316SS: 316 不锈钢 316stainless steel

BRASS: 黄铜

PVC: 聚氯乙烯

TEF: 聚四氟乙烯

A/AA空心锥形喷嘴-转角型 A/AAHollow Cone Nozzle-Corner Type

性能数据 Performance Data

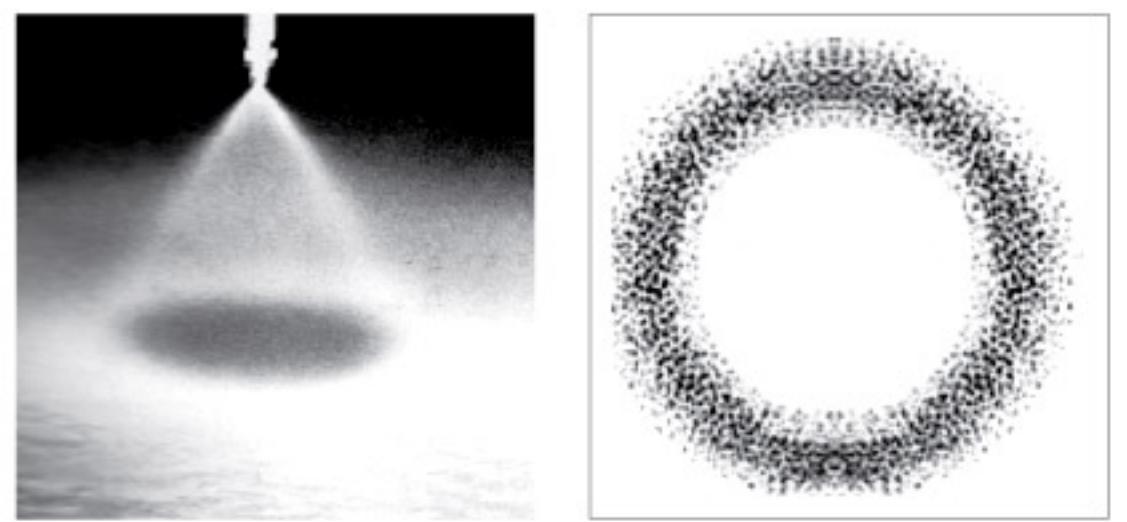
标准角 Standard Angle

喷嘴入口接头 Inlet Connector	流量 大小 Flow	喷嘴型号 Nozzle Type		材料代码 Material code		主体 入口 直径 Main inlet Dia(mm)	额定 喷孔 孔径 Rated spray hole Dia (mm)	流量(升/分) Flow rate(L/min)								喷射角度 Spray angle					
		AA	A	BRASS	SS			0.2bar	0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar	
1/8	0.5	●	●	●	●	●	0.79	1.2	0.16	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60	58°	69°		
	1	●	●	●	●	●	1.6	1.6	0.32	0.46	0.56	0.61	0.79	0.91	1.1	1.1	1.2	64°	76°		
	2	●	●	●	●	●	2.0	2.0	0.64	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	52°	61°	69°	
	3	●	●	●	●	●	2.4	2.4	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	52°	64°	77°	
	5	●	●	●	●	●	3.2	3.2	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	56°	76°	
	8	●	●	●	●	●	4.0	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	56°	65°	70°
	10	●	●	●	●	●	4.4	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	55°	65°	72°
	1	●	●	●	●	●	1.6	1.6	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	53°	67°			
	2	●	●	●	●	●	2.0	2.0	0.64	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	62°	71°		
	3	●	●	●	●	●	2.4	2.4	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	51°	65°	78°	
1/4	5	●	●	●	●	●	3.6	3.6	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	63°	73°	79°
	8	●	●	●	●	●	4.0	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	61°	73°	
	10	●	●	●	●	●	4.8	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	63°	70°	74°
	15	●	●	●	●	●	5.9	5.2	3.1	4.8	6.8	8.4	9.7	11.8	13.7	15.1	16.7	18.1	63°	71°	72°
	5	●	●	●	●	●	3.6	3.2	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	64°	73°	79°
	8	●	●	●	●	●	4.4	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	62°	70°	74°
	10	●	●	●	●	●	5.2	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	64°	72°	75°
	15	●	●	●	●	●	5.9	5.6	3.1	4.6	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	64°	72°	74°
	20	●	●	●	●	●	7.1	6.4	4.1	6.4	9.1	11.2	12.9	15.8	18.2	20	22	24	63°	70°	74°
	25	●	●	●	●	●	7.5	7.5	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30	63°	70°	74°
3/8	30	●	●	●	●	●	8.3	7.9	6.1	9.7	13.7	16.7	19.3	24	27	31	33	36	67°	71°	75°
	25	●	●	●	●	●	9.5	6.4	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30	63°	66°	71°
	30	●	●	●	●	●	9.5	7.5	6.1	9.7	13.7	16.7	19.3	24	27	31	33	36	67°	71°	75°
	40	●	●	●	●	●	9.5	9.1	8.2	12.9	18.2	22	26	32	36	41	45	48	72°	76°	78°
	50	●	●	●	●	●	9.5	11.1	10.2	16.1	23	28	32	39	46	51	56	60	74°	79°	82°
	60	●	●	●	●	●	9.5	13.1	12.2	19.3	27	33	39	47	55	61	67	72	77°	82°	86°
	1	●	●</td																		



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BD直线型空心锥形喷嘴 BD Linear Type Hollow Cone Nozzle



BD直线型空心锥形喷嘴 BD Linear Type Hollow Cone Nozzle

适用于

空气洗涤、冷却、除尘、喷淋和加湿

Applicable to air washing, cooling, dedusting, spraying, humidifying

设计特点 Design Feature

- 喷雾颗粒细小均匀
- 可产生雾化均匀的空心圆锥形喷雾
- 结构简单，帽盖可以互换。喷嘴可以直接安装在管座上，不用另加转接头。
- 该喷嘴有标准角度和广角度区分。
- Spray granule is tiny and well-distributed
- It provides hollow cone of uniform atomizing spray.
- Simple structure,caps can be changed.Nozzle can be directly installed on pipe seat,no need to use connector.
- This nozzle have both standard angle and wide angle



一般应用 Common Application

- | | | | |
|--------|---------|-----------------|---------------|
| ● 消泡 | ● 喷淋塔喷淋 | ● Defoaming | ● Spray tower |
| ● 清洗 | ● 加湿 | ● Cleaning | ● Humidifying |
| ● 冷却 | ● 除尘 | ● Cooling | ● Dedusting |
| ● 烟气洗涤 | | ● Smoke washing | |



推荐附件 Recommended Accessories



订购资料 Order information

BD	1/2	SS	10
喷嘴类型	连接尺寸	材料代码	流量代码
Nozzle type	Connect size	Material code	Flow code
材料代码:			
SS: 303 不锈钢 303 stainless steel			
316SS: 316 不锈钢 316stainless steel			
BRASS: 黄铜			
PVC: 聚氯乙烯			
TEF: 聚四氟乙烯			



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BD直线型空心锥形喷嘴 BD Linear Type Hollow Cone Nozzle

性能数据 Performance Data

BD系列——标准角度空心锥形喷嘴 BD Series ——Standard angle hollow cone nozzle

连接尺寸 Connector size (inch)	喷嘴型号 Nozzle Type BD	流量代码 Flow code	入口孔径 Inlet orifice Dia	出口孔径 outlet orifice Dia	流量(升/公分) Flow (L/min)										喷射角度 Spray angle			
					0.2bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar
3/8	● 2	2.4	2.0		0.76	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4		60°	70°		
	● 3	2.4	2.4		0.96	1.1	1.4	1.7	1.9	2.4	2.7	3.1	3.3	2.6	52°	64°	77°	
	● 5	2.8	3.2		1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	56°	67°	76°	
	● 8	4.0	4.0	1.0	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	56°	65°	70°	
	● 10	4.0	4.4	1.6	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	55°	65°	72°	
	● 20-10	4.0	4.4	2.0	4.5	5.3	6.4	7.8	9.0	11.1	12.8	14.3	15.6	16.9	61°	65°	67°	
1/2	● 5	3.2	3.6	1.0	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	63°	73°	79°	
	● 8	4.0	4.0	1.6	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	61°	69°	73°	
	● 10	4.4	4.4	2.0	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	63°	70°	74°	
	● 15	4.4	5.2	3.1	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	60°	67°	70°	
	● 20	4.8	6.0	4.1	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20	22	24	63°	65°	69°	
	● 25	5.2	7.1	5.1	8.1	9.5	11.4	14.0	16.1	19.7	23	25	28	30	59°	63°	68°	
3/4	● 5	3.6	3.2	1.0	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	64°	73°	79°	
	● 8	4.4	4.0	1.6	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	62°	70°	74°	
	● 10	5.2	4.4	2.0	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	64°	72°	75°	
	● 15	6.4	5.6	3.1	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	64°	72°	74°	
	● 20	7.1	6.4	4.1	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20	22	24	63°	70°	74°	
	● 25	7.1	7.5	5.1	8.1	9.5	11.4	14.0	16.1	19.7	23	25	28	30	63°	70°	74°	
1-1/2	● 50-50.3	7.1	9.5	10.2	16.1	19.1	23	28	32	39	46	51	56	60	70°	72°	73°	
	● 40	9.5	7.9	8.2	12.9	15.3	18.2	22	26	32	36	41	45	48	70°	73°	74°	
	● 50	9.5	9.5	10.2	16.1	19.1	23	28	32	39	46	51	56	60	72°	75°	77°	
	● 60	9.5	11.1	12.2	19.3	23	27	33	39	47	55	61	67	72	74°	76°	79°	
	● 70	9.5	12.7	14.3	23	27	32	39	45	55	64	71	78	84	76°	79°	83°	
	● 80	9.5	14.3	16.3	26	31	36	45	52	63	73	82	89	96	78°	82°	84°	
1-1/2	● 90	9.5	14.7	18.3	29	34	41	50	58	71	82	92	100	109	81°	84°	84°	
	● 100	9.5	15.9	20	32	38	46	56	64	79	91	102	112	121	83°	86°	86°	
	● 110	9.5	17.1	22	35	42	50	61	71	87	100	112	123	133	85°	88°	88°	
	● 120	9.5	18.3	24	39	46	55	67	77	95	109	122	134	145	87°	90°	90°	

BD-W系列——广角度空心锥形喷嘴 BD-Series ——wide angle hollow cone nozzle

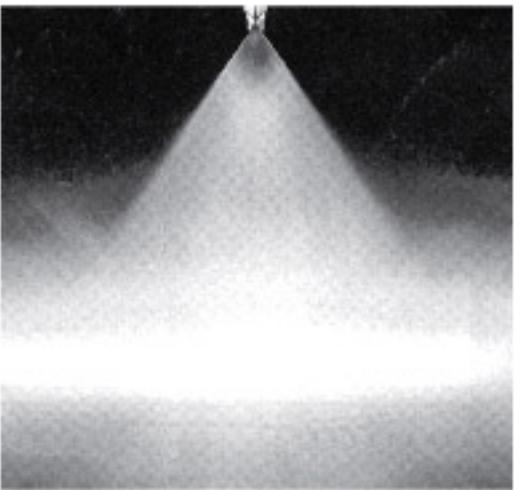
连接尺寸 Connector size (inch)	流量代码 Flow code	入口孔径 Inlet orifice Dia	出口孔径 outlet orifice Dia	流量 L/min @									

扇形喷嘴 Flat fan nozzle

标准型 Standard type

			
H-VV 小流量	H-VVL 配带过滤器 With filter	H-U 中流量 Medium flow	U 大流量 High flow
1/8 英寸 -1/4 英寸 NPT 或 BSPT(外) 1/8 " -1/4 " NPT or BSPT(Male)	1/8 英寸 -1/4 英寸 NPT 或 BSPT(外) 1/8 " -1/4 " NPT or BSPT(Male)	1/8 英寸 -3/4 英寸 NPT 或 BSPT(外) 1/8 " -3/4 " NPT or BSPT(Male)	1/8 英寸 -2 英寸 NPT 或 BSPT(外) 1/8 " -2 " NPT or BSPT(Male)

设计特点 Design Feature



标准扇形喷嘴的特点是能产生高冲击力的液柱流或扇形喷雾。喷流角度: 0° ~ 110°。

H-VV 和 H-VVL 系列喷嘴在 3 巴压力下流量不到 3.9 升 / 分, 具有外管道螺纹接头。在订购型号中以 DT 代替 VV 即可提供内管道螺纹接头 H-VVL 系列喷嘴内装过滤器 (在内管道螺纹接头时没有过滤器)。

H-U 和 U 系列喷嘴在 3 巴压力下, 额定流量为 3.9 升 / 分或更大, 并具有外管道螺纹接头。

在订购型号中以 DU 代替 U 即可提供带内螺纹管道接头的 1/8" 和 1/4" H-U 系列喷嘴。



The feature of standard fan shaped nozzle is it generates high impact force of pillar flow or fan shaped spray.Spray angle is 0°-110°.

H-VV and H-VVL series' flow rate is under 3.9L/min at 3bar.It has male thread connector.In order style,use DT to replace VV,it means female thread connector.H-VVL series is with built-in filter(without filter when it is with female thread connector).

The rated flow of H-U and U series is 3.9L/min or more at 3bar.It is with male thread connector.

In order style,use DU to replace U,it means 1/8" and 1/4" H-U series nozzle with female thread connector.

一般应用 Common Application

- 冷却与淬火
- 产品洗涤
- 水的冷却
- 空气与气体净化器
- 擦洗器
- 液体清洗器
- 灰尘控制
- 防火
- Cooling and quenching
- Cleanning
- Air and gas purifier
- Scourers
- Liquid cleaner
- Dust control
- Fireproof

附件 Accessory



材料 Material

材料 Material	材料代码 Material code	VEEJET®			
		H-VV	H-VVL	H-U	U
黄铜 Brass		●	●	●	●
软钢 Soft steel	I			●	●
303 不锈钢 stainless steel	SS	●	●	●	●
316 不锈钢 stainless steel	316SS			●	●
聚氯乙烯 PVC	PVC			●	

扇形喷嘴 Flat fan nozzle

性能数据 Performance Data

喷流角度 (3巴时) Spray angle at 3 bar	流量大小 Flow code	VEEJET 喷嘴 喷嘴型号 / 入口接头 Nozzle type/inlet connector				等效喷孔 孔径 Equivalent orifice dia.	流量 (升 / 公分) Flow (L/min)												喷射角度 Spray angle		
		H-VV	H-VVL	H-U	U		0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar	1.5bar	3bar	6bar	14bar
110°	11001	●	●	●	●	0.66	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	94°	110°	121°	124°
	110015	●	●	●	●	0.79	0.19	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	97°	110°	121°	124°
	11002	●	●	●	●	0.91	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	98°	110°	120°	123°
	11003	●	●	●	●	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	99°	110°	120°	123°
	11004	●	●	●	●	1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	100°	110°	119°	122°
	11005	●	●	●	●	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	100°	110°	118°	122°
	11006	●	●	●	●	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	101°	110°	117°	122°
	11008					1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	102°	110°	117°	121°
	11010	●	●			2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	103°	110°	117°	129°
	11015	●	●			2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	104°	110°	117°	118°
	11020					2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	105°	110°	117°	118°
95°	950050	●	●			0.46												81°	95°	105°	113°
	9501	●	●	●	●	0.66	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	81°	95°	105°	113°
	95015	●	●	●	●	0.79	0.19	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	82°	95°	105°	113°
	9502	●	●	●	●	0.91	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	82°	95°	105°	113°
	9503	●	●	●	●	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	83°	95°	104°	111°
	9504	●	●	●	●	1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	84°	95°	103°	108°
	9505	●	●	●	●	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	84°	95°	102°	107°
	9506	●	●	●	●	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	86°	95°	101°	106°
	9508	●	●	●	●	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	87°	95°	100°	105°
	9510					2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	89°	95°	100°	105°
80°	9515					2.4	1.9	3.4</td													

扇形喷嘴 Flat fan nozzle

性能数据 Performance Data

喷流角度 (3巴时) Spray angle at 3 bar	流量大小 Flow code	VEEJET 喷嘴		VEEJET nozzle		等效喷孔 孔径 Equivalent orifice dia.	流量 (升/公分) Flow (L/min)												喷射角度 Spray angle						
		H-VV	H-VVL	H-U	U		0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar	1.5bar	3bar	6bar	14bar				
50°	5001	● ● ● ●				0.66		0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	37°	50°	59°	65°				
	5002	● ● ● ●				0.91		0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°				
	5003	● ● ● ●				1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°				
	5004	● ● ● ●				1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°				
	5005	● ● ● ●				1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°				
	5006	● ● ● ●				1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°				
	5008	● ● ● ●				1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°				
	5010	● ● ● ●				2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	45°	50°	55°	59°				
	5015	● ● ● ●				2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°				
	5020	● ● ● ●				2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°				
	5030	● ● ● ●				3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	45°	50°	55°	59°				
	5040	● ● ● ●				4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°				
	5050	● ● ● ●				4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°				
	5060	● ● ● ●				4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°				
	5070	● ● ● ●				5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°				
	50100	● ● ● ●				6.4	12.5	23	32	39	46	51	56	60	72	102	135	44°	50°	52°	54°				
	50120	● ● ● ●				6.7	15.0	27	39	47	55	61	67	72	86	122	162	44°	50°	53°	55°				
	50150	● ● ● ●				7.5	18.7	34	48	59	68	76	84	90	108	153	205	45°	50°	52°	55°				
	50200	● ● ● ●				8.7	25	46	64	79	91	102	112	121	144	205	270	46°	50°	52°	55°				
	50400	● ● ● ●				12.7	20	91	129	158	182	205	225	240	290	410	540	46°	50°	52°	55°				
	50500	● ● ● ●				13.1	62	114	161	197	230	255	280	300	360	510	680	49°	50°	51°	54°				
	50580	● ● ● ●				13.9	72	132	187	230	265	295	325	350	420	600	780	49°	50°	51°	53°				
	50750	● ● ● ●				15.9	94	171	240	295	340	385	420	455	540	770	1010	49°	50°	51°	53°				
	501000	● ● ● ●				18.3	125	230	325	395	455	510	560	610	720	1020	1350	49°	50°	51°	53°				
	501500	● ● ● ●				22.6	187	340	485	600	690	770	840	910	1080	1530	2020	49°	50°	51°	52°				
	502000	● ● ● ●				26.2	250	460	650	790	910	1020	1120	1210	1440	2040	2700	49°	50°	51°	52°				
40°	4001	● ● ● ●				0.66		0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	26°	40°	52°	59°					
	40015	● ● ● ●				0.79		0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	27°	40°	52°	59°					
	4002	● ● ● ●				0.91		0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	58°				
	4003	● ● ● ●				1.1		0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	57°				
	4004	● ● ● ●				1.3		0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	49°	55°				
	4005	● ● ● ●				1.4		1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	31°	40°	49°	55°				
	4006	● ● ● ●				1.6		1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	31°	40°	49°	55°				
	4008	● ● ● ●				1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	31°	40°	47°	53°				
	4010	● ● ● ●				2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	32°	40°	45°	48°				



