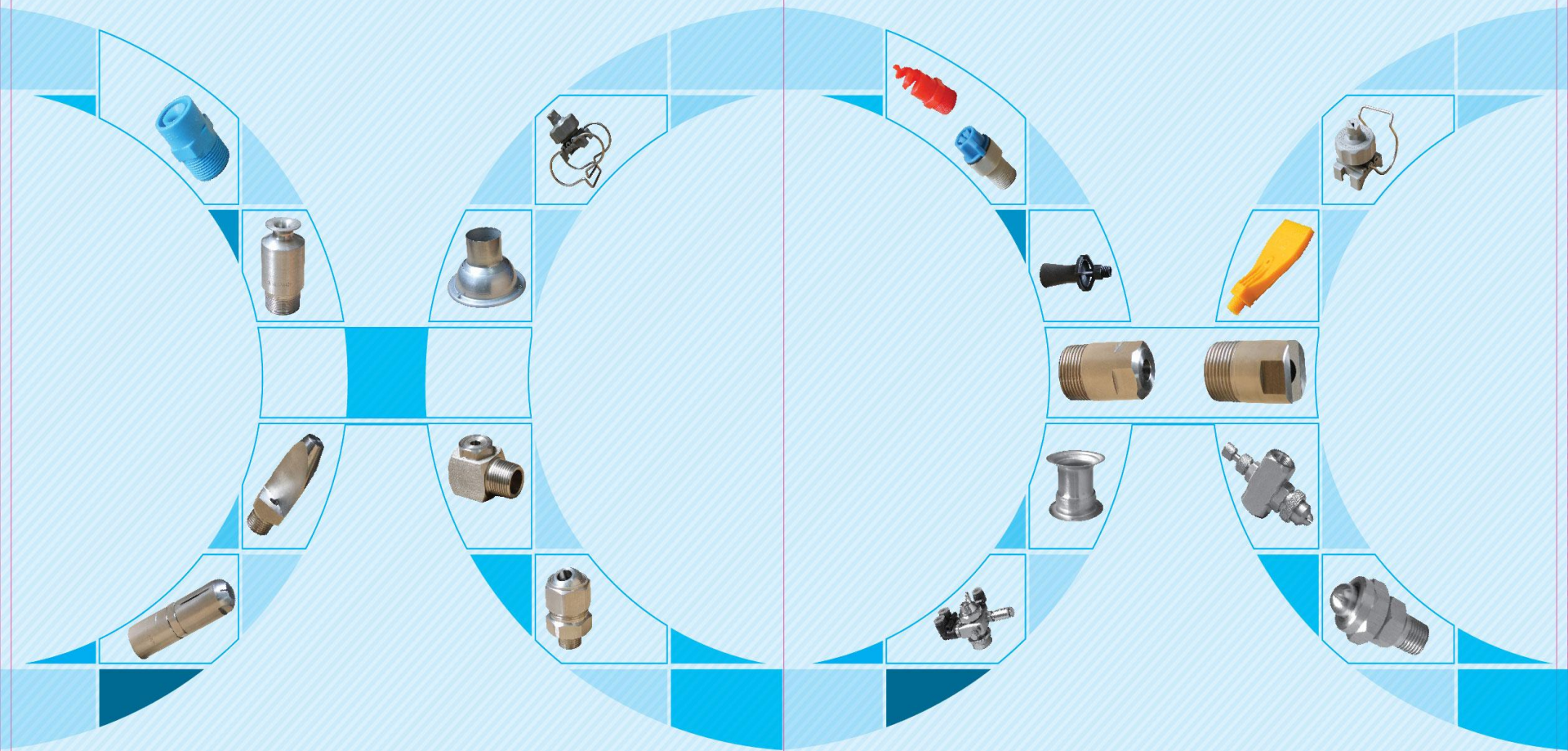




SHANGHAI XINHOU
SPRAYING&PURIFICATION EQUIPMENT
上海鑫厚喷雾净化设备有限公司



上海鑫厚喷雾净化设备有限公司
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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，能为您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，在同等的价格上，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.

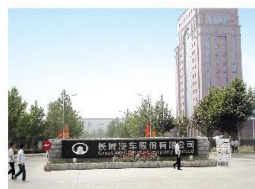
4, According to purpose：Cleaning nozzle；Humidification nozzle；Dedusting nozzle；Spray drying nozzle；Spray coating nozzle；Strong cold air shower nozzle；strong hot air shower nozzle.

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 provement 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.



喷淋室
Spraying room



强冷室
Strong cold room

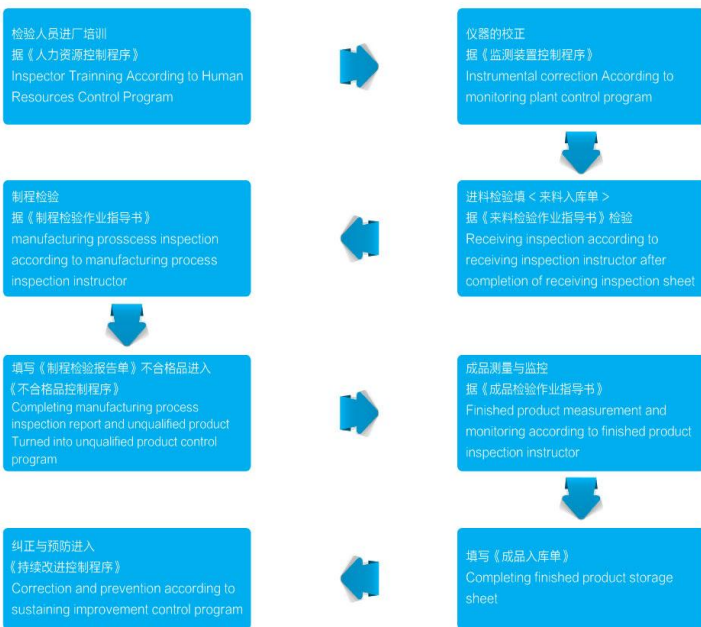


喷雾加湿
Spraying humidification



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 $\geq 95\%$, 成品合格率: $\geq 99\%$, 客户投诉率: $\leq 1\%$

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 $\geq 95\%$. Finished product percent of pass $\geq 99\%$. Clients' complaint $\leq 1\%$.

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
- 金属表面的预处理
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
- 密砖和彩瓦上釉
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

- 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

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

- 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 desulfuration

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

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

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

- 输送带和传动链润滑
Conveyor belt and transmission chain lubrication
- 喷涂脱模剂
Mould release agent spraying
- 钢缆润滑
Wierope lubrication
- 轴和轴承润滑
Axle 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.

塑料类 Plastic	硬质聚氯乙烯 Hard PVC	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
	聚硫醚 PPS	PPS
	聚四氟乙烯 PTFE	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
	硬合金 Hard alloy	CCA
	铝合金 Aluminium alloy	ALMA
特殊材料 Special material	蓝宝石 Sapphire	SAS
	红宝石 Ruby	RUS
	石墨 Graphite	GRS
	陶瓷 Ceramics	SIS

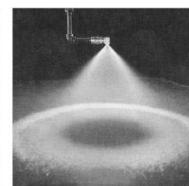
喷嘴的应用范围 Nozzle's Application



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,不同材质的喷嘴磨损不同。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纯净度,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,要选用耐腐蚀材质喷嘴(316L,PVDF)。当溶液浓度非常大时,要选用耐磨材质喷嘴(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.

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雾角度和距喷嘴口距而计算出来的。这些数值是基于喷雾角度在整个喷雾距离中保持不变的假设。在实际应用中, 列入表内的喷雾角度不适用于喷雾距离, 实际喷雾覆盖范围数据图表。

列入表内的喷雾角以水为基本显示近似喷雾覆盖范围。在实际喷雾时, 有效喷雾角度因喷雾距离而计, 如果要求的喷雾覆盖范围是关键的, 可因特定的喷雾覆盖范围数据。当液体比水黏时, 形成的喷雾角度相对较小(或甚至形成液柱流), 其角度取决于粘度, 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雾角度。

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 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.