网址: www.shxinhou.com
电话: 021-52043386 39281563
传真: 021-52240275

三件套组合扇形喷嘴 Three-piece combined fan nozzle

性能数据 Performance Data



T 型内螺纹嘴体 T type female thread nozzle body
TT 型外螺纹嘴体 T type male thread nozzle body



滤网过滤器



喷头
Spray tip



喷头护圈
Spray tip retainer



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三件套组合扇形喷嘴 Three-piece combined fan nozzle

性能数据 Performance Data

喷流角度 (3巴时) Spray angle at 3 bar	流量大小 Flow	等效喷孔 孔径 Equivalent orifice dia.	流量(升/公分) Flow (L/min)											喷射角度 Spray angle			
			0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar	1.5bar	3bar	6bar	14bar
65°	6510	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	56°	65°	71°	74°
	6515	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	1.8	15.3	20	56°	65°	70°	73°
	6520	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	57°	65°	70°	73°
	6530	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	58°	65°	69°	72°
	6540	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	59°	65°	68°	72°
	6550	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	60°	65°	68°	71°
	6560	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	60°	65°	68°	71°
	6570	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	60°	65°	68°	71°
50°	500017	0.28			0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.17		27°	50°	65°	74°
	500025	0.33			0.08	0.10	0.11	0.13	0.14	0.15	0.18	0.25	0.34	29°	50°	64°	71°
	500033	0.38			0.11	0.13	0.15	0.17	0.18	0.20	0.24	0.34	0.44	30°	50°	62°	68°
	500050	0.46			0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67	32°	50°	60°	66°
	500067	0.53			0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90	35°	50°	60°	66°
	5001	0.66		0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	37°	50°	59°	65°
	50015	0.79		0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	38°	50°	58°	64°
	5002	0.91		0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°
	5003	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°
	5004	1.6	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°
	5005	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°
	5006	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°
	5008	1.8	10	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°
	5010	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	.0	7.2	10.2	13.5	45°	50°	55°	59°
	5015	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°
	5020	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°
	5030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	15.7	18.1	22	31	40	45°	50°	55°	59°
	5040	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°
	5050	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°
	5060	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°
	5070	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°
40°	400017	0.28			0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.17	0.23	21°	40°	54°	61°
	400025	0.33			0.08	0.10	0.11	0.13	0.14	0.15	0.18	0.25	0.34	22°	40°	53°	60°
	400033	0.38			0.11	0.13	0.15	0.17	0.18	0.20	0.24	0.34	0.44	22°	40°	53°	60°
	400050	0.46			0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67	22°	40°	53°	60°
	400067	0.53			0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90	24°	40°	53°	59°
	4001	0.66			0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	26°	40°	52°	59°
	40015	0.79			0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	27°	40°	52°	58°
	4002	0.91		0.46	0.64	0.79	0.941	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	57°
	4003	1.1		0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	56°
	4004	1.3		0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	50°	55°
	4005	1.4		1.1	1.6	2.0	2.3	2.5	2.83	3.0	3.6	5.1	6.7	31°	40°	49°	55°
	4006	1.6		1.4	1.9	2.4	2.7	3.1	4.5	3.6	4.6	6.1	8.1	31°	40°	49°	53°
	4008	1.8	1.0	1.8	2.6	3.2	3.6	4.1	5.6	4.8	5.8	8.2	10.8	31°	40°	47°	48°
	4010	2.0	1.2	2.3	3.2	3.9	4.6	5.1	8.4	6.0	7.2	10.2	13.5	31°	40°	45°	48°
	4015	2.4	1.9	3.4	4.8	5.9	6.8	7.9	11.2	9.0	10.8	15.3	20	32°	40°	45°	48°
	4020	2.8	2.5	4.6	6.5	7.9	9.1	10.2	16.7	12.1	14.4	20	27	32°	40°	45°	48°
	4030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	22	18.1	22	31	40	32°	40°	45°	48°
	4040	4.0	5.0	9.1	12.9	15.8	18.2	20	28	24	29	41	54	33°	40°		



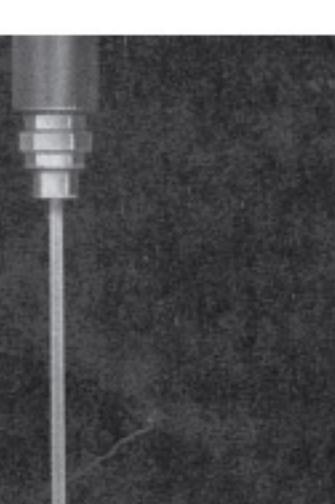
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三件套组合扇形喷嘴 Three-piece combined fan nozzle

性能数据 Performance Data

喷流角度 (3巴时) Spray angle at 3 bar	流量大小 Flow	等效喷孔 孔径 Equivalent orifice dia.	流量(升/公分) Flow (L/min)												喷射角度 Spray angle			
			0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar	1.5bar	3bar	6bar	14bar	
15°	150017	0.28		0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.17	0.23		15°	30°	37°		
	150025	0.33		0.08	0.10	0.11	0.13	0.14	0.15	0.18	0.25	0.34		15°	28°	34°		
	150033	0.38		0.11	0.13	0.15	0.17	0.18	0.20	0.24	0.34	0.44		15°	27°	32°		
	150050	0.46		0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67		15°	26°	30°		
	150067	0.53		0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90		15°	25°	29°		
	1501	0.66		0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3		15°	24°	28°		
	15015	0.79		0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0		15°	23°	27°		
	1502	0.91		0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	6°	15°	22°	27°		
	1503	1.1		0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	6°	15°	22°	27°		
	1504	1.3		1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	7°	15°	21°	26°		
	1505	1.4		1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	7°	15°	21°	26°		
	1506	1.6	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	8°	15°	21°	26°		
	1508	1.8	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	9°	15°	20°	25°		
	1510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	10°	15°	19°	24°		
	1515	2.4	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	10°	15°	19°	24°		
	1520	2.8	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	10°	15°	19°	23°		
	1530	3.6	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	10°	15°	19°	21°		
	1540	4.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	10°	15°	18°	21°		
	1550	4.4	11.4	16.1	19.7	23	25	28	30	36	51	68	11°	15°	18°	21°		
	1560	4.8	13.7	19.3	24	27	31	33	36	43	61	91	11°	15°	18°	21°		
	1570	5.2	16.0	23	28	32	36	39	42	50	71	94	11°	15°	18°	21°		
0°	000009	0.20	0.01	0.02	0.03	0.035	0.04	0.045	0.05	0.06	0.07	0.09	0.12					
	000012	0.25	0.02	0.03	0.04	0.05	0.055	0.06	0.067	0.08	0.09	0.12	0.16					
	000019	0.30	0.02	0.04	0.06	0.08	0.09	0.10	0.11	0.12	0.14	0.19	0.26					
	000021	0.34	0.03	0.05	0.07	0.08	0.10	0.11	0.15	0.13	0.15	0.21	0.28					
	000050	0.51	0.06	0.11	0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67					
	000067	0.58	0.08	0.15	0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90					
	0001	0.71	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3					
	00015	0.84	0.19	0.37	0.48	0.59	0.68	0.76	0.84	0.91	1.1	1.5	2.0					
	0002	0.99	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7					
	0003	1.2	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0					
	0004	1.4	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4					
	0005	1.5	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7					
	0006	1.7	0.72	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1					
	0008	2.0	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8					
	0010	2.2	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5					
	0015	2.7	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20					
	0020	3.2	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27					
	0030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40					
	0040	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54					

0°
液柱流



订购信息 Order information

全套喷嘴			Full set nozzle		
喷嘴主体	Nozzle body	Spray tip	+TP	11010	SS
喷头型号 (订购喷头时使用)	流量 大小	材料 代码	Spray tip type (For order of Spray tip)	Flow	Material code

滤网网眼选择指导 Screen mesh choice guide	

<tbl_r cells="2" ix="3" maxcspan="1" maxrspan="1" usedcols

空气雾化喷嘴 Air atomizing nozzle

设计特点 Design Feature



D 系列空气雾化喷嘴特殊的内部结构设计能使液体和气体均匀混合，产生微细液滴尺寸的喷雾或粗液滴喷雾。通常通过增加气体压力或降低液体压力可得到更加微细(30 毫米左右)的液滴喷雾，从而导致较高的气体流率与液体流率比。

可调形空气雾化喷嘴能够调节液体流量，在不改变空气压力和液体压力的环境下，同样可以产生合乎要求的喷雾，因此具有很强的适应性。

每一种喷雾装置均由空气帽和液体帽组成，能够提供扇形和圆形两种喷雾模式，并有着广泛的流量范围。喷嘴体的入口接头有多种尺寸，适合大多数常用的管道。以上喷嘴部件可以互换，这为得到不同的喷雾性能提供了灵活性和适应性。

D 系列空气雾化喷嘴产生的微细液滴喷雾，能对周围环境发挥极好的加湿作用。该系列喷嘴是要求有效湿度控制场所的理想选择。

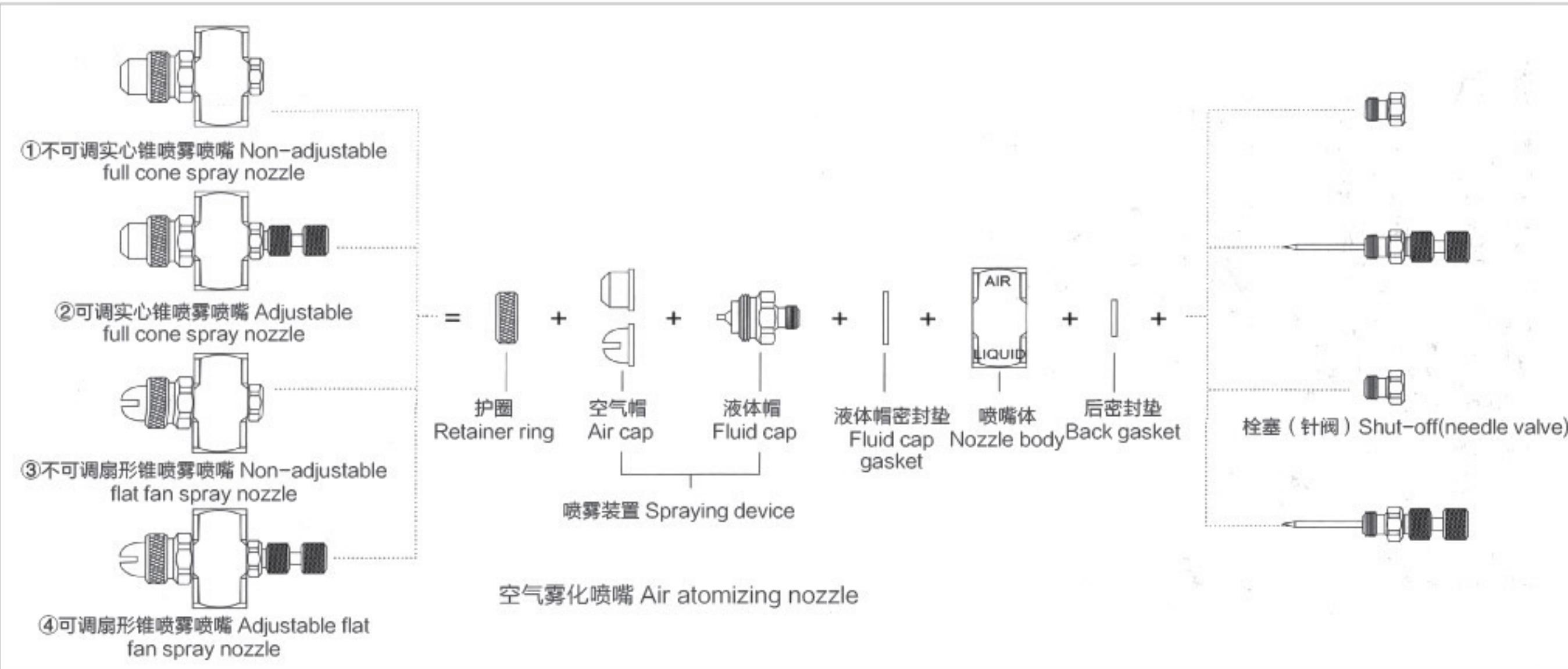
The special inner design of D series air atomizing nozzle can mix liquid and gas uniformly, and generate superfine drops of spraying or thick drops. Usually, the finer (about 30mm) drops are available through adding gas pressure or low down liquid pressure, so as to cause higher difference between gas flow rate and liquid flow rate.

Adjustable air atomizing nozzle can adjust liquid flow, and generate desirable spray without change air pressure and liquid pressure. So it has very strong adaptability.

Each spray installation composed by air cap and liquid cap, and provide fan shape and round spray pattern, and with wide flow range. Nozzle has many inlet sizes which are suitable for many normal pipe. The above nozzle parts can be replaced with each other, which give flexibility for acquiring different spraying performance.

D series air atomizing nozzle brings superfine drops which provide perfect humidifying function for the environment around.

喷嘴结构 Nozzle structure



一般应用 Common Application

- 纺织喷雾加湿
- Humidification
- 模具润滑
- Mould lubricating
- 喷雾注入
- Spray injection
- 空气消毒杀菌
- Air Disinfection and sterilization

订购信息 Order information

空气雾化喷嘴				
JN/J	1/4	SS	SU11	SS
喷嘴体型号	入口连接管	空气帽材质代码	喷雾装置号	液体帽材质代码
(JN 为可调, J 为不可调)	尺寸	(304 不锈钢)	(304 不锈钢)	
Nozzle body type (JN is adjustable, J is non-adjustable)	inlet connecting pipe dia	Air cap material code (304 stainless steel)	Spraying device No. (304 stainless steel)	Liquid cap material code (304 stainless steel)

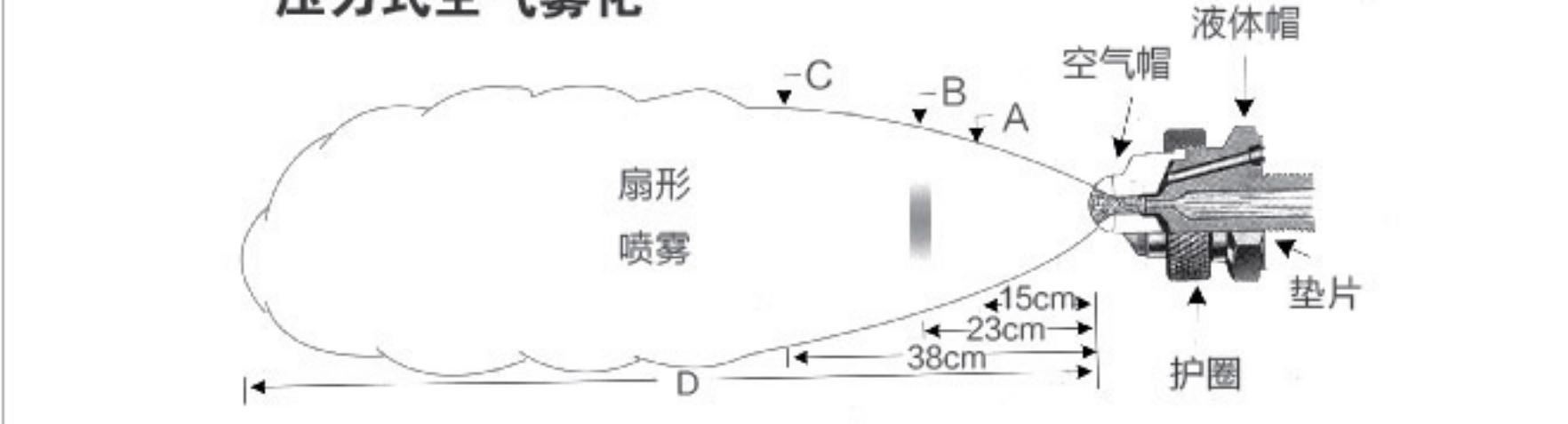
压力式空气雾化喷雾——扇形喷雾 Pressure air atomizing nozzle——Flat fan spray

设计特点 Design Feature

对于扇形喷雾型，“A”，“B”，“C”尺寸是离喷嘴相应距离处的流型宽度，如图所示。从喷嘴到最大弥散点的喷雾投射总距离为“D”。当利用压力供给的液体系统时，液体通过加压供给喷嘴。液体和压缩气体或气体在内部混合，以产生完全的雾化喷雾。

For flat fan spray, dimensions "A" "B" "C" are the pattern width at certain distance from the nozzle, as shown in picture. The total spray distance of spray projection from the nozzle to the maximum dispersal point is represented by "D". When using a pressure-fed liquid system, the liquid is supplied to the nozzle under pressure. The liquid and compressed air or gas are mixed internally to produce a completely atomized spray.

压力式空气雾化



扇形喷雾空气帽

在这些喷雾装置中使用的空气帽产生一个扇形喷雾型。



Flat fan spray air cap
The air cap used in these spray set-up produces a flat fan spray.

注: 1158 号护圈和 3612 号密封垫片必须与喷雾装置分开来订购，但是包括在标准喷嘴组件中。关于订购信息见 D3 页。

Remark: No.1158 retainer and 3612 gasket must be ordered separately from the spray set-up. But is included in the standard nozzle assembly.