喷雾角度 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	56.0	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雾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, 设已知喷雾流量为 Q_1 , 对应压力为 F_1 , 求已知压力为 F_2 时, 未知流量 Q_2 , 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_2 based on the known pressure F_2 . The relation is as below:

$$\frac{Q_1 \text{ 流量 / flow rate (L/min)}}{Q_2 \text{ 流量 / flow rate (L/min)}} = \sqrt{\frac{F_1 \text{ 压力 / pressure (kg)}}{F_2 \text{ 压力 / pressure (kg)}}}$$

即 i.e.

$$Q_2 = Q_1 \sqrt{\frac{F_2 \text{ 目标压力 / target pressure (kg)}}{F_1 \text{ 已知压力 / known pressure (kg)}}}$$

单位换算 Unit Conversion

鑫厚公司提供一些换算单位, 以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			
cm²	m²	in²	ft²
1	1 × 10 ⁻⁴	0.155	1.08 × 10 ⁻⁶
1 × 10 ⁴	1	1.55 × 10³	10.8
6.45	6.45 × 10 ⁻⁴	1	6.94 × 10 ⁻³
9.30 × 10²	9.30 × 10 ⁻²	1.44 × 10²	1

长度 Length					
um	mm	cm	m	in	ft
1	1 × 10 ⁻³	1 × 10 ⁻²	1 × 10 ⁻³	3.94 × 10 ⁻⁵	3.28 × 10 ⁻⁴
1, 000	1	0.1	1 × 10 ⁻¹	3.94 × 10 ⁻²	3.28 × 10 ⁻³
1 × 10 ⁶	10	1	1 × 10 ⁻²	3.94 × 10 ⁻¹	3.28 × 10 ⁻²
1 × 10³	1 × 10³	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 × 10³	3.05 × 10²	3.05 × 10	3.05 × 10 ⁻¹	12	1

流量 Flow rate						
l/min	m³/min	m³/hr	in³/hr	ft³/h	米 gal/min	英 gal/min
1	0.001	0.06	3.66 × 10³	2.12	0.264	0.22
1,000	1	60	3.66 × 10⁶	2.12 × 10³	264	220
16.67	0.017	1	6.10 × 10³	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	0.005	0.273	1.66 × 10 ⁴	9.63	1.2	1

压力 Pressure						
KPa	bar	kg/cm²	lbf/in² (p.s.i)	Atm	mmHg	mH₂O (mAg)
1	0.01	0.01	0.145	9.87 × 10 ⁻³	7.50 × 10 ⁻³	0.102
100	1	1.020	14.5	0.987	0.750	10.2
98.07	0.981	1	14.22	0.968	0.736	10.01
6.89	0.069	0.070	1	0.068	0.052	0.704
1.01 × 10 ²	1.013	1.033	14.7	1	0.76	10.34
1.33 × 10 ²	1.33	1.36	19.3	1.32	1	13.61
9.807	0.098	0.10	1.42	0.097	0.073	1

体积 Volume					
cm³	l	M(KI)	ft³	英 gal	米 gal
1	1 × 10 ⁻³	1 × 10 ⁻⁶	3.53 × 10 ⁻⁵	2.2 × 10 ⁻⁴	2.64 × 10 ⁻⁴
1,000	1	1 × 10 ⁻³	3.53 × 10 ⁻²	0.22	0.264
1 × 10⁶	1,000	1	353	220	264
2.83 × 10 ⁴	28.3	2.83 × 10 ⁻²	1	0.623	0.749
4.55 × 10³	4.55	4.55 × 10 ⁻³	1.6	1	1.2
3.79 × 10³	3.79	3.79 × 10 ⁻³	1.34	0.833	1