扇形喷雾 Flat fan spray

喷雾装置号 Spray set-up No.	喷雾装置由空气帽和液体帽组成 Spray set-up consists of fluid and air cap combination	液体流量(升/小时)和空气流量(升/分) Liquid capacity(L/h) and Air capacity(L/min)												喷流尺寸 Spray size							
		0.7bar			1.5bar			水压 Water pressure 2bar			3bar			4bar			空气 Air Bar	液体 Liquid Bar	A (cm)	B (cm)	C (cm)
SU13A	液体帽Liquid cap 2050 / 空气帽 Air cap 73328	0.7	5.5	24	1.3	9.1	31	2.0	8.6	42	2.7	11.2	52	3.9	12.0	69	1.1	0.7	25	36	2.6
		0.85	4.7	27	1.5	7.7	36	2.2	7.5	47	3.0	10.1	56	4.6	9.7	81	2.1	1.5	36	48	3.0
		1.0	4.1	31	1.8	6.5	42	2.5	6.2	52	3.2	9.1	62	5.3	7.5	93	2.8	2.0	38	53	3.2
		1.1	3.5	34	2.1	5.4	47	2.8	5.2	57	3.5	8.1	66	6.0	5.3	104	3.5	3.0	47	61	3.4
		1.3	3.0	37	2.4	4.3	52	3.1	4.2	63	4.2	5.4	79	6.3	4.3	110	6.0	4.0	56	74	4.0
SU13	液体帽Liquid cap 2850 / 空气帽 Air cap 73328	1.4	2.5	40	2.7	3.3	57	3.2	3.7	65	4.6	4.2	85	6.7	3.3	116	7.0	2.4	122		
		1.5	2.0	44	2.8	2.8	60	3.4	3.2	68	4.9	3.1	91	7.0	2.4						
		0.85	8.2	19.8	1.4	14.4	27	2.1	13.5	36	2.7	19.1	42	4.6	16.1	69	1.1	0.7	36	46	2.1
		1.0	6.8	23	1.7	11.9	32	2.4	11.4	42	3.0	17.1	46	4.9	13.8	76	2.1	1.5	43	61	2.4
		1.1	5.5	27	2.0	9.5	37	2.7	9.2	47	3.2	15.1	52	5.3	11.5	83	3.0	2.0	51	66	2.6
SUN13	液体帽Liquid cap 2850 / 空气帽 Air cap 73335	1.3	4.1	30	2.1	8.3	40	3.0	7.1	53	3.5	13.1	57	5.6	9.3	90	3.5	3.0	58	76	2.7
		1.4	2.9	34	2.2	7.1	43	3.2	5.0	59	4.2	8.1	72	6.0	7.3	97	5.6	4.0	58	76	3.2
		1.0	9.0	25	2.0	10.4	41	2.4	11.6	48	3.1	15.6	56	4.2	17.1	73	1.4	0.7	10	13	17
		1.1	7.8	30	2.1	9.3	45	2.5	10.4	51	3.2	14.6	59	4.6	15.0	80	2.5	1.5	13	15	20
		1.3	6.6	32	2.2	8.2	48	2.7	9.4	54	3.4	13.7	62	4.9	12.8	87	3.2	2.0	13	17	22
SU14	液体帽Liquid cap 2850 / 空气帽 Air cap 73320	1.4	5.2	36	2.5	6.1	55	3.0	7.3	61	3.8	10.8	71	5.3	11.0	94	3.8	3.0	15	22	28
		1.7	3.1	44	2.8	4.3	62	3.2	5.5	68	4.2	8.5	82	5.6	9.4	103	5.3	4.0	20	25	33
		2.0	2.0	50	3.1	3.0	69	3.5	4.1	75	4.9	5.2	98	6.3	7.2	119	6.1	5.6	120	134	4.8
		2.2	1.1	56	3.4	2.0	75	3.8	2.9	81	6.0	2.3	120	7.0	6.1						
		1.3	3.9	30	2.1	7.4	40	3.0	6.1	52	3.9	9.4	60	5.3	10.2	78	1.5	0.7	25	33	1.8
SUN23	液体帽Liquid cap 60100 / 空气帽 Air cap 15340	1.4																			

压力式空气雾化喷雾——圆形喷雾 Pressure air atomizing nozzle——Round spray

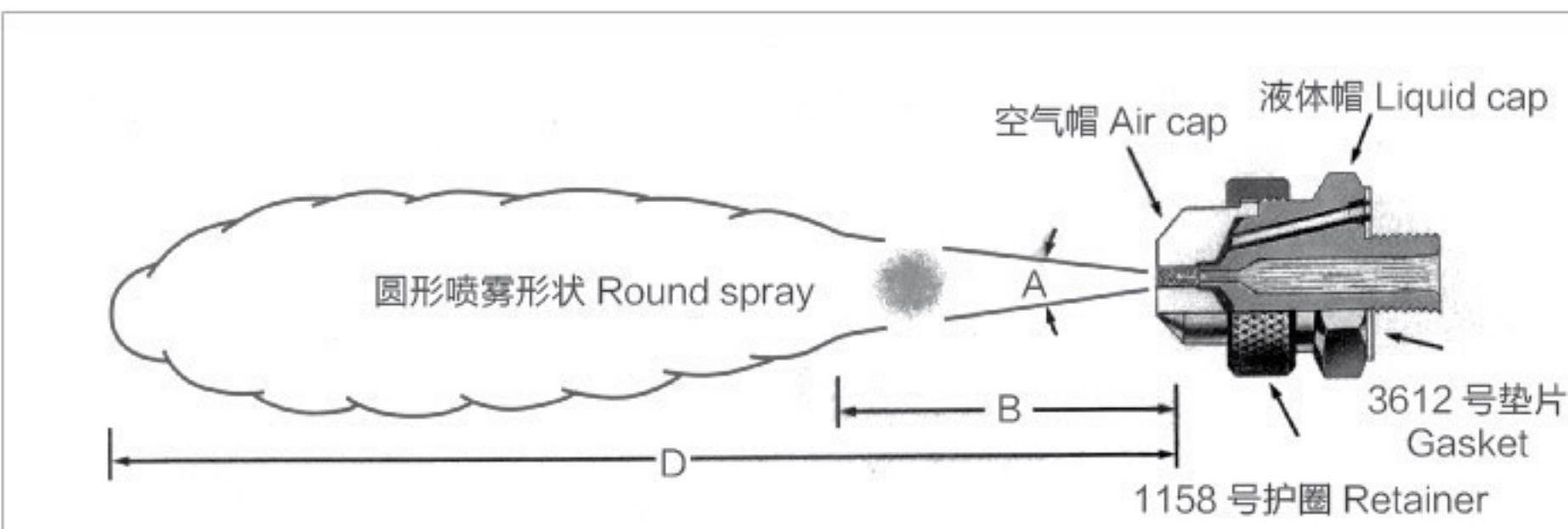
设计特点 Design Feature

对于圆形喷雾形状，在“B”距离内喷雾斗保持有喷流角度“A”。超出“B”的距离范围以外，喷雾变成湍流，一直投射到“D”距离。当使用压力输送的液体系统时，通过压力将液体供给喷嘴，液体和压缩空气或气体在内部混合，从而产生完全雾化的喷雾。

For round spray pattern, Angle "A" is maintained throughout distance "B".

Beyond "B", the spray becomes turbulent, and will project to distance "D". When using a pressure-fed liquid system, the liquid is supplied to the nozzle under pressure.

The liquid and compressed air or gas are mixed internally to produce a completely atomized spray.



注: 1158号护圈和3612号密封垫片必须与喷雾装置分开来订购，但是包括在标准喷嘴组件中。关于订购信息见D3页。
Remark: No.1158 retainer and 3612 gasket must be ordered separately from the spray set-up. But is included in the standard nozzle assembly.

圆形喷雾 Round spray

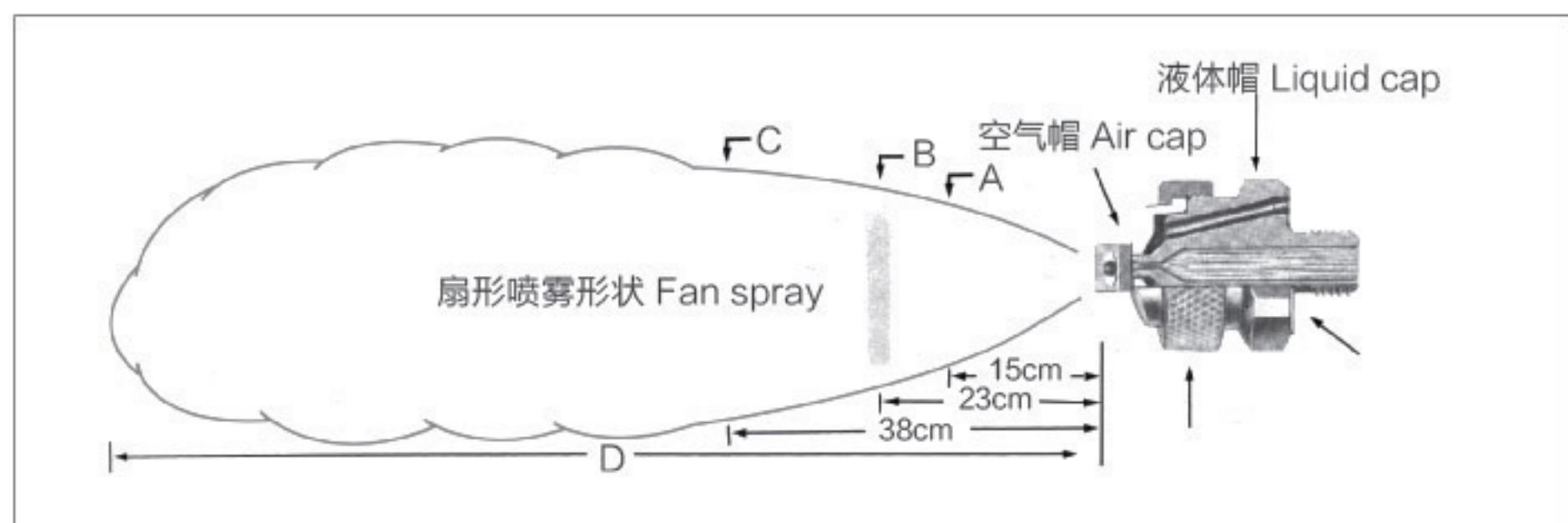
喷雾装置号 Spray set-up No.	喷雾装置由 空气帽和液体帽组成 Spray set-up consists of fluid and air cap combination	液体流量(升/小时)和空气流量(升/分) Liquid capacity(L/h) and Air capacity(L/min)												喷流尺寸 Spray size							
		0.7bar			1.5bar			水压 Water pressure 2bar			3bar			4bar							
		空气压力 Air pressure (bar)	水 (升/小时) Water (L/h)	空气 (升/分) Air (L/min)	空气压力 Air pressure (bar)	水 (升/小时) Water (L/h)	空气 (升/分) Air (L/min)	空气压力 Air pressure (bar)	水 (升/小时) Water (L/h)	空气 (升/分) Air (L/min)	空气压力 Air pressure (bar)	水 (升/小时) Water (L/h)	空气 (升/分) Air (L/min)	空气压力 Air pressure (bar)	水 (升/小时) Water (L/h)	空气 (升/分) Air (L/min)	A (cm)	B (cm)	D (m)		
SU11	液体帽Liquid cap 2050 /	0.7	2.5	15.6	1.1	6.4	11.9	1.4	6.4	13.9	2.7	6.2	23	3.5	7.8	28	0.85	0.7	13°	30	2.7
		0.85	1.8	19.0	1.4	5.0	15.0	1.7	5.5	16.7	2.8	5.7	25	3.7	7.3	29	1.7	1.5	13°	33	3.0
	空气帽 Air cap 67147	1.0	1.4	22	1.7	4.1	18.7	2.0	4.5	19.8	3.0	5.2	27	3.9	6.4	33	1.7	1.5	13°	36	3.4
					1.8	3.4	20	2.2	3.4	24	3.1	4.7	29	4.2	5.5	38	2.5	2.0	13°	39	3.8
SU12A	液体帽Liquid cap 2050 /	0.7	2.5	18.7	1.4	5.7	27	1.7	6.7	29	2.2	9.2	34	2.8	11.9	39	0.85	0.7	12°	43	3.7
		0.85	2.0	22	1.5	5.2	29	1.8	6.4	31	2.5	8.2	39	3.1	11.0	43	1.5	1.5	13°	46	4.0
	空气帽 Air cap 73160	1.0	1.6	26	1.7	4.8	32	2.0	5.9	34	2.8	7.2	44	3.4	10.1	47	2.4	2.0	13°	48	4.6
					1.8	4.3	35	2.1	5.2	37	3.0	6.7	47	3.7	9.2	52	2.4	2.0	13°	51	5.2
SU12	液体帽Liquid cap 2850 /	0.85	4.8	21	1.7	8.4	31	2.0	10.7	33	2.7	16.5	37	3.4	20	43	1.5	0.7	12°	48	4.0
		1.1	4.1	27	1.8	7.5	35	2.1	9.8	37	2.8	15.4	38	3.7	18.4	47	1.5	0.7	13°	51	4.3
	空气帽 Air cap 73160	1.4	3.4	33	2.0	7.0	37	2.4	8.2	42	3.1	13.6	43	3.9	16.8	50	2.5	1.5	13°	53	4.6
		1.5	3.1	35	2.2	5.7	44	2.7	6.8	48	3.4	11.8	49	4.2	15.2	55	3.0	2.0	13°	56	4.9
SU22B	液体帽Liquid cap 40100 /	1.8	3.0	39	2.5	4.8	49	3.0	5.9	55	3.7	10.4	55	4.5	13.8	60	3.4	3.0	14°	66	5.3
		1.9	2.9	41	2.8	4.1	54	3.2	5.0	59	3.9	9.1	61	4.8	12.4	65	4.2	4.0	15°	60	5.3
	空气帽 Air cap 1401110	2.0	2.8	44	3.1	3.6	59	3.5	4.1	65	4.2	7.9	65	4.9	11.8	68	3.9	4.0	15°	97	9.1
					1.1	13.0	76	2.2	17.8	116	2.8	20	136	3.4	32	149	4.6	3.7	18°	66	4.9
SU22	液体帽Liquid cap 60100 /	1.4	8.9	91	2.5	13.1	130	3.1	16.3	149	3.9	25	170	5.3	29	220	1.7	0.7	18°	66	4.9
		1.5	7.2	98	2.8	9.5	143	3.4	11.9	163	4.6	15.9	205	5.6	25	235	2.8	1.5	20°	76	6.1
	空气帽 Air cap 1401110	1.7	5.8	105	3.1	7.0	157	3.9	7.0	187	5.3	9.1	240	6.0	21	250	3.9	2.0	20°	81	6.7
		2.0	3.6	119	3.5	4.2	178	4.6	3.0	220	6.0	5.0	275	6.7	24	270	5.3	3.0	21°	91	7.9
SU42	液体帽Liquid cap 100150 /	0.85	31	57	1.4	61	69	2.1	53	96	2.7	80	103	3.8	88	135	1.0	0.7	17°	61	4.9
		1.0	25	66	1.5	54	76	2.4	41	112	3.0	69	117	4.2	73	156	1.0	0.7	18°	69	5.8
	空气帽 Air cap 1891125	1.1	18.5	75	1.7	48	85	2.7	31	127	3.2	59	130	4.6	61	176	1.8	1.5	18°	69	5.8
		1.3	12.9	85	1.8	41	93	2.8	26	136	3.5	49	146	4.9	48	196	2.8	2.0	20°	76	6.7
SU46	液体帽Liquid cap 100150 /	2.0	55	130	2.2	30	110	2.1	44	144	3.7	44	154	5.3	39	215	3.5	3.0	20°	79	7.0
					2.1	30	110	2.3	37	161	5.6	31	240	4.9	40	21°	91	7.0			
	空气帽 Air cap 1891125	2.2	25	119				3.9	35	170	6.0	23	260			19°	117	9.1			
					1.7	87	105	2.4	79	143	3.1	121	154	3.8	182	163	2.4	2.0	21°	104	7.6
SU30	液体帽Liquid cap 40100 /	1.7	25	167	3.1	33	240	3.5	43	260	4.9	47	345	6.3	77	425	3.2	1.5	20°	34	6.4
		1.8	15.1	178	3																

扇形压力式空气雾化——外部混合 Flat fan pressure air atomizing——external mix

设计特点 Design Feature

通过外部混合装置改变气体压力而不改变液体率来控制变化。对于扇形喷雾，尺寸“A”、“B”、“C”是离喷嘴相应距离处的流型宽度，如图所示。喷雾从喷嘴投射到最大强散点的总距离为“D”。在使用压力传送的液体系统时，液体由压力输送喷嘴。液体和压缩气体或气体在外部混合，以产生完全雾化的喷雾。

To control the changes by external mix to change gas pressure without liquid flow. For flat fan spray, dimensions "A" "B" and "C" are the pattern width at distance from the nozzle, as shown in picture. The total spray distance of spray projection from the nozzle to the maximum dispersal point is represented by "D". When using a pressure-fed liquid system, the liquid is supplied to the nozzle under pressure. The liquid and compressed air or gas are mixed externally to produce a completely atomized spray.



注: 1158 号护圈和 3612 号密封垫片必须与喷雾装置分开来订购，但是包括在标准喷嘴组件中。关于订购信息见 D3 页。
Remark: No.1158 retainer and 3612 gasket must be ordered separately from the spray set-up. But is included in the standard nozzle assembly.

扇形喷雾 Flat fan spray

喷雾装置号 Spray set-up No.	喷雾装置由空气帽和液体帽组成 Spray set-up consists of fluid and air cap combination	液体流量(升/小时)和空气流量(升/分) Liquid capacity(L/h) and Air capacity(L/min)												喷流尺寸 Spray size										
		0.2bar			0.3bar			水压 Water pressure 0.7bar			1.5bar			4bar										
		空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气 Bar	液体 Liquid Bar	A (cm)	B (cm)	C (cm)	D (m)					
SUE15B	液体帽 Liquid cap	0.2	25.2		0.35	26.3		0.7	31.2		1.4	45.3		2.8	73.6		0.2	0.2	9	15	23	0.9		
	1650	0.35	26.3		0.7	31.2		1.05	39.6		1.4	45.3		3.5	85.0		1.05	0.2	9	15	23	1.2		
	/	0.7	31.2		1.05	39.6		1.4	45.3		2.1	59.5		4.2	102		1.4	0.35	10	15	23	1.2		
	空气帽 Air cap	1.4	45.3		1.75	53.8		2.1	59.4		2.8	73.6		7.8	11.0		1.4	1.4	11.5	18	25	1.5		
SUE18B	液体帽 Liquid cap	0.35	22		0.4	25		0.6	28		0.7	34		1.1	45		0.4	0.3	20	28	33	1.2		
	1650	0.4	25		0.4	25		0.6	28		0.7	34		1.1	45		0.6	0.7	23	30	40	1.8		
	/	0.5	27.5		0.6	28		0.7	34		0.85	40		1.1	45		1.1	1.5	28	33	43	2.4		
	空气帽 Air cap	0.6	28		0.7	34		0.85	40		1.4	54		2.5	79		1.4	1.5	25	30	41	2.7		
SUE15A	液体帽 Liquid cap	0.36	26.3		0.7	31.2		1.05	39.6		1.4	45.3		1.75	53.8		3.15	82	0.35	0.2	7.5	14	22	1.0
	2050	0.7	31.2		1.05	39.6		1.4	45.3		2.1	59.4		3.5	85		1.4	0.2	9	15	22	1.7		
	/	1.4	45.3		1.75	53.8		2.1	59.4		2.8	73.6		4.2	102		1.75	0.35	10	16.5	23	1.8		
	空气帽 Air cap	1.75	53.8		2.1	59.4		2.8	73.6		3.5	85.0		4.9	119		1.75	1.4	13	19	29	2.1		
SUE18A	液体帽 Liquid cap	0.36	26.3		0.7	31.2		1.05	39.6		1.4	45.3		1.75	53.8		3.15	82	0.7	0.3	28	33	40	1.5
	2050	0.6	28		0.7	34		0.7	34		1.4	54		1.1	45		1.1	0.7	30	38	48	2.1		
	/	0.7	34		1.1	45		1.4	54		2.1	71		2.1	79		1.4	1.5	35	43	56	2.4		
	空气帽 Air cap	1.1	45		1.4	54		2.1	57		2.5	79		1.8	2.0		1.8	2.0	38	46	58	2.7		
SUE15	液体帽 Liquid cap	0.7	31.2		1.05	39.6		1.4	45.3		1.72	53.8		2.5	68		0.7	0.2	13	16.5	25	1.2		
	2850	1.05	39.6		1.4	45.3		1.75	53.8		2.1	59.4		3.5	85		1.75	0.2	13	16.5	25	1.8		
	/	1.75	53.8		2.1	59.4		2.8	73.6		3.5	85.0		4.2	102		2.1	0.35	13	18.0	24	1.8		
	空气帽 Air cap	2.1	59.4		2.8	73.6		3.5	85.0		4.9	119		5.6	139		2.8	0.7	14	19	30	2.3		
SUE18	液体帽 Liquid cap	0.4	25		0.4	25		0.6	28		0.7	34		1.4	54		0.6	0.3	35	48	61	1.8		
	2850	0.5	27.5		0.6	28		0.6	28		0.85	40		1.8	62		0.6	0.7	35	48	63	1.5		
	/	0.6	28		0.65	31		0.7	34		1.1	45		2.3	73		1.1	1.5	41	51	66	2.1		
	空气帽 Air cap	0.7	34		0.7	34		0.8	40		1.4	54		2.1	71		1.8	2.0	41	51	69	2.7		
SUE18	液体帽 Liquid cap	0.4	25		0.4	25		0.6	28		0.6	28		1.4	54		0.6	0.3	35	48	61	1.8		
	2850	0.5	27.5		0.6	28		0.6	28		0.85	40		1.8	62		0.7	1.5	38	48	63	1.5		
	/	0.6	28		0.65	31		0.7	34		1.1	45		2.3	73		1.1	1.5	41	51	66	2.1		
	空气帽 Air cap	0.7	34		0.7	34		0.8	40		1.4	54		2.1	79		2.1	3.0	41	51	69	2.9		

扇形压力式空气雾化——外部混合 Flat fan pressure air atomizing——external mix

扇形喷雾(外部混合)-续表 Flat fan spray(External mix)

喷雾装置号 Spray set-up No.	喷雾装置由空气帽和液体帽组成 Spray set-up consists of fluid and air cap combination	液体流量(升/小时)和空气流量(升/分) Liquid capacity(L/h) and Air capacity(L/min)												喷流尺寸 Spray size						
0.2bar			0.3bar			水压 Water pressure 0.7bar			1.5bar			4bar								
空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气压力 Air pressure (bar)	空气 (升/分) Air (L/min)	水 (升/小时) Water (L/h)	空气 Bar	液体 Liquid Bar	A (cm)	B (cm)	C (cm)	D (m)

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虹吸式空气雾化喷嘴 Syphon air atomizing nozzle

设计特点 Design Feature

对于圆形喷雾流型，在“B”距离内，喷雾都能保持喷流角度“A”，在距离“B”以远处，喷雾变成湍流，并将延伸到距离“D”。当使用虹吸或重力传送的液体系统时，由液体虹吸或者重力传送供给液体。

For round spray type,spray can keep spray angle "A" within "B" range.Spray becomes turbulence when it goes beyond "B" ,and extends to "D" .