水流量与适当的配管径 Flow rate and matching pipe dia.						水流量与适当的配管径 Flow rate and matching pipe dia.					
管径 Pipe dia.	钢管 Pipe	配管长 10m 压损 0.11~0.03MPa 时之流量 Flow rate when matching pipe 10m pressure loss 0.11~0.03MPa (e/min)	管径 Pipe dia.	钢管 Pipe	配管长 10m 压损 0.11~0.03MPa 时之流量 Flow rate when matching pipe 10m pressure loss 0.11~0.03MPa (e/min)	管径 Pipe dia.	钢管 Pipe	配管长 10m 压损 0.11~0.03MPa 时之流量 Flow rate when matching pipe 10m pressure loss 0.11~0.03MPa (e/min)	管径 Pipe dia.	钢管 Pipe	配管长 10m 压损 0.11~0.03MPa 时之流量 Flow rate when matching pipe 10m pressure loss 0.11~0.03MPa (e/min)
A	B	内径 Inner dia.	外径 outer dia.	A	B	内径 Inner dia.	外径 outer dia.	A	B	内径 Inner dia.	外径 outer dia.
6A	1/8B	6.5	10.5	40A	1-1/2B	41.6	48.6	120-210	120-210		
8A	1/4B	9.2	13.8	50A	2B	52.9	60.5	215-370	215-370		
10A	3/8B	12.7	17.3	65A	2-1/2B	67.9	76.3	410-700	410-700		
15A	1/2B	16.1	21.7	80A	3B	80.7	89.1	680-1,200	680-1,200		
20A	6B	21.6	27.2	100A	4B	105.3	114.3	1,200-2,100	1,200-2,100		
25A	1B	27.6	34.0	125A	5B	130.8	139.8	2,100-3,600	2,100-3,600		
32A	1 1/4B	35.7	42.7	150A	6B	155.2	165.2	3,300-5,700	3,300-5,700		

26988 夹扣喷嘴 Clip-eyellet 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℃, 耐化学性能优良
喷头 Spray tips	Carbon fiber reinforced polypropylene fiber content:25%
底座 Base	Max operating temperature is 82℃ Excellent chemical resistance Excellent abrasion 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 Fluorous 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。

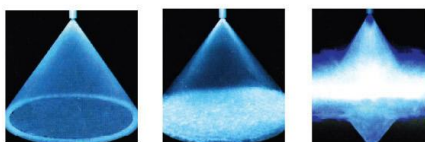
- Adjustable ball-Type nozzle has two types of connection; Clamp type (26988 series) and Threaded type (155 series). Clamp spray nozzle is fixed on the pipe by clamp, threaded type is to be fixed by threaded connection.
- Adjustable ball-Type nozzle can offer three types of spraying; Full cone type, 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-eyellet 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-eyellet nozzle

性能数据 Performance Data

空心锥形喷头 Hollow cone spray tip



喷头型号 Style No.	流量 (升/分) Flow rate (liters/minute)								喷射角度 Spray angle		
	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 Style No.	流量 (升/分) Flow rate (liters/minute)								喷射角度 Spray angle		
	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 Style No.	螺纹尺寸 (英寸) Thread size(Inch)
BL2	1/4
BL3	3/8

一般应用 Common application

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

订购信息 Order information

26988	1	D14	PP	CT6530	PP
喷嘴型号 Nozzle type	夹管尺寸 Pipe size	水管开孔尺寸 Hole's dia. on pipe	材料代码 Material	喷头型号 Spray tip type	材料代码 Material
155	3/8	PP	QC6505	PP	
喷嘴型号 Nozzle type	螺纹尺寸 Thread size	材料代码 Material	喷头型号 Spray tip type	材料代码 Material	

G混流喷嘴 Mixing Eductor Nozzle

设计特点 DESIGN FEATURE

根据 Bernoulli 射流引射原理,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,在引射口周围形成低压区域。由于区域压力差以及液动力作用于吸引液体,使高速工作射流与被吸引液体以 1:4 液体流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 Bernoulli 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. High speed flow and liquid spray from mixing diffuser by 1:4

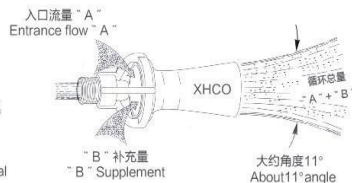
功能特性 PERFORMANCE FEATURE

- 实现溶液无空气混合搅拌,减少溶液氧化分解
- 强化溶液循环系运动,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.