Using syphon or gravity convey liquid systems supply goes to liquid through liquid syphon or gravity convey.

圆形喷雾 Round spray

喷雾装置号 Spray set-up No.	喷雾装置由空气帽和液体 组成 Spray set-up consists of fluid and air cap combination	雾化空气 Atomizing air		液体容量(升/小时) Liquid capacity(L/h)							虹吸高度为20厘米时的喷流尺寸 Spray size at 20cm siphon height			
		空气压力Air pressure (bar)	空气容量(升/分) Air capacity (L/min)	重力落差 Gravity head			虹吸高度 Siphon height				空气 Air Bar	喷流角度 Spray angle	B (cm)	D (m)
				45(cm)	30(cm)	15(cm)	10(cm)	20(cm)	30(cm)	60(cm)				
SUJ1A 液体帽Liquid cap J1650 和空气帽Air cap J64		0.7	11.3	1.5	1.3	1.1	0.87	0.68	0.53	0.62 1.1 1.2	0.7	18°	28	1.8
		1.5	17.0	1.8	1.7	1.5	1.3	1.2	1.1		1.5	18°	28	1.9
		3.0	28	2.1	1.9	1.7	1.5	1.4	1.3		3.0	18°	30	2.3
		4.0	36	2.2	2.0	1.8	1.6	1.5	1.4		4.0	18°	36	2.6
SUJ1 液体帽Liquid cap J2050 和空气帽Air cap J64		0.7	11.3	2.4	2.1	1.7	1.5	1.2	0.79	0.91 1.7 2.1	0.7	18°	30	2.1
		1.5	20	2.8	2.6	2.4	2.1	1.9	1.6		1.5	18°	33	2.3
		3.0	32	3.4	3.1	2.9	2.8	2.6	2.4		3.0	18°	38	2.6
		4.0	41	3.7	3.4	3.3	3.1	2.9	2.7		4.0	19°	43	3.0
SUJ2A 液体帽Liquid cap J2050 和空气帽Air cap J70		0.7	23	2.5	2.3	2.0	1.6	1.4	1.1	0.89 1.9 2.5	0.7	18°	30	2.4
		1.5	36	2.9	2.8	2.5	2.2	2.0	1.7		1.5	18°	33	2.7
		3.0	58	3.4	3.3	3.2	2.9	2.8	2.5		3.0	19°	38	3.4
		4.0	74	3.7	3.6	3.5	3.4	3.3	3.0		4.0	20°	43	4.0
SUJ2 液体帽Liquid cap J2850 和空气帽Air cap J70		0.7	19.3	4.5	4.0	3.4	2.1	1.8	1.4	1.8 2.4 3.5	0.7	21°	38	3.0
		1.5	31	5.3	4.9	4.4	3.5	2.9	2.7		1.5	21°	41	3.4
		3.0	50	6.0	5.6	5.0	4.4	4.0	3.4		3.0	21°	46	4.0
		4.0	65	5.7	5.4	5.0	4.2	3.9	3.5		4.0	22°	51	4.6
SUJ4 液体帽Liquid cap J60100 和空气帽Air cap J120		1.5	58	22	19.9	16.3	12.3	10.5	8.3	2.8 6.4 9.8	1.5	17°	46	3.7
		3.0	88	25	23	19.5	16.7	14.2	11.5		3.0	18°	51	4.3
		4.5	111	26	24	21	18.4	15.7	12.9		4.5	18°	53	4.9
		5.6	147	26	24	22	19.7	17.0	14.6		5.6	19°	58	5.5
SUJ4B 液体帽Liquid cap J100150 和空气帽Air cap J180		2.0	144	4.5	4.0	3.4	2.1	1.8	1.4	2.0 2.8 3.0 4.0	2.0	20°	51	6.7
		3.0	190	43	40	31	28	23	11.0		3.0	20°	53	7.0
		4.0	240	42	39	31	28	24	16.7		4.0	21°	58	7.6
		5.6	315	44	42	40	32	26	8.3		5.6	22°	63	8.2

对于扇形喷雾流型，尺寸“A”、“B”、“C”是离喷嘴相应距离处喷雾宽度，如图所示。从喷嘴到最大强散点的喷雾投射总距离为“D”。

扇形喷雾 Fan spray

喷雾装置号 Spray set-up No.	喷雾装置由空气帽和液体 组成 Spray set-up consists of fluid and air cap combination	雾化空气 Atomizing air		液体容量(升/小时) Liquid capacity(L/h)							虹吸高度为20厘米时的喷流尺寸 Spray size at 20cm siphon height						
		空气压力Air pressure (bar)	空气容量(升/分) Air capacity (L/min)	重力落差 Gravity head			虹吸高度 Siphon height				空气 Air Bar	A (cm)	B (cm)	C (cm)	D (cm)		
				45(cm)	30(cm)	15(cm)	10(cm)	20(cm)	30(cm)	60(cm)							
SUJF1 液体帽Liquid cap J2850 和空气帽Air cap J3420		0.7	28	1.3	1.2	1.1	1.0	0.95	0.83	0.64	0.49	0.7	20	26	38	2.1	
		1.5	43	1.2	1.1	1.0	0.90	0.86	0.78	0.66	0.54	1.5	21	29	38	2.1	
		2.0	50	0.82	0.7	0.68	0.57	0.5	0.45	0.23	0.20	2.0	23	30	38	1.8	
		3.0	65	3.7	3.5	3.3	2.9	2.8	2.5	2.3	2.1	1.5	24	34	42	2.7	
SUJF2C 液体帽Liquid cap J35100 和空气帽Air cap J20432		1.5	87	3.4	3.3	3.1	2.8	2.7	2.6	2.4	2.2	1.7	3.0	27	37	46	3.0
		2.0	110	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.7	4.0	28	39	48	2.7	
		3.0	103	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.0	3.0	22	27	30	33	3.0
		3.5	117	2.2	2.0	1.7	2.0	1.7	1.5	1.3	1.2	3.0	22	27	30	33	3.0
SUJ3B 液体帽Liquid cap J 和空气帽Air cap J22435		1.5	68	5.1	4.8	4.5	3.8	3.7	3.5	3.0	2.4	1.5	19	23	27	34	3.4



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AA 精细雾化喷嘴 AA Super-fine atomizing nozzle

AAZ-W	AAZ-N	AAZ-M
内装过滤器, 广角喷雾 1/4 英寸 NPT 或 BSPT(外) Filter in side, wide angle spray 1/4" NPT or BSPT(male)	内装过滤器, 1/4 英寸 NPT 或 BSPT(内) Filter in side, wide angle spray 1/4" NPT or BSPT(female)	双体设计, 1/4 英寸 NPT 或 BSPT(外) Bicorporate design 1/4" NPT or BSPT(male)

设计特点 Design Feature

微细雾化喷流喷嘴只采用液体压力来产生非常细小的液滴，喷雾形状成均匀的空心锥形，通常能获得湿雾效果。所有的零件都是精密制造的。喷孔嵌体、芯子和过滤器都易于拆卸作检查或清洗。以上喷嘴都装有过滤器。

Super-fine jet nozzle only use liquid pressure to produce tiny drops. Spray shape is uniform hollow cone, which can bring fog. All parts are precision crafted. Spray orifice inlay, core and filter are easy to be detached to maintain or clean. The above nozzles all are with filters.

性能数据 Performance Data

AAZ-W	AAZ-N	AAZ-M	额定喷孔孔径 Rated Spray orifice Dia. (mm)	芯号 Core No.	流量 (升 / 时)Flow rate(L/h)							喷射角度 Spray angle				
					2bar	5bar	10bar	15bar	20bar	30bar	40bar	50bar	70bar	3bar	6bar	20bar
1/4AAZ-W0.60	1/4AAZ-N0.60	1/4AAZ-M0.60	0.41	206			4.3	5.3	6.1	7.5	8.6	9.7	11.4		35°	65°
1/4AAZ-W1	1/4AAZ-N1	1/4AAZ-M1	0.51	210		5.1	7.2	8.8	10.2	12.5	14.4	16.1	19.1	45°	62°	72°
1/4AAZ-W1.5	1/4AAZ-N1.5	1/4AAZ-M1.5	0.51	216	4.8	7.6	10.8	13.2	15.3	18.7	22	24	29	65°	70°	72°
1/4AAZ-W2	1/4AAZ-N2	1/4AAZ-M2	0.71	216	6.4	10.2	14.4	17.7	20	25	29	32	38	70°	75°	77°
1/4AAZ-W3	1/4AAZ-N3	1/4AAZ-M3	0.71	220	9.7	15.3	22	26	31	37	43	48	57	65°	70°	73°
1/4AAZ-W4	1/4AAZ-N4	1/4AAZ-M4	1.1	220	12.9	20	29	35	41	50	58	64	76	72°	81°	84°
1/4AAZ-W6	1/4AAZ-N6	1/4AAZ-M6	1.1	225	19.3	31	43	53	61	75	86	97	114	73°	79°	81°
1/4AAZ-W8	1/4AAZ-N8	1/4AAZ-M8	1.5	225	26	41	58	71	82	100	115	129	153	85°	89°	91°
1/4AAZ-W10	1/4AAZ-N10	1/4AAZ-M10	1.6	420	32	51	72	88	102	125	144	161	191	82°	84°	86°
1/4AAZ-W12	1/4AAZ-N12	1/4AAZ-M12	1.9	420	39	61	86	106	122	150	173	193	230	78°	82°	85°
1/4AAZ-W14	1/4AAZ-N14	1/4AAZ-M14	1.9	421	45	71	101	124	143	175	200	225	265	85°	88°	90°
1/4AAZ-W18	1/4AAZ-N18	1/4AAZ-M18	1.9	422	58	92	130	159	183	225	260	290	345	81°	84°	86°
1/4AAZ-W22	1/4AAZ-N22	1/4AAZ-M22	1.9	625	71	112	159	194	225	275	320	355	420	70°	72°	75°
1/4AAZ-W26	1/4AAZ-N26	1/4AAZ-M26	2.2	625	84	133	187	230	265	325	375	420	495	73°	74°	77°

一般应用 Common Application

- 加温: 气控室内加温 ● Humidifying
- 冷却: 气体、金属等 ● Cooling
- 散步: 药液 ● Spreading
- 调湿 ● Water Conditioning
- 蒸发冷却 ● Evaporative cooling

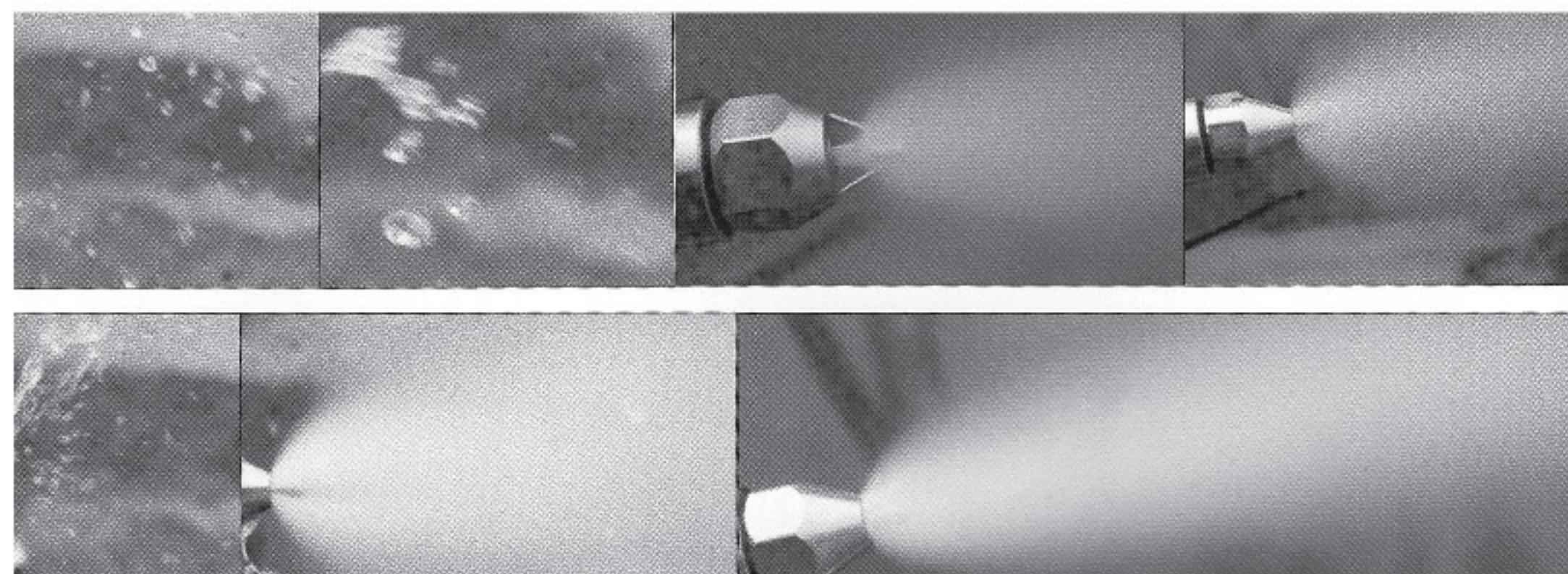
订购资料 Order information

AAZ-W	—	1/4	—	206
Nozzle style	Inlet connector size	Core No.		



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超声波空气雾化喷嘴 Ultrasonic Air Atomizing Nozzle



核心产品 Core Products



类别 Categories	ADG SK508 nozzles 80°	ADG SV980 nozzles 30°	ADG SV882 nozzles 60°
气体压力 Gas pressure	5.2bar	3.5bar	5.2bar
水压力 Water pressure	1.5bar	0.6bar	1.2bar
气体消耗 Gas consumption	115L/Min	260L/Min	240L/Min
水量消耗 Water consumption	7.1L/Hr	45L/Hr	20L/Hr
雾化颗粒度 Atomizing granularity	3-6microns	4-10microns	7-10microns
气体过滤要求 Gas filtration demand	<40microns	<40microns	<40microns
水过滤要求 Water filtration demand	<50microns	<50microns	<50microns

配件 Fittings

保温性喷头座 **7785 Q235**
Heat preservation spray tip holder



K1空气吹气用扇形喷嘴 K1 air Blowing flat fan nozzle

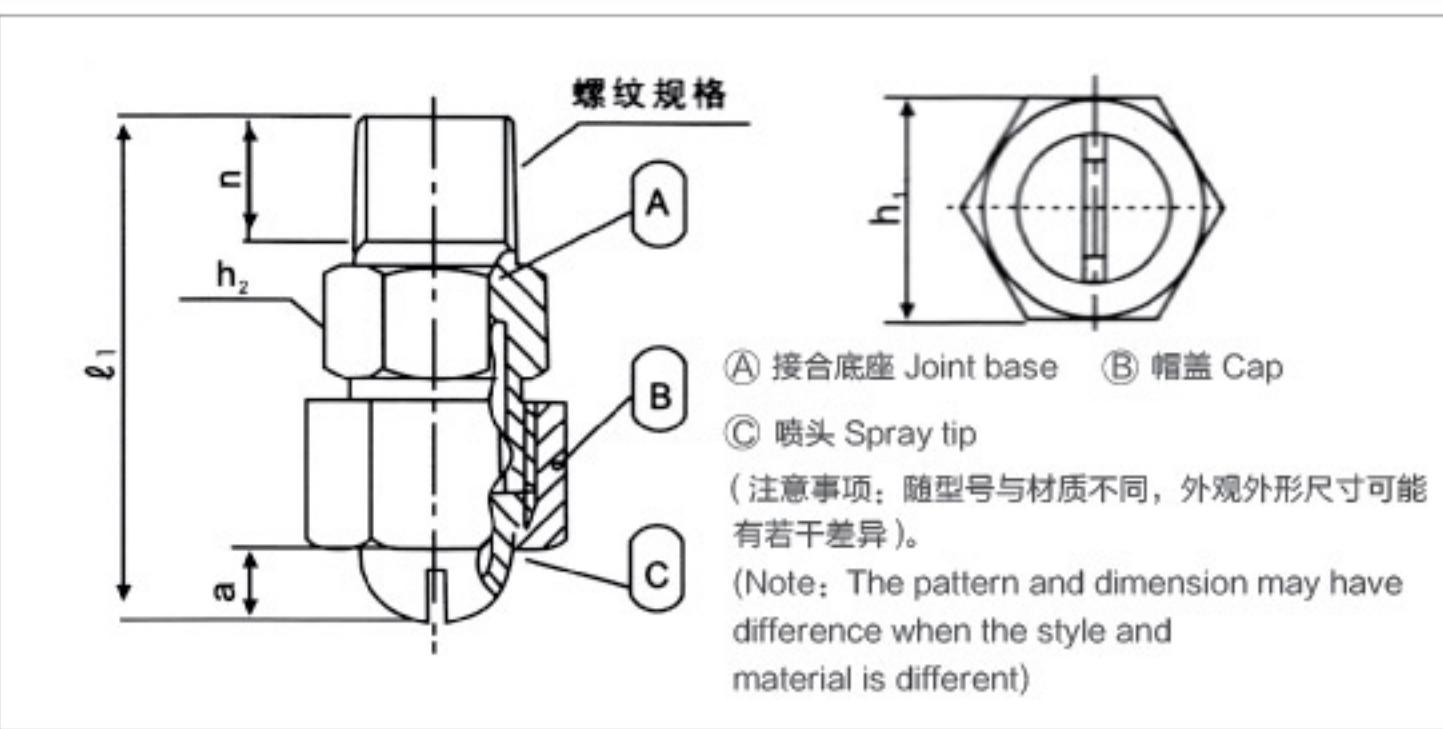
设计特点 Design Feature



空气或蒸汽的扇形喷射
有效喷胶的持续距离极短，这点与液体不同
标准压力：3巴
主要用途：
压缩空气：清扫、除尘、干燥、气帘
蒸汽、加湿、调温、调湿等

K1系列 K1 Series

K1 系列 K1 Series	
构造 Structure	构造由喷口部，帽盖接合配件三部分组成。可只更换损耗的喷口部帽盖，接合配件可三组型标准扇形喷嘴（液体用）互换。 The structure is composed of spray tip,nozzle cap and the joint part.only need to change the wearing spray tip nozzle cap and the joint part can be replaced with three-piece suit of standard flat fan nozzle(for liquid).
材质 Material	黄铜或 303,304 或 316 不锈钢，或其它 Brass, 303/304 or 316 stainless steel or others
螺纹规格 Thread dimension	1/4 3/8



性能数据 Performance Data

螺纹规格 Thread dimension	槽宽 Slot width (mm)	空气流量(升/分) Air flow rate(L/min)			蒸汽流量(公升/小时) Vapour flow rate(L/hour)				距喷嘴150mm处的覆盖范围 The coverage at 150mm to nozzle		
		1bar	2bar	3bar	7bar	1bar	2bar	4bar	7bar	1bar	4bar
L	0.20	21	38	65	102	0.75	1.4	2.3	3.7	275	419
P	0.33	41	60	99	153	1.5	2.1	3.6	5.5	152	254
Q	0.58	77	111	190	305	2.8	4.0	6.8	11.5	228	330
R	1.1	132	198	345	540	4.7	7.1	12.3	19.5	158	241
U	1.1	210	335	570	880	7.6	12.0	20.3	32	275	368
V	2.3	430	700	1150	1725	15.3	25	42	63	238	343

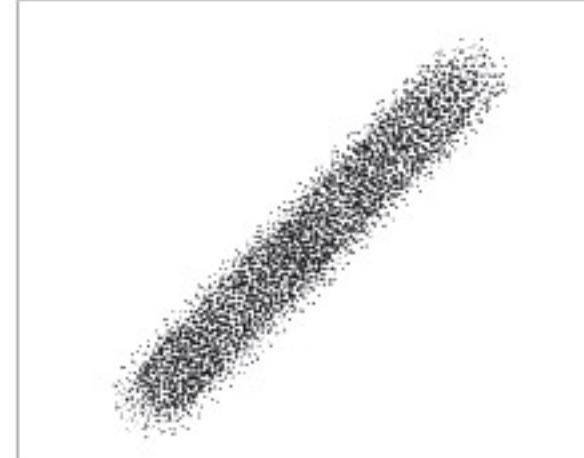
订购信息 Order information

K1 — 1/4 — L — SS 303



V系列窄角噴嘴 V Series Narrow Angle Nozzle

设计特点 Design Feature



- ✓ 系列通用窄角喷嘴的特点是能产生具有高冲力的窄角扇形喷雾。这种喷雾产生的喷雾分布均匀，液滴大小中等。
- ✓ 系列通用窄角喷嘴喷雾形状边界定十分清楚。大而流畅的通道最大程度地减少了阻塞现象。经精细工艺加工而成的导流平面提供了均匀的、高冲击力喷雾形状。

The features of V series narrow angle nozzles of general use is to generate high impact narrow angle fan spray which is evenly distributed with medium drops. The edge definition of V series narrow angle nozzle is very clear.

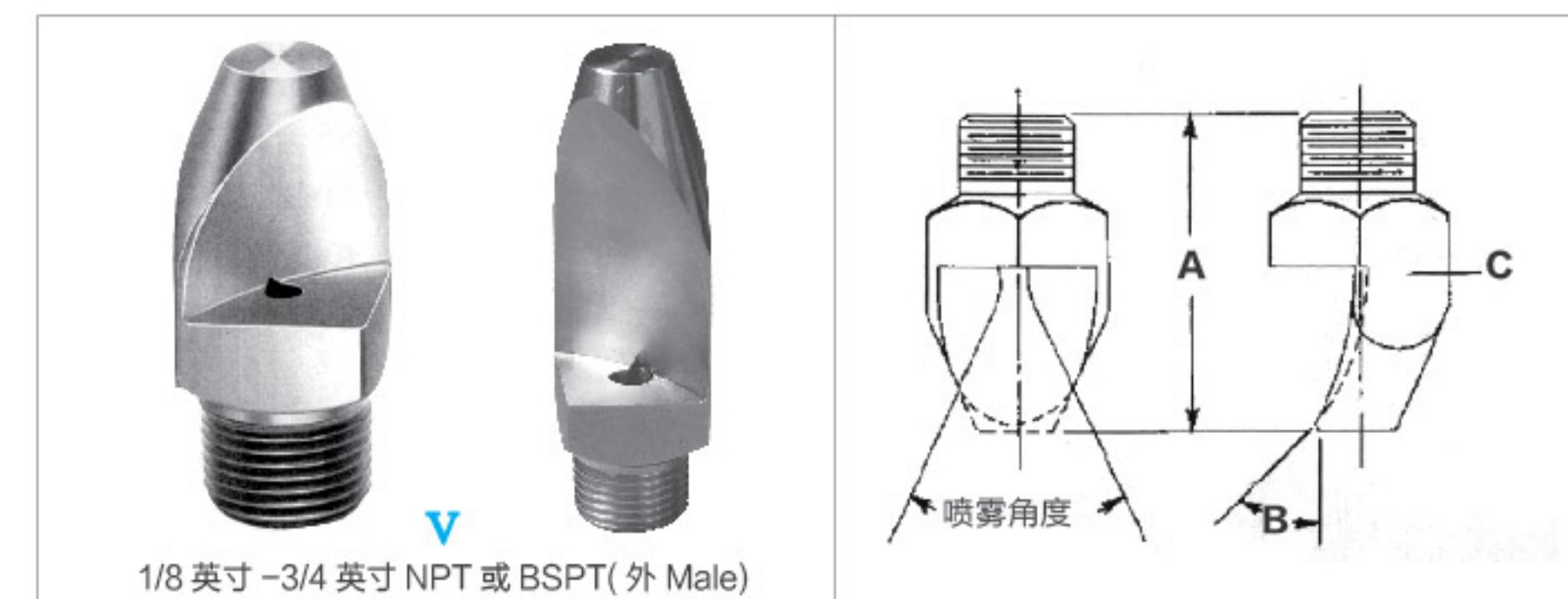
V series narrow angle nozzles of general use is from design of entirety of external piping thread connector. Big and clear channel minimizes the chocking problem. The carefully processed guide plane provides average and high impact spray.

一般应用 Common Application

- 高冲击力洗涤
 - 洗涤碎砾石
 - 水果与蔬菜洗涤
 - 造纸机“稳纸框”喷雾
 - 清除油渍
 - High impact cleaning
 - Washing crushed-gravel
 - Washing fruits and vegetables
 - Spray for paper machine
 - Clean up oil stain

订购信息 Order information

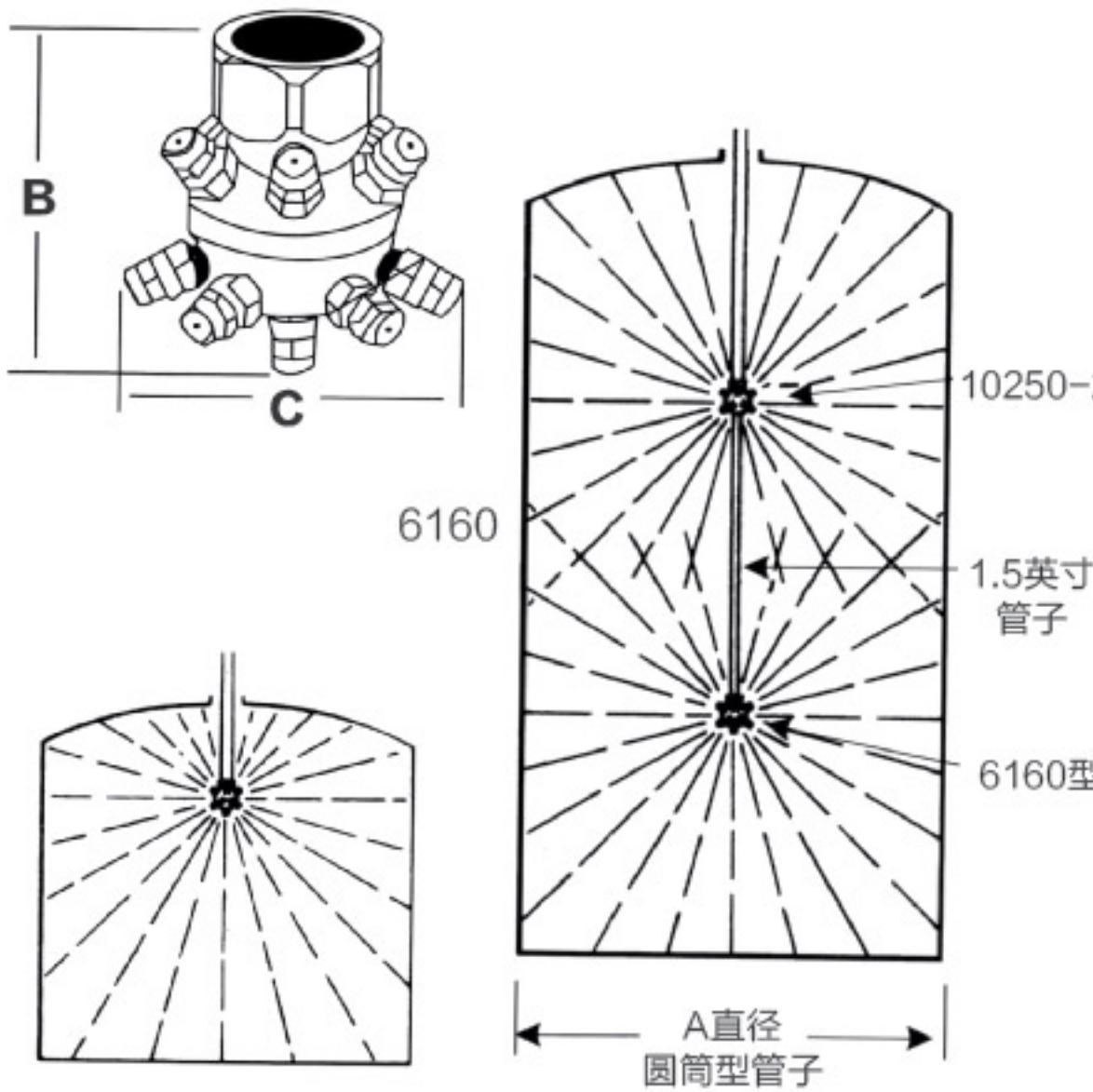
V — 3/8 — SS — 5060
| | | |
喷嘴型号 入口接头 材料代码 流量大小
Nozzle Inlet Material Flow
style connector



喷流角度 Spray angle at 3 bar	喷嘴入口接头 Nozzle Inlet connector NPT or BSPT					流量大小 Flow	等效喷孔孔径 Equival Spray hole Dia(mm)	流量(升/公分) Flow (L/min)								喷流角度 Spray angle			尺寸 Size			
	1/8	1/4	3/8	1/2	3/4			1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	1bar	3bar	7bar	A (mm)	偏转角度 Angle of deflection	方形棒材尺寸 Square bar size(mm)	净重 N.W. (KG)
50°	●					5510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	34°	50°	50°	31	60°	15.9	0.03
	●	●				5025	2.8	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	42°	50°	50°	41.5	42°	91.9	0.09
	●	●				5040	3.6	9.1	12.9	15.8	18.2	20	22	24	29	39°	50°	50°	47	45°	19.1	0.09
		●				5060	4.8	13.7	19.3	24	27	31	33	36	43	42°	50°	50°	55	37°	25.4	0.14
		●				50100	6.0	23	32	39	46	51	56	60	72	43°	50°	50°	72	40°	31.8	0.33
		●				50125	6.7	28	40	49	57	64	70	75	91	38°	50°	50°	72	38°	31.8	0.31
		●				50160	7.5	36	52	63	73	82	89	96	115	44°	50°	50°	72	37°	31.8	0.31
		●				50200	8.3	46	64	79	91	102	112	121	144	46°	50°	50°	72	32°	31.8	0.31
40°	●					4040	3.6	9.1	12.9	15.8	18.2	20	22	24	29	31°	40°	40°	60.5	35°	22.2	0.14
	●					4050	4.0	11.4	16.1	19.7	23	25	28	30	36	31°	40°	40°	63.5	33°	25.4	0.20
	●					4060	4.4	13.7	19.3	24	27	31	33	36	43	32°	40°	40°	72	33°	25.4	0.23
	●					4070	5.2	16.0	23	28	32	36	39	42	50	32°	40°	40°	75.5	29°	25.4	0.26
	●					4080	5.2	18.2	26	32	36	41	45	48	58	32°	40°	40°	77	26°	25.4	0.26
	●					4090	5.6	21	29	36	41	46	50	54	65	34°	40°	40°	77	28°	25.4	0.23
	●					40100	6.0	23	32	39	46	51	56	60	72	35°	40°	40°	86.5	28°	25.4	0.26
35°	●	●				3504	1.2	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	20°	35°	35°	23	40°	11.1	0.01
						3510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	18°	35°	35°	36.5	36°	15.9	0.06
	●					3520	2.8	4.6	6.4	7.9	9.1	10.2	11.2	12.1	14.4	24°	35°	35°	42	30°	19.1	0.06
	●					3525	2.8	5.7	8.1	9.9	11.4	12.7	14.0	15.1	18.0	24°	35°	35°	49	28°	19.1	0.09
	●					3530	3.2	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	26°	35°	35°	52.5	28°	19.1	0.09
	●					3540	3.6	9.1	12.9	15.8	18.2	20	22	24	29	28°	35°	35°	58	26°	22.2	0.11
	●					3550	4.0	11.4	16.1	19.7	23	25	28	30	36	31°	35°	35°	63.5	23°	22.2	0.14
		●				3560	4.4	13.7	19.3	24	27	31	33	36	43	29°	35°	35°	73	27°	25.4	0.23
	●					3580	5.2	18.2	26	34	36	41	45	48	58	26°	35°	35°	81	24°	25.4	0.26
	●					35100	6.0	23	32	39	46	51	56	60	72	26°	35°	35°	89	19°	25.4	0.26
		●				35160	7.5	36	52	63	73	82	89	96	115	26°	35°	35°	114	23°	31.8	0.57
		●				35200	8.3	46	64	79	91	102	112	121	144	25°	35°	35°	122	22°	31.8	0.57
25°						2540	3.6	9.1	12.9	15.8	18.2	20	22	24	29	15°	25°	25°	65	25°	19.1	0.11
15°						1510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2		15°	15°	47.5	22°	15.9	0.06
						1520	2.8	4.6	6.4	7.9	9.1	10.2	11.2	12.1	14.4		15°	15°	54	19°	15.9	0.06
	●					1530	3.2	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	6°	15°	15°	72	25°	19.1	0.11
	●					1540	3.6	9.1	12.9	15.8	18.2	20	22	24	29	8°	15°	15°	92	18°	22.2	0.23
	●					1550	4.4	11.4	16.1	19.7	23	25	28	30	36	9°	15°	15°	90.5	15°	22.2	0.17
		●				1560	5.2	13.7	19.3	24	27	31	33	36	43	10°	15°	15°	125	14°	25.4	0.34
	●					1580	6.0	18.2	26	32	36	41	45	48	58	11°	15°	15°	130	14°	25.4	0.34
		●				15100	7.5	23	32	39	46	51	56	60	72	11°	15°	15°	137	14°	25.4	0.40

瓶罐清洗喷嘴 Tank washing nozzle

设计特点 Design Feature



这两种型号都有 13 个实心锥喷嘴，可以喷射到罐子的所有内表面，压力直到 4 巴。制造材料分黄铜和 316 不锈钢两种。

6160 型喷嘴组件的特点是流量大，可清洗直径达 3.1 米的罐子。利用 1/4 英寸或 3/8 英寸实心锥形喷嘴可以改变流率。6160 型可以通过直径 130 毫米或更大的罐扣。

10250-1 型喷嘴组件可提供特别大的液体流量，用来清洗直径直到 6.7 米的大罐子。利用 1/2 英寸、3/4 英寸或 1 英寸的实心锥喷嘴可以改变流率。10250-1 型喷嘴组件可以通过直径为 230 毫米的罐子开口。对于深罐，10250-2 型是具有 1.5 英寸的端部出口连接，用于连接加长管和 6160 型喷嘴组件。

These two styles both have 13 pcs of full cone nozzle, which can eject to reach all inner surface. Pressure can reach 4 bar. Material is brass and 316 stainless steel. Nozzle 6160 model's characters is large capacity. It can clean the tank which is 3.1 meters. To use full cone nozzles with dimension at 1/4" and 3/8" can change the flow rate. Model 6160 can get through the tank opening with dia. 130mm or more.

Model 10250-1 nozzle components can provide very big liquid capacity to clean the big tank with diameter at 6.7 meters. To use full cone nozzles with dimension at 1/2", 3/4" or 1" can change the flow rate. Model 10250-1 nozzle components can get through the tank opening with dia. 230mm or more. For deep tank, Model 10250-2 with 1.5" end outlet connector, which can be used to connect extension pipe and model 6160 components.