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老化性能,耐高达120℃。

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℃.



入口接头 NPT 或 BSPT(M) Inlet connector NPT or BSPT(M)	大流量 Large area of flow	输入压力 Input hydraulic pressure								入口接头 NPT 或 BSPT(M) Inlet connector NPT or BSPT(M)
		10 psi	15 psi	20 psi	25 psi	30 psi	35 psi	40 psi	45 psi	
1/4	入口流量 (升/分)	3.5	4.3	5.0	5.5	6.1	6.6	7.0	7.8	1/4
3/8		9	11	12.5	14	16	17	18	20	3/8
3/4	入口流量 (L/min) "A"	13.5	17	19	21	23	25	27	30	3/4
1-1/2		33	40	47	53	58	63	66	75	1-1/2
1/4	补充量 (升/分)	12.7	15.1	17.8	19.6	22	24	26	29	1/4
3/8		36	44	50	56	64	68	72	80	3/8
3/4	补充量 (L/min) "B"	54	68	76	84	92	100	108	120	3/4
1-1/2		132	160	188	212	232	252	264	300	1-1/2
1/4	循环总量 (升/分)	16.2	19.4	22.8	25.1	28.1	30.6	33	36.8	1/4
3/8		45	55	62.5	70	80	85	90	100	3/8
3/4	总循环量 (L/min) "A+B"	67.5	85	95	105	115	125	135	150	3/4
1-1/2		165	200	235	265	290	315	330	375	1-1/2
1/4	有效范围 (米)	3	5	7	8.5	10	12	14	17	1/4
3/8		4	6	8	10	12	14	17	22	3/8
3/4	有效范围 (m)	5	8	11	14	17	20	24	33	3/4
1-1/2		7.5	12	16	20	24	29	34	46	1-1/2

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	入口尺寸	材质
Model	Inlet size	Material

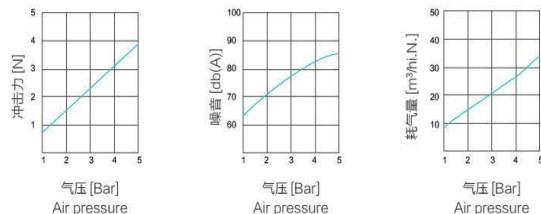
F吹风喷嘴 Windjet Nozzle

- 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击力。
- 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℃。
- F 型铝合金吹风喷嘴能承受 30 巴左右气压并能耐 250℃ 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℃.
- F style aluminum alloy windjet nozzle can endure 30 bar pressure, at this air pressure, max operating temperature is 250℃.

性能数据 Performance Data



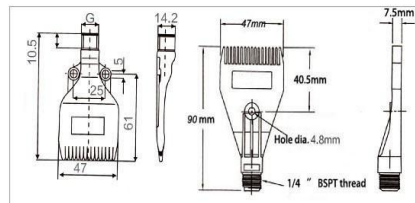
一般应用 Common Application

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

订购信息 Order information

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

外形尺寸 Product Size



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嘴, 喷射角度范围可为 60°~170°, 在 3 巴压强下, 液体流量范围为 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, 使液体在给定的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 不锈钢件、TEFLON 聚四氟乙烯材料制造的。如需用于特殊领域, 也可采用其他材料制造。

Spiral nozzle (SPJT) is a kind of full cone or hollow cone nozzle, spray angle range is 60°-170°. Liquid flow rate range is 5.5-4140 L/min. This compact nozzle has design of smooth flow channels which can minimize the block of liquid to make liquid reach max. flow in given size pipe. Spiral nozzle can be installed or updated on most piping system. The available nozzle is NPT or BSPT (male) threaded type. Usually 1/4"-2" nozzle can separately use brass, 316 stainless steel casting, TEFLON. Other material can be used if they are applied to special fields.

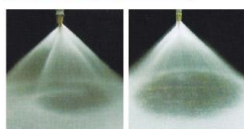


性能数据 Performance Data

螺纹尺寸 Thread size NPT or BSPT (外 male)	喷射角度 Spray angle (0.7 bar at 0.7bar)					流量代码 Flow code	喷嘴孔径 Spray hole Dia.(mm)	自由流通 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
	●					07	2.4	2.4	2.6	3.9	5.5	8.4	16
3/8	●					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
1/2	●	●	●	●	●	53	6.4	3.2	20	30	42	64	121
	●	●	●	●	●	82	7.9	3.2	31	46	65	99	187
	●	●	●	●	●	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
	●	●	●	●	●	340	15.9	6.4	130	190	270	410	775
1	●	●	●	●	●	470	19.1	6.4	179	260	370	565	1070
	●	●	●	●	●	640	22.2	7.9	245	355	505	770	1460
1-1/2	●	●	●	●	●	820	25.4	7.9	310	455	645	990	1870
	●	●	●	●	●	960	28.6	7.9	365	535	755	1160	2190
	●	●	●	●	●	1400	34.9	11.1	535	780	1105	1690	3190
	●	●	●	●	●	1780	38.1	11.1	680	995	1405	2150	4060
2	●	●	●	●	●	2560	44.5	14.3	980	1430	2020	3090	5830
	●	●	●	●	●	3360	50.8	14.3	1280	1880	2650	4050	7660
3	●	●	●	●	●	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 casting 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	喷射	流量	316SS-316 不锈钢
型号	尺寸	代码	角度	大小	Stainless steel
Nozzle	Pipe	Material	Spray	Flow	TEF-TEFLON 聚四氟乙烯
type	size		angle		PP-聚丙烯

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%) 和聚偏二氯乙烯 (PVDF) 制造而成, 均具有强度高, 耐磨损和耐化学腐蚀的优点, 而都能防止冲液液结块和累积, 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最高温 82°C, 而聚偏二氯乙烯 (PVDF) 是一种高纯度材料, 可保持加工环境高度净化, 7KG 压力下耐温可高达 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 形丁腈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 built-in link stopper inside spray tip which make sure to fix precise location when connecting with the body. It avoid wasting time to adjust by hand.

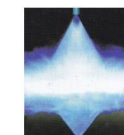
● RESISTANCE TO CHEMICAL CORROSION AND ABRASIVE WEAR

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.

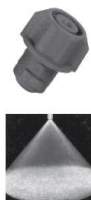
快拆扇形喷头 Quick-connect Flat Fan Tip



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	QC8003	QC9503	QC611003	0.37	0.69	0.97	1.2	1.4	1.5	1.7	1.8	2.6	
QC5004	QC6504	QC8004	QC9504	QC11004	0.50	0.92	1.3	1.6	1.8	2.0	2.2	2.4	3.4	
QC5005	QC6505	QC8005	QC9505	QC11005	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	4.3	
QC5006	QC6506	QC8006	QC9506	QC11006	0.75	1.3	1.9	2.4	2.7	3.1	3.3	3.6	5.1	
QC5008	QC6508	QC8008	QC9508	QC11008	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	6.8	
QC5010	QC6510	QC8010	QC9510	QC11010	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	8.5	
QC5015	QC6515	QC8015	QC9515	QC11015	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	12.8	
QC5020	QC6520	QC8020	QC9520	QC11020	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	17.1	
QC5030	QC6530	QC8030	QC9530	QC11030	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	26	

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		
Style No.	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		
Style No.	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	0.56	0.60	—	58°	69°		
QA1	—	0.32	0.46	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°		

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
- 灭尘控制
- 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) Inter 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.	
喷嘴体型号 Nozzle body Model	QJJ 1/4-PP
喷头型号 Spray tip style No.	QB5-PP

QJJ 1/4-PP+QB5-PP

BB/CC/HAX/HBX一体式喷嘴 One-piece Nozzle



HAX



HBX

HAX 与 HBX 型喷嘴具有大而通畅的内部流道, 最大程度地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	喷嘴口径 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	1.4	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°	
3/8"	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°	
	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
- Developing film