性能数据 Performance Data

管子尺寸 Pipe dimension NPT or BSPT (female)	喷嘴头订购号 Spray tip order No.	不同压力下的流量(升/分)和最大罐子尺寸近似值 The flow rate(L/min)at different pressure and max.tank size approximation						罐子 直径 Tank dia A(m)	尺寸 Dimension		
		1.5bar		2bar		3bar					
		升/分 L/min	罐子直径 Tank dia A(m)	升/分 L/min	罐子直径 Tank dia A(m)	升/分 L/min	罐子直径 Tank dia A(m)				
3 英寸	1025-1-1/2	280	3.0	320	3.5	390	3.5	415	4.0	166 191	
	10250-1-3/4	580	3.5	660	4.0	800	4.5	860	5.0	174 210	
	10250-1-1	1000	4.0	1130	5.0	1370	6.0	1470	6.5	183 229	
1/2 英寸	6160-1/4GG5	35		40		48		52		1.2 114 114	
	6160-1/4GG10	70		80		97		104		2.1 114 114	
	6160-3/8GG22	155		177		215		230		3.0 121 127	

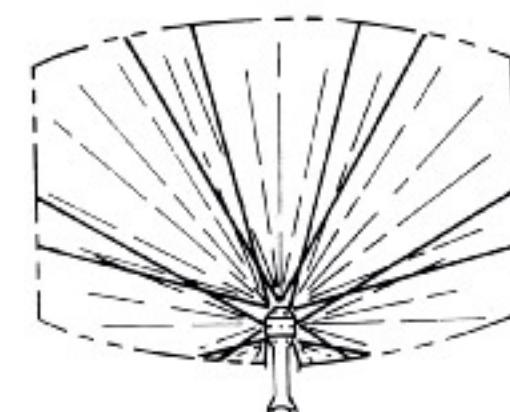


6160型 10250型

设计特点 Design Feature

9800 型清洗喷嘴是特别为有效洗涤小容器而设计的。这种型号的喷嘴可以选择 15 个或 21 个实心锥喷头，可以喷射到全部内表面，压力可达 10 巴。

9800 型的设计能够通过一处标准的小桶桶口。安装在自动小桶洗涤器上。最大的喷头直径为 35 毫米，带有一个 16 毫米的缩颈，清洗时可以排水。不锈钢结构提供了最大的腐蚀性能。



性能数据 Performance Data

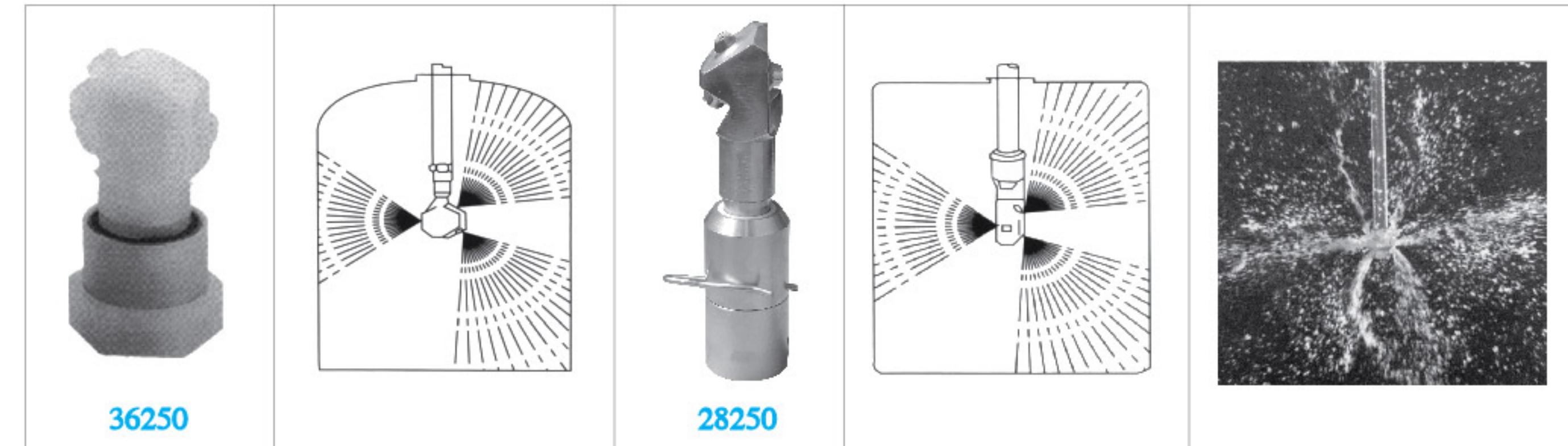
喷嘴订购号 Nozzle order No.	流量(升/分) Flow rate(L/min)							
	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar
9800-15-SS	-	-	-	20	23	25	26	31
9800-21-SS	-	-	-	28	31	34	36	43

一般应用 Common Application

- 洗浆箱消泡
- Defoaming
- 浆池清洗
- Cleaning

瓶罐清洗喷嘴 Tank washing nozzle

设计特点 Design Feature



36250 型和紧凑旋转清洗喷嘴都具有以下特点:

三个高压扇形喷雾嘴安装在旋转喷头上，清洗液体的流动驱动旋转喷头转动。这些喷头经过精确定位，对于所有内部表面都完全在喷洗轨道覆盖范围之内。因此，两种型号的喷嘴都可对小瓶罐提供有效的内部清洗。36250 型喷嘴主体用抗强腐蚀工程塑料制造，轴承和轴承卡簧是用硬化不锈钢制造；以达到最大的磨损寿命，实现高压力清洗，压力可达 5 巴。28250 紧凑型喷嘴可通过直径 42 毫米的开口，较低流量扇形喷雾喷头对于清洗小容器（如筒）效果极佳。喷嘴主体是用 216 不锈钢制造，以达到最大的磨损寿命，实现高压力清洗，压力可达 7 巴。

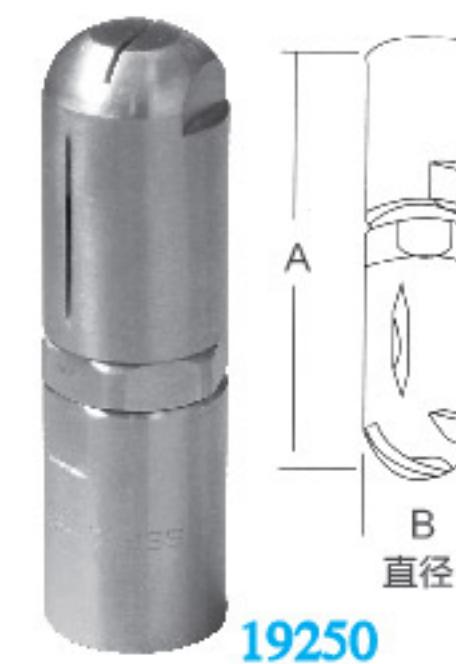
36250 和 28250 compact type rotating cleaning nozzle has features as follows:

3 high pressure fan nozzle are installed on Rotating spray tips, the flow of cleaning liquid makes the spray tip revolve. These tips are precisely positioned, all are in the coverage of spraying orbit. Both styles of nozzle can provide effective cleaning for small bottles. 36250 nozzle body made of strong corrosion resistance plastic, bearing and bearing snap spring are made from hardened stainless steel, in order to reach max.wear life and high pressure cleaning. Pressure can provide reach 5 bar. 28250 compact nozzle can provide effective cleaning for small vessel through fan spray tip which is 42mm dia with low flow. Nozzle body is made from 316 stainless steel, in order to reach max.wear life and high pressure cleaning. Pressure can reach 5 bar.

性能数据 Performance Data

喷嘴订购号 Nozzle order No.	流量(升/分) Flow rate(L/min)					
	1bar	1.5bar	2bar	2.5bar	3bar	4bar
36250-STCN16-PP	40	59	68	76	84	94
36250-STCN18-PP	101	121	140	159	179	201
28250-STCN27-316SS	22	27	32	38	43	49
28250-STCN29-316SS	40	48	55	62	70	79

喷嘴号 Nozzle No.	管接头 NPT 或 BSPT(内) Pipe connector NPT or BSPT(female)	A (mm)	B (mm)	C (mm)	六角形 Sexangle (mm)	净重 N.W (kg)
36250-	3/4 英寸	145	115	85	75	0.55
28250-	3/4 英寸	122	100	56	44.5	0.68



19250

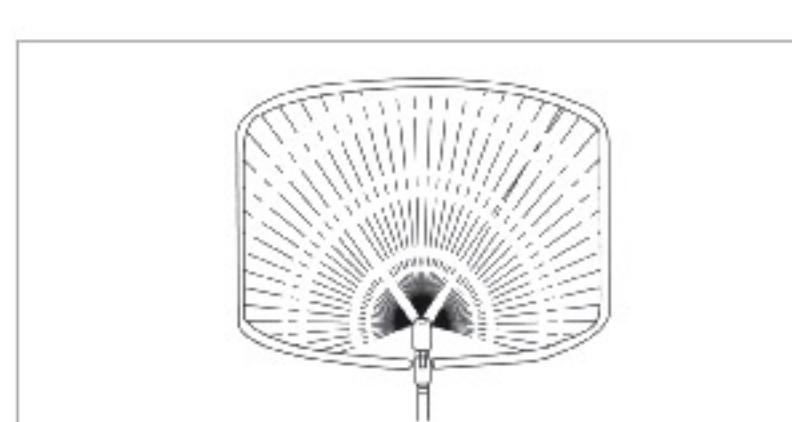
设计特点 Design Feature

19250 紧凑型喷嘴可通过直径 25 毫米的孔、两个扇形喷头的特殊位置使其产生自转动力，提供侧面喷射。在 19250 型上加了一个顶部开口，提供完整球面的喷射覆盖。喷嘴材料是 316 不锈钢，轴承和轴承圈是硬化不锈钢制造的，以达到最大的磨损寿命。最大操作压力为 13 巴，耐热最高温 180°C。

19250 compact nozzle can generate Automatic rotating force and provide side face spray through dia.25mm hole and the special position of the opening of two fan shape spray tips. The material of nozzle is 316 stainless steel. Bearing and bearing snap spring are made from hardened stainless steel in order to reach max.wear life. The max operating pressure is 13 bar and max heat-resistance temperature is 180°C.

性能数据 Performance Data

喷嘴订购号 Nozzle order No.	流量(升/分) Flow rate(L/min)							
	1.5bar	3bar	4bar	5bar	6bar	8bar	10bar	12bar
19250-STCN5-316SS	14.0	19.7	23	25	28	32	36	39
19250-STCN6-316SS	15.9	22	26	29	32	37	41	45
19250-STCN7-316SS	19.5	28	32	36	39	45	50	55
19250-STCN8-316SS	22	32	36	41	45	52	58	63
19250-STCN9-316SS	28	39	46	51	56	64	72	79



订购信息 Order information

以上四种型号的旋转清洗瓶罐喷嘴均可采用优质黄铜制造材料。如有意订购，请您在订单上特别注明。
The above 4 kinds of rotary bottle washing nozzles can be made from high quality brass if you want to order, please make remark specially.

瓶罐清洗喷嘴 Tank washing nozzle

设计特点 Design Feature

27500 型 TEFLON 聚四氟乙烯旋转罐子清洗喷嘴在低压清洗 / 洗涤应用方面提供了新的性能范围和多样性。喷嘴由美国食品药品管理局批准的材料构成, 这种材料具有抗腐蚀和抗化学的作用。双体喷嘴的特点是由喷射溶液流的压力驱动旋转。没有外部的马达和齿轮。紧凑型喷嘴产生有效的液柱流喷射, 可以在 0.7-3 巴的压力下工作。有五种喷嘴尺寸, 带有 NPT 和 BSPT 螺纹入口, 可接受 1/2 英寸, 3/4 英寸, 1 英寸, 2 英寸和 3 英寸的供液管。喷嘴的多孔配置可从 180° 到 360° 以 5 种喷射圆形中的任何一种提供特别的覆盖范围 (参看附图)。流率范围从 15 升 / 分到 1480 升 / 分。若需全面的有关流率的资料, 请参考 24500-1/2M, 27500-3/4M, 27500-1M, 27500-2M 和 27500-3M 数据单。

Model 27500 rotating tank washing nozzle provide new performance and diversity on low pressure cleaning. Nozzle is made of the material which approved by U.S.A TFDA. This material has strong corrosion resistance and chemical Resistance. Two-body nozzle's character is to drive rotating by the pressure of spraying fluid, without external motor and gear. Compact type nozzle produce effective liquid column injection, which can work at 0.7-3bar pressure. There are five nozzle dimensions, with NPT or BSPT thread inlet. 1/2", 3/4", 1", 2", 3" feed pipe are acceptable. Nozzle's porous configuration range from 180° to 360°, to provide special coverage by anyone among 5 round spray. Flow rata range from 15L/min to 1480L/min.

性能数据 Performance Data

喷嘴订购序号 Nozz order No.	流量(升/分)Flow rate(L/min)				
	0.7bar	1.5bar	2bar	3bar	3.5bar
27500(A 至 E) 1/2-8-TEF	15.3	22	26	32	34
27500(A 至 E) 3/4-18-TEF	34	50	58	71	77
27500(A 至 E) 3/4-32-TEF	61	89	103	126	136
27500(A 至 E) 3/4-46-TEF	88	130	148	182	196
27500(A 至 E) 1-50-TEF	98	140	161	197	215
27500(A 至 E) 1-70-TEF	133	195	225	275	300
27500(A 至 E) 1-90-TEF	172	250	290	355	385
27500(A 至 E) 2-100-TEF	191	280	320	395	425
27500(A 至 E) 2-125-TEF	240	350	400	495	530
27500(A 至 E) 2-150-TEF	285	420	480	590	640
27500(A 至 E) 2-175-TEF	335	490	560	690	745
27500(A 至 E) 2-200-TEF	380	560	645	790	850
27500(A 至 E) 3-250-TEF	475	700	805	985	1065
27500(A 至 E) 3-300-TEF	570	840	965	1180	1280
27500(A 至 E) 3-350-TEF	665	975	1130	1380	1490

建议最佳工作压力范围为 1.5 巴至 3 巴
Suggestion: The best working pressure range is 1.5bar to 3 bar.

设计特点 Design Feature

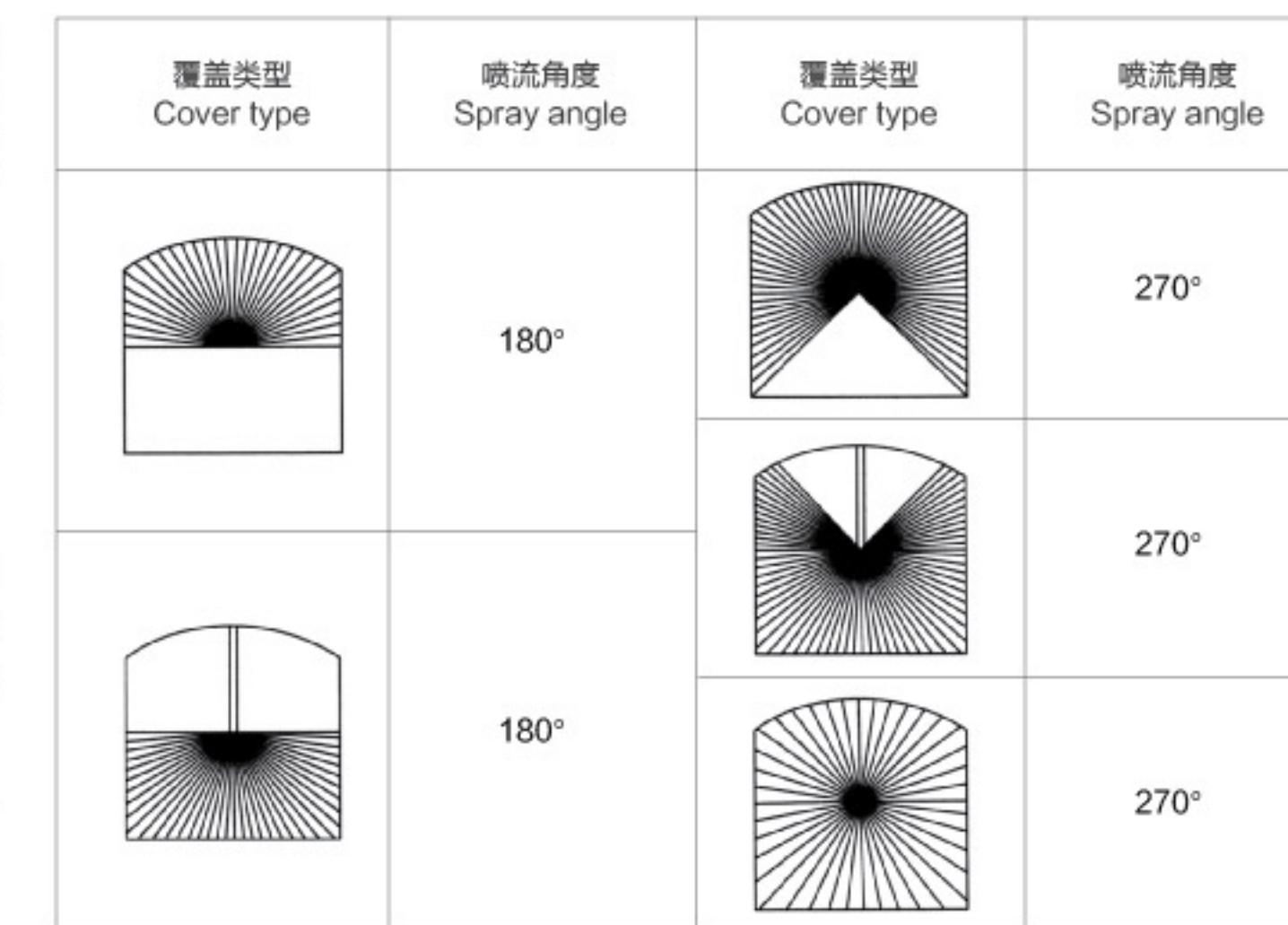
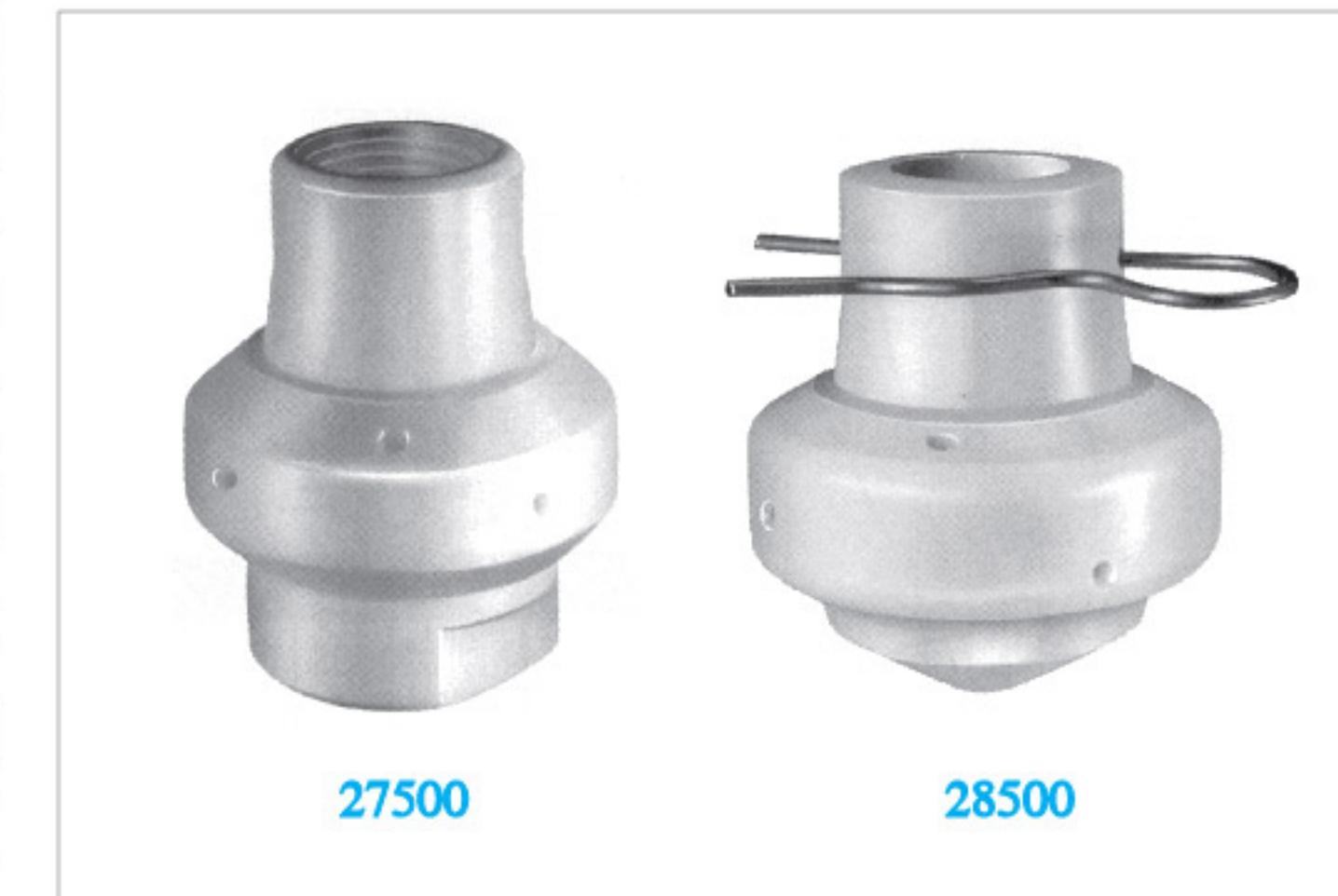
新推出的 28500 型罐子洗涤喷嘴是为卫生方面的应用而设计制造的, 喷嘴是用不锈钢销钉连接安装在入口管上。用美国食品药品管理局批准 TEFLON 聚四氟乙烯材料制造。喷嘴底部的倾斜形状有助于垂直向下位置时的自排。

28500 型喷嘴可接纳 3/4 英寸, 1 英寸和 1-1/2 英寸尺寸的罐子。3/4 英寸尺寸的流率为 87 升 / 分, 1 英寸的流率是 125 升 / 分, 而 1-1/2 英寸是 201 升 / 分。喷嘴对于被清洗的容器内表面提供了完整的洗净盖范围, 请函索 28500 数据单。

New model 28500 tank washing nozzle is designed for sanitation application. Nozzle is installed on inlet pipe through stainless steel dowel. Material is TEFLON approved by U.S.A TFDA. The tilted shape of nozzle helps automatic at vertical position.

Model 28500 can be used for 3/4", 1" and 1-1/2" tank .Flow rate is 87L/min for 3/4" , 125L/min for 1" and 201L/min for 1-1/2" .

Nozzle provide complete cleaning for the inner surface of tank.



高压针形喷嘴 High Pressure Needle Nozzle



性能数据 Performance Data

喷嘴尺寸号 Nozzle dimension No.	等效喷孔孔径 Equivalent Spray orifice Dia.(mm)	流量(升/分) flow rate (L/min)								
		3	4	5	7	15	30	40	50	60
19124-14-316ss	0.36	0.12	0.13	0.15	0.17	0.25	0.37	0.42	0.47	0.51
19124-28-316ss	0.71	0.42	0.48	0.54	0.63	0.93	1.3	1.5	1.7	1.9
19124-33-316ss	0.84	0.62	0.73	0.81	0.95	1.4	2.0	2.4	2.7	2.9
19124-40-316ss	1.02	0.89	1.0	1.1	1.4	2.0	2.8	3.2	3.6	3.9
19124-55-316ss	1.40	1.6	1.9	2.1	2.4	3.6	5.0	5.8	6.5	7.0
19124-70-316ss	1.78	2.7	3.1	3.5	4.2	6.1	8.8	10	11	13
19124-94-316ss	2.39	4.5	5.2	5.9	7.0	10	15	18	20	22
19124-125-316ss	3.18	7.3	8.5	9.6	11	17	25	30	33	37

一般应用 Common Application

- 网布长网高压摆动清洗
- fourdriner wire high pressure swing cleaning
- 压榨部毛毡高压摆动清洗
- press section felt high pressure swing cleaning
- 盲孔辊清洗
- blind press cleaning
- 沟纹辊清洗
- grooved roll cleaning

高压针形喷嘴 high pressure needle nozzle

设计特点 Design Feature

PT型喷嘴性能参数(BSPT 1/4螺纹型) PT type nozzle performance data (BSPT1/4 with thread)

喷嘴型号 nozzle style		喷孔孔径 Spray orifice Dia(mm)	流量(升/公分) Flow rate (L/min)											
标准型 standard	加长型 King-Size		3bar	5bar	7bar	10bar	15bar	20bar	30bar	40bar	50bar	60bar	70bar	80bar
B1/4PT-SS	B1/4PTL-SS	0.8	0.54	0.70	0.83	1.00	1.22	1.41	1.73	2.00	2.23	2.45	2.64	2.83
		0.9	0.69	0.89	1.05	1.26	1.55	1.79	2.19	2.53	2.83	2.10	3.35	3.58
		1.0	0.85	1.10	1.30	1.56	1.91	2.21	2.70	3.12	3.49	3.83	4.13	4.42
		1.2	1.23	1.59	1.88	2.25	2.75	3.18	3.90	4.50	5.03	5.51	5.95	6.36
		1.5	1.92	2.48	2.94	3.51	4.30	4.97	6.09	7.03	7.86	8.61	9.30	9.95
		1.8	2.77	3.58	4.23	5.06	6.20	7.16	8.77	10.1	11.3	12.4	13.4	14.3
		2.0	3.42	4.42	5.23	6.25	7.66	8.84	10.8	12.5	13.9	15.3	16.4	17.6

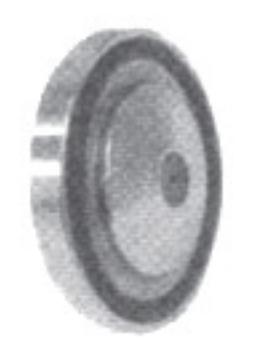
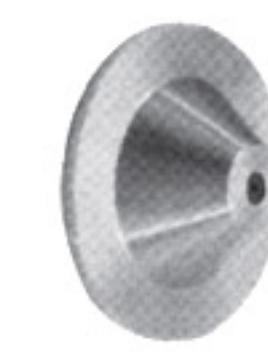
48460 型红宝石嵌体 Model 48460 Ruby Inlay

喷嘴型号 Nozzle Style	英寸 Inch	喷嘴型号 Nozzle Style	英寸 Inch
48460-15-316RBY	0.015"[0.38mm]	48460-35-316RBY	0.035"[0.89mm]
48460-20-316RBY	0.020"[0.51mm]	48460-40-316RBY	0.040"[1.02mm]
48460-25-316RBY	0.025"[0.64mm]	48460-45-316RBY	0.045"[1.14mm]
48460-30-316RBY	0.030"[0.76mm]		

订购信息 Order information

I、不锈钢系列 Stainless Steel Series		
1、M19124——40——316SS(M14×1 螺纹接口 Thread connector)	2、B19124——40——316SS(BSP1/4 螺纹接口 Thread connector)	
型号 Model	孔径系列 Jet orifice dia.	材质 Material
3、19124——40——316SS(9/16—24UNF—2A 螺纹接口 Thread connector)	4、B1/4PT——SS1.0(BSPT1/4 螺纹接口 Thread connector)	
型号 Model	孔径系列 Jet orifice dia.	
5、B1/4PTL——SS1.0(BSPT1/4 螺纹接口 Thread connector)		
型号 Model	孔径系列 Jet orifice dia.	
II、陶瓷嵌体系列 Ceramic Inlay Series		
6、B1/4PT——SSCER——1.0(BSPT1/4 螺纹接口 Thread connector)	7、B1/4PTL——SSCER——1.0(BSPT1/4 螺纹接口 Thread connector)	
标准型 Standard	陶瓷嵌体不锈钢 Ceramic inlay stainless steel	孔径系列 Jet orifice dia.
8、B1/4PT——SSRBY——1.0(BSPT1/4 螺纹接口 Thread connector)	9、B1/4PTL——SSRBY——1.0(BSPT1/4 螺纹接口 Thread connector)	
标准型 Standard	红宝石嵌体不锈钢主体 Ruby inlay stainless steel body	孔径系列 Jet orifice dia.
10、48460——20——316RBY(9/16---24UNF—2A 螺纹接口 Thread connector)	加长型 King size	红宝石嵌体不锈钢主体 Ruby inlay stainless steel body
型号 Model	孔径系列 Jet orifice dia.	316 不锈钢主体红宝石嵌体 316 stainless steel Body with ruby inlay

薄片高压针形喷嘴 Flake High Pressure Needle Nozzle

			
27149型 垫片喷嘴分离型 Gasket separate with nozzle	64160型 垫片喷嘴一体型 Gasket and nozzle in one	50709型 垫片喷嘴分离型 Gasket separate with nozzle	48546/39350型 垫片喷嘴分离型 Gasket separate with nozzle
27149 型 普通不锈钢系列 Common stainless steel series	39350 型 不锈钢嵌体陶瓷系列 Stainless steel ceramic inlay series	48546 型 不锈钢嵌体红宝石系列 Stainless steel ruby inlay series	50709 型 不锈钢嵌体红宝石系列 Stainless steel ruby inlay series

性能数据 Performance Data

27149型喷嘴 Model 27149 Performance data

喷嘴尺寸号 Nozzle dimension No.	喷孔孔径 Spray orifice Dia (mm)	流量(升/分) Flow rate(L/min)					喷射角度 Spray angle
		1.5bar	3bar	7bar	20bar	55bar	
27149-00004	0.3	0.11	0.16	0.24	0.41	0.68	0°
27149-00007	0.4	0.20	0.28	0.42	0.71	1.2	0°
27149-00009	0.5	0.25	0.36	0.54	0.92	1.5	0°
27149-0001	0.6	0.36	0.51	0.78	1.3	2.2	0°
27149-0002	1.0	0.64	0.91	1.4	2.3	3.9	0°
27149-0003	1.2	0.92	1.3	2.0	3.4	5.6	0°
27149-0004	1.5	1.2	1.7	2.6	4.4	7.3	0°
27149-0008	1.9	2.2	3.1	4.8	8.1	13.4	0°
27149-0012	2.4	3.5	4.9	7.5	12.6	21	0°
27149-0020	3.2	5.5	7.8	11.9	20	33	0°

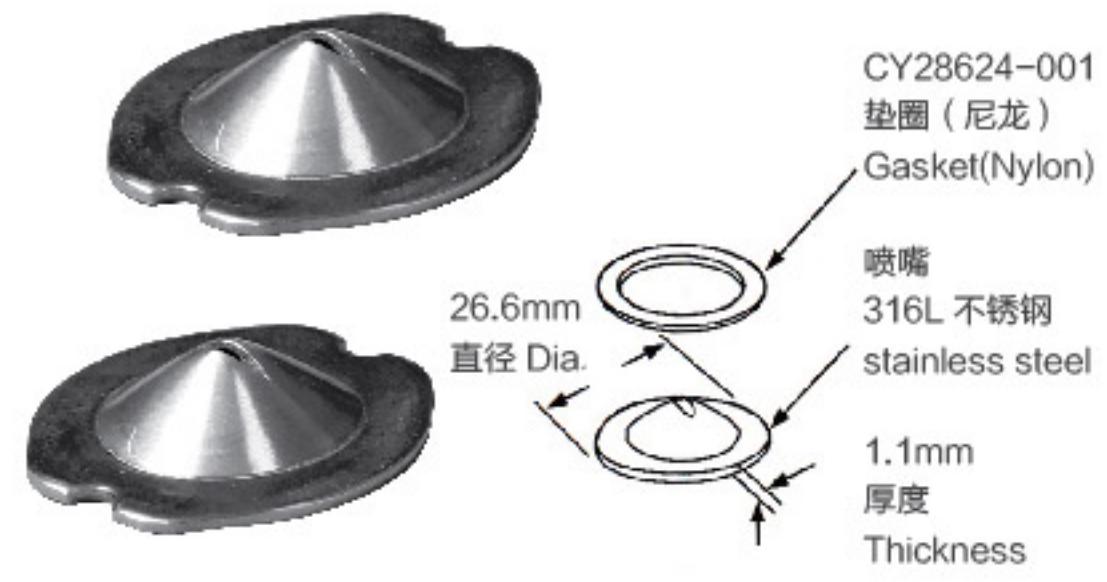
39350型陶瓷嵌体喷嘴 Model 39350 Performance data

喷嘴尺寸号 Nozzle dimension No.	喷孔孔径 Spray orifice Dia (mm)	流量(升/分) Flow rate(L/min)					喷射角度 Spray angle
		1.5bar	3bar	7bar	20bar	55bar	
39350-00005	0.5	0.14	0.20	0.31	0.52	0.86	0°
39350-00008	0.64	0.22	0.31	0.45	0.81	1.34	0°
39350-0001	0.76	0.32	0.45	0.69	1.16	1.93	0°
39350-00015	0.9	0.43	0.61	0.94	1.58	2.62	0°
39350-0002	1.0	0.56	0.80	1.22	2.06	3.42	0°
39350-00025	1.1	0.72	1.01	1.54	2.81	4.33	0°
39350-0003	1.3	0.88	1.25	1.91	3.22	5.34	0°
39350-00045	1.5	1.27	1.80	2.75	4.64	7.7	0°

48456红宝石嵌体型 Model 48456 Performance data

喷嘴型号 Nozzle Style	英寸 Inch
48456-00003-316RBY	0.015"[0.38mm]
48456-00005-316RBY	0.020"[0.51mm]
48456-00008-316RBY	0.025"[0.64mm]
48456-00011-316RBY	0.030"[0.76mm]
48456-00015-316RBY	0.035"[0.89mm]
48456-00020-316RBY	

薄片高压扇形喷嘴 Flake High Pressure Fan Nozzle



CCTC 型喷嘴为带刷喷淋杆专门设计的低压扇形喷嘴，喷角度为 0°、30°、60°、75° 四种，喷嘴在安装时需配套 CY28634-001 垫片。
Model CCTC nozzle is low pressure fan spray nozzle designed for brush spray rod. Spray angle is 0°、30°、60°、75° four types CY28624-001 gasket is needed when installing the nozzle.

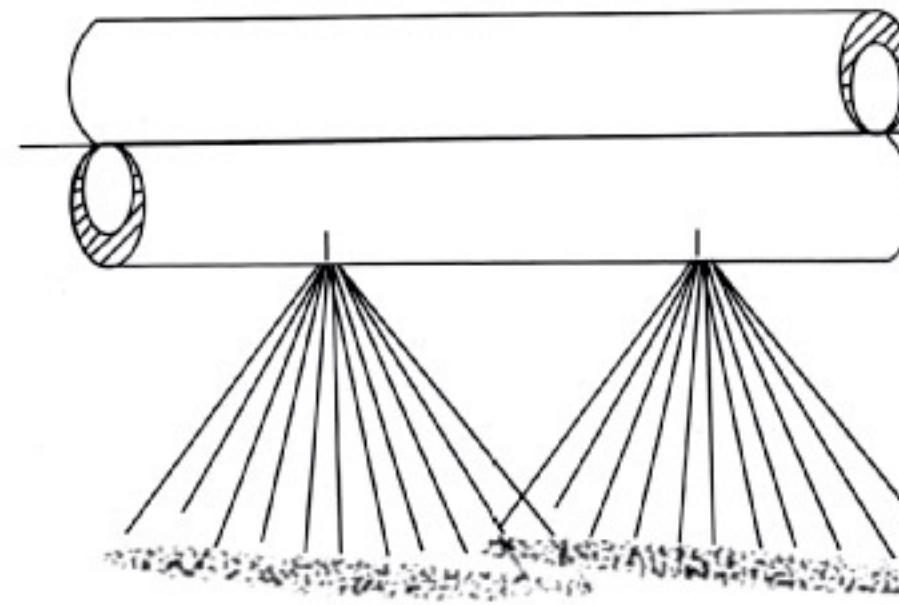
订购信息 Order information

CCTC	CY6008	316L
型号 Model	角度和流量代码 Angle and flow code	材质 Material

喷嘴尺寸号 Nozzle dimension No.	喷孔孔径 Spray orifice Dia.(mm)	流量 (升/分) flow rate (L/min)					喷射角度 Spray angle
		1.5 bar	3 bar	7 bar	20 bar	55 bar	
CCTC-0002	1.0	0.64	0.91	1.4	2.3	3.9	0°
CCTC-0003	1.2	0.92	1.3	2.0	3.4	5.6	
CCTC-0004	1.5	1.2	1.7	2.6	4.4	7.3	
CCTC-0006	1.8	1.7	2.4	3.7	6.2	10.3	
CCTC-0008	2.0	2.2	3.1	4.8	8.1	13.4	
CCTC-0010	2.2	2.8	4.0	6.2	10.4	17.2	
CCTC-3012	2.5	3.5	4.9	7.5	12.6	21	
CCTC-3016	2.8	4.5	6.3	9.7	16.4	27	
CCTC-3020	3.0	5.5	7.8	11.9	20	33	
CCTC-3025	3.5	7.2	10.1	15.5	26	43	
CCTC-3031	4.0	8.8	12.4	18.9	32	53	
CCTC-3040	4.5	11.3	15.9	24	41	68	
CCTC-3049	5.0	13.7	19.4	30	50	83	
CCTC-3078	6.0	22	31	48	81	135	30°
CCTC-3099	7.0	29	39	60	101	167	
CCTC-30124	8.0	35	49	75	126	210	
CCTC-6002	1.0	0.64	0.91	1.4	2.3	3.9	
CCTC-6003	1.2	0.92	1.3	2.0	3.4	5.6	
CCTC-6004	1.5	1.2	1.7	2.6	4.4	7.3	
CCTC-6006	1.8	1.7	2.4	3.7	6.2	10.3	
CCTC-6008	2.0	2.2	3.1	4.8	8.1	13.4	
CCTC-6010	2.2	2.8	4.0	6.2	10.4	17.2	
CCTC-6012	2.5	3.5	4.9	7.5	12.6	21	
CCTC-6016	2.8	4.5	6.3	9.7	16.4	27	
CCTC-6020	3.0	5.5	7.8	11.9	20	33	
CCTC-6025	3.5	7.2	10.1	15.5	26	43	
CCTC-6031	4.0	8.8	12.4	18.9	32	53	
CCTC-3040	4.5	11.3	15.9	24	41	68	60°
CCTC-6049	5.0	13.7	19.4	30	50	83	
CCTC-6078	6.0	22	31	47	80	133	
CCTC-6099	7.0	28	39	60	101	167	
CCTC-60124	8.0	35	49	75	126	210	
CCTC-7502	1.0	0.64	0.91	1.4	2.3	3.9	
CCTC-7503	1.2	0.92	1.3	2.0	3.4	5.6	
CCTC-7504	1.5	1.2	1.7	2.6	4.4	7.3	
CCTC-7506	1.8	1.7	2.4	3.7	6.2	10.3	
CCTC-7508	2.0	2.2	3.1	4.8	8.1	13.4	
CCTC-7510	2.2	2.8	4.0	6.2	10.4	17.2	
CCTC-7512	2.5	3.5	4.9	7.5	12.6	21	
CCTC-7516	2.8	4.5	6.3	9.7	16.4	27	
CCTC-7520	3.0	5.5	7.8	11.9	20	33	
CCTC-7525	3.5	7.2	10.1	15.5	26	43	
CCTC-7531	4.0	8.8	12.4	18.9	32	53	
CCTC-7541	4.5	11.3	15.9	24	41	68	75°
CCTC-7549	5.0	13.7	19.4	30	50	83	
CCTC-7578	6.0	22	31	48	81	133	
CCTC-7599	7.0	28	39	60	101	167	
CCTC-75124	8.0	35	49	75	126	210	