订购信息 Order information

确定喷嘴类型及流量编码 Nozzle type+Flow code
BB 1/8-KY1.3 BB 1/8-KY1.3

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							喷嘴孔径 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							喷嘴孔径 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					
								5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54					
								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 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	1.0	
YB 1/4P MVD FVP-6520I	0.8	1.2	1.6	2.0	2.3	2.8	3.3	3.7	65°
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	90°
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 固定式强热风嘴
QH fixed hot air shower nozzle



QY 斜口式强冷风嘴
QY beveled hot air shower nozzle

BQ 可调强冷风嘴
BQ adjustable cold air shower nozzle

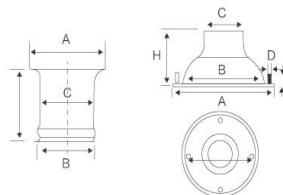
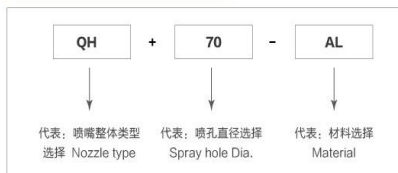
QH 系列热风循环风淋喷嘴由特殊工艺机械拉伸的长颈喇叭风口和可调底座组成, 经聚流的热风经加速后迅速向四周以一定的风速扩散达到热风循环搅动空气的作用, 对连续的隧道流水线和大工件的烘干、局部送风、净化单元是理想的专业喷嘴, 可用 304 不锈钢板、镀锌板、铝板和电解板等金属材料制作。
BQ 可调式强冷风喷嘴是由封嘴、内底座、外底座及固定法兰组合。两底座在固定风嘴的位置之间有密封条, 起密封和消音作用。根据风压一定, 喷嘴孔横截面积越小, 风速越大的原理, (即 $V=F/S$ F 指风压, S 指喷嘴孔横截面积), 进风口与出风口直径的递减加快, 使得该喷嘴具有“强冷风嘴”的美称。一般采用金属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

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, aluminumized steel plate, aluminum plate, electrolytic plate etc.
BQ adjustable cold 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 cold air shower nozzle". Material is press forming metal, galvanized sheet, aluminumized 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
通流量 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
	V=8m/h	37	56	96	110	245
外形尺寸 Dimension(mm)	A	φ143	φ143	φ143	φ143	φ165
	B	φ110	φ110	φ110	φ110	φ156
	C	φ40	φ40	φ40	φ40	φ100
	H	φ85	φ85	φ85	φ85	100
	N	3	3	3	3	-
	Φ	M5	M5	M5	M5	φ145

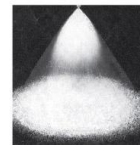
订购信息 Order information



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

 G 可拆卸帽盖与叶片 1/8 英寸~1/2 英寸 NPT 或 BSPT(内) Detachable cap and vane 1/8" ~1/2" NPT or BSPT(female)	 GG 可拆卸帽盖与叶片 1/8 英寸~1/2 英寸 NPT 或 BSPT(外) Detachable cap and vane 1/8" ~1/2" NPT or BSPT(male)	 H 整体 3/4 英寸~1 英寸 NPT 或 BSPT(内) one-piece 3/4" ~1" NPT or BSPT(female)	 BB 整体 1/8 英寸~1 英寸 NPT 或 BSPT(外) one-piece 1/8" ~1" NPT or BSPT(male)
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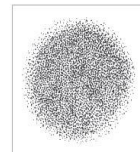
设计特点 Design Feature



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 $43^{\circ} \sim 106^{\circ}$ 。

Fulljet 喷嘴能在大范围的速率和压力下产生分布均匀, 液滴大小为中到偏大的喷雾, 这种均匀的喷雾分布来源于独特的叶片设计和大而易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)从喷嘴上下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拆下来。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 $43^{\circ} \sim 106^{\circ}$.

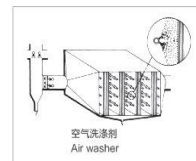