薄片低压扇形喷嘴 Flake Low Pressure Fan Nozzle

设计特点 Design Feature



CTC扇形喷嘴 CTC Fan nozzle

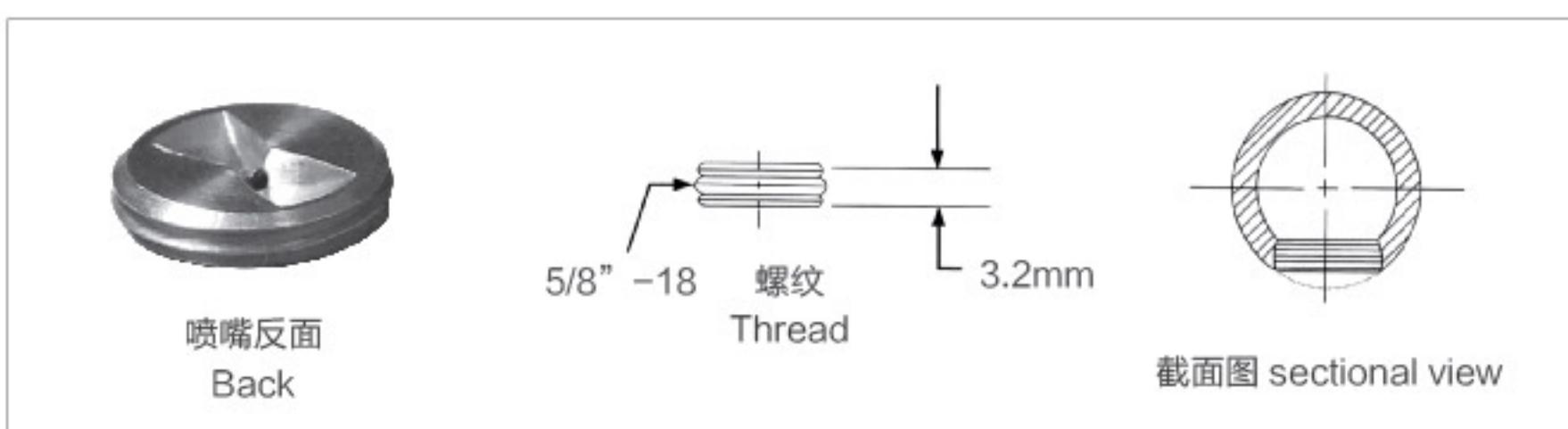
性能数据 Performance Data

喷嘴尺寸号 Nozzle dimension No.	等效孔径 Equivalent Spray orifice Dia.(mm)	材料 Material		流量 (升/分) flow rate (L/min)								3公斤压力下喷射角度 Spray angle at 3 bar
		+SS	316SS	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	
CTC-2510	●	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	25°	25°	
CTC-3580	6.4	●	18.2	26	32	36	41	45	48	58	35°	
CTC-4040	●	9.1	12.9	15.8	18.2	20	22	24	29	34	40°	
CTC-4047	4.7	●	10.7	15.1	18.6	21	24	26	28	34	43°	
CTC-4067	●	15.3	22	26	31	34	37	40	48	50	50°	
CTC-4070	5.5	●	16.0	23	28	32	36	39	42	51	55°	
CTC-4085	6.4	●	19.4	27	34	39	43	47	51	61	58°	
CTC-4308	1.9	●	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	60°	
CTC-4313	2.4	●	3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	65°	
CTC-50033	1.2	●	0.75	1.1	1.3	1.5	1.7	1.8	2.0	2.4	68°	
CTC-5024	3.2	●	5.5	7.7	9.5	10.9	12.2	13.4	14.5	17.3	70°	
CTC-5033	4.0	●	7.5	10.6	13.0	15.0	16.8	18.4	19.9	24	70°	
CTC-5037	●	8.4	11.9	14.6	16.9	18.9	21	22	27	33	70°	
CTC-5504	1.6	●	1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	70°	
CTC-5508	1.9	●	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	70°	
CTC-5824	3.2	●	5.5	7.7	9.5	10.9	12.2	13.4	14.5	17.3	70°	
CTC-5833	4.0	●	7.5	10.6	13.0	15.0	16.8	18.4	19.9	24	70°	
CTC-60054	1.6	●	1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	70°	
CTC-65054	1.6	●	1.2	1.7	2.1</td							

薄片低压扇形喷嘴 Flake Low Pressure Fan Nozzle

喷嘴尺寸号 Nozzle dimension No.	等效孔径 Equivalent orifice Dia(mm)	流量(升/分) flow rate (L/min)								3公斤压力下喷射角度 Spray angle at 3 bar
		10bar	20bar	30bar	40bar	60bar	80bar	100bar	150bar	
CTY-35084	0.076	0.42	0.59	0.73	0.84	1.0	1.2	1.3	1.6	35°
CTY-3524	0.125	1.2	1.7	2.0	2.45	2.9	3.3	3.7	4.6	35°
CTY-3572	0.218	3.5	5.0	6.2	7.2	8.8	10.1	11.3	14.0	35°
CTY-4513	0.093	0.66	0.93	1.1	1.3	1.6	1.8	2.0	2.5	43°
CTY-3513	0.093	0.65	0.93	1.1	1.3	1.6	1.8	2.0	2.5	50°
CTY-3524	0.125	1.2	1.7	2.0	2.4	2.9	3.3	3.7	4.6	50°
CTY-55054	0.062	0.27	0.39	0.47	0.54	0.66	0.76	0.84	1.0	55°
CTY-6513	0.093	0.66	0.93	1.1	1.3	1.6	1.8	2.0	2.5	65°
CTY-6824	0.125	1.2	1.7	2.0	2.4	2.9	3.3	3.7	4.6	68°
CTY-70054	0.062	0.27	0.38	0.47	0.54	0.66	0.76	0.84	1.0	70°
CTY-8013	0.093	0.65	0.93	1.1	1.3	1.6	1.8	2.0	2.5	80°
CTY-8024	0.125	1.2	1.7	2.0	2.4	2.9	3.3	3.7	4.6	80°
CTY-8054	0.187	2.7	3.8	4.7	5.4	6.6	7.6	8.5	10.5	80°
CTY-90054	0.062	0.27	0.39	0.47	0.54	0.66	0.76	0.84	1.0	90°
CTY-9013	0.093	0.66	0.93	1.1	1.3	1.6	1.8	2.0	2.5	90°

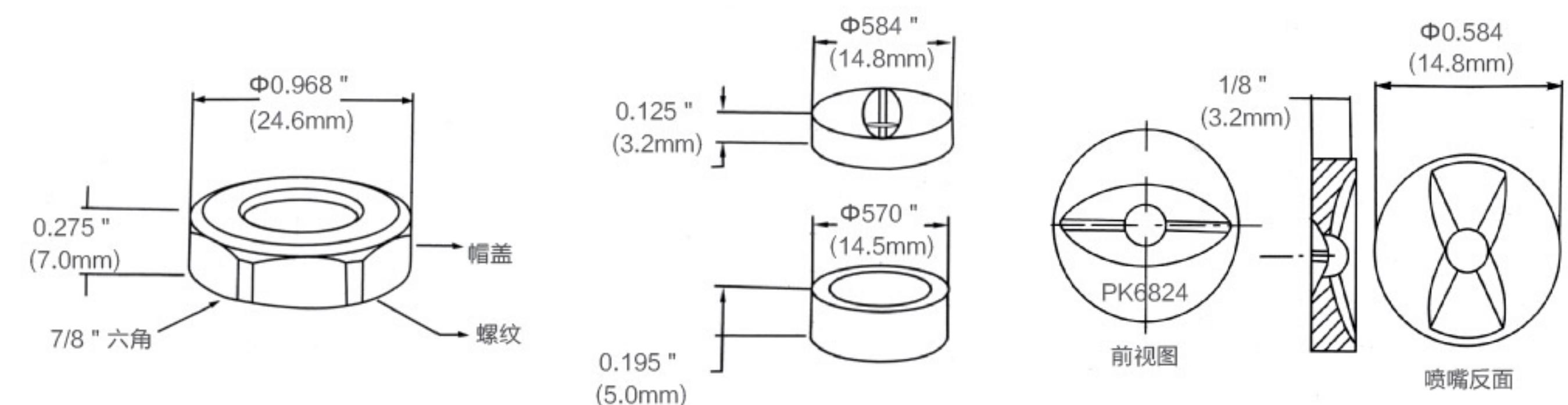
外形尺寸及安装方式图 Dimension and installation figure



一般应用 Common Application

- 低压扇形清洗
- 刮刀式吸水和润滑
- Washing under low pressure
- Scraper type water sucking and lubrication

外形尺寸与安装示意图 Dimension and installation drawing



订购信息 Order information

材质 Material:	303SS	CTC—6513—SS	材质 Material:	303SS	CTY—6513—SS
喷嘴型号 Nozzle Model	316SS	序列号 Series No.	喷嘴型号 Nozzle Model	316SS	序列号 Series No.
喷嘴型号 Nozzle Model	喷嘴代码 Nozzle code	材质 Material	喷嘴代码 Nozzle code	材质 Material	喷嘴代码 Nozzle code

拼合孔连接器 Split hole connector

7521	8370	15475	12521
压力 Pressure: 17bar 流量 Flow rate: 11L/min 出口接头 Outlet connector: 1/8" or 1/4" NPT or BSPT(female)	压力 Pressure: 9bar 流量 Flow rate: 45L/min 出口接头 Outlet connector: 1/4" or 3/8" NPT or BSPT(female)	压力 Pressure: 9bar 流量 Flow rate: 136L/min 出口接头 Outlet connector: 1/2" ,3/4" ,1" NPT or BSPT(female)	压力 Pressure: 70bar 流量 Flow rate: 19L/min 出口接头 Outlet connector: 1/8" ,1/4" NPT or BSPT(female)

设计特点 Design Feature

拼合孔连接器为管道系统中安装喷嘴和其他配件提供了快速而经济的方法。只要锁一个规定直径的孔，沿着管道滑动拼合孔连接器，并旋紧固螺栓，在适当位置锁住。这种独特的设计由于消除了切割，车螺纹和钎焊，降低了成本。它也可用来在螺纹剥落的歧管中安装喷嘴。连接器主体有棒材加工而成，出口接头尺寸可以选择。如果在连接器就位以后必须卸装喷嘴的话，则这种设计防止了连接器在法兰盘内旋转。这种连接器的入口可高伸入管道内，不使阻塞减至最小程度。丁晴橡胶紧固垫片能耐大多数物质腐蚀，提供了防泄漏密封。

Split hole connector provide quick and economic way for installing nozzle or other components in pipe system. To lock only one hole with specified dia, and slide the connector, tighten bolt and lock at appropriate position. This unique design deserts cutting, lathing thread and brazing in order to save cost. It also can be used to install nozzle on thread spalling of branch pipe. The body of connector is made of bar material. The inlet connector have several dimensions for choices. To dismantle the connector after it is in position, this design can prevent it from rotating in flange plate. The inlet of this connector can stretch to the inside of pipe to prevent sediments from blocking. Nitrile rubber gasket is corrosion resistance, which is perfect leakage protection seal.

性能数据 Performance Data

一般应用 Common Application

拼合孔连接器 Split hole connector No.	夹管 Pipe		常用材料 Common material	最大压力 Max Pressure Bar	最大流率 Max Flow L/min
	管道尺寸 Pipe size 英寸/inch	管道外径 Pipe outer Dia (mm)			
7521	1/2	20-22	1/8 1/4		
	3/4	25-27	1/8 1/4		
	1	32-35	1/8 1/4		
12521	1/2	20-22	1/8 1/4		
	3/4	25-27	1/8 1/4		
	1	32-35	1/8 1/4		
8370	1-1/4	39-43	1/4 3/8 1/2		
	1-1/2	44-53	1/4 3/8 1/2		
	2	54-60	1/4 3/8 1/2		
15475	2-1/2	63-73		1/2 3/4 1	
	3	76-89		1/2 3/4 1	
	4	102-114		1/2 3/4 1	
					● ● ●

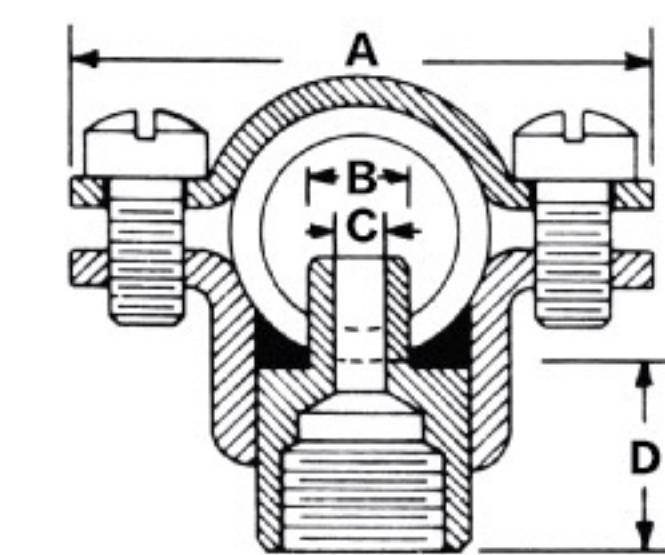
*A- 用于黄铜连接器的镀锌钢夹子和螺栓。Galvanized steel and bolt used for brass connector

*B- 全部是不锈钢。All are stainless steel.

*C- 用于不锈钢连接器的镀锌钢夹子和螺栓。Galvanized steel and bolt used for stainless steel connector.

订购信息 Order information

8370	A—1-1/4 × 1/4
拼合孔连接器型号 Split hole Connector type	材料代码 Material
	夹子尺寸 Clamp size



Y型液体过滤器 Y Type Liquid Filter



设计特点 Design Feature

Y型内部过滤网采用不锈钢双层网结构，坚固耐用，具有结构先进、流通面积大、流阻小、排污方便等特点，可用于水、蒸汽、油品、硝酸等有腐蚀性的液体介质。要根据用户需要设置过滤网的目数，一般通水网为18~30目，通气网为40~100目，通油网为100~480目，是输送流体的管道系列不可缺少的一种装置，通常安装于水力控制阀、减压阀、泄压阀、定水位阀等设备的进口端，用来消除介质中的杂质，防止颗粒性质进入通道，造成堵塞，以保护设备管道上的配件免受磨损和堵塞。

Y type inner filter screen adopt two layers of stainless steel sereen, which is strong and durable, and has more advantages: advanced Structuring, large flow area, small flow resistance, easy pollution discharge etc. It can be used in corrosive liquid medium like water, steam, oils and nitric acid etc. The mesh is set according to user's demands. Usually the mesh for water is 18-30 mesh, for gas is 40-100 mesh, for oil is 100-480 mesh. It is essential settings to convey fluid for pipe system. It is normally used at inlet of hydraulic control valve, reducing valve, level control valve etc to reduce the impurities, so as to prevent granular going into pipe and causing blocking.

性能数据 Performance Data

壳体材质 Body material	黄铜 / 不锈钢 Brass/stainless steel	连接形式 Connection type	螺纹, 法兰 Thread,flange
滤框网材质 Material for filter frame and screen	不锈钢 Stainless steel	公称压力 Nominal pressure(Mpa)	0.6~5.0
密封件材质 Sealing material	柔性石墨, 聚四氟乙烯 Soft graphite,Teflon	过滤精度 Filter fineness(目 /mesh/in)	10~300
环境温度 Environment temperature	-30~400°C		

订购信息 Order information

Y1/2	SS	30
型号及螺纹接口 Model and threaded coupling	材料 Material	滤网目数 Filter screen mesh

滤芯 Filter cartridge



聚酯纤维滤芯 Polyester fiber filter element:

制造材料: 100% 聚酯纤维, 厚度 0.75mm	Raw material: 100% polyester fiber, thickness 0.75mm
耐热耐高温: 80°C	Heat resistance: 80°C
空气渗透率: 220m³/m²/hr	Air permeation rate: 220m³/m²/hr
过滤密度: 5μ~10 μ	Filter density: 5μ~10 μ
重量: 240g/m²	Weight: 240g/m²
初阻力: ≤298Pa	Initial resistance: ≤298Pa

覆膜粉尘滤芯【粉尘滤筒】Coated dust filter cartridge:

- -JHY/F series 系列覆膜聚酯滤筒，采用进口 PTFE 覆膜聚酯滤料。
- 表面过滤，极光滑，不易黏附，更易于脉冲反清灰。
- 进口膜精度高，过滤效果好，根据工况最细可达 0.03 微米。
- 端盖骨架均作防护处理，PTFE 微孔膜聚焦优秀的化学耐腐蚀性。
- -JHY/F series coated polyester filter cartridge, using import PTFE coated polyester filter material.
- Surface filtration, smooth, not easy to stick, and easy for pulse ash removal.
- Import coating is with high precision, good filtering effect, The finest data can reach 0.03μ.
- Protection processing to cap and center frame, PTFE microporous film gather excellent chemical resistance.

规格参数 Specification

型号 Model	A	B	C	D	E	S
1920#	150	900	84	850	-	2.65
1921#	150	1050	84	1010	-	2.65
1922#	280	600	170	615	16	6.5
1923#	325	600	215	615	16	6.5
1924#	325	660	215	675	16	7.0
1925#	325	900	215	915	16	9.0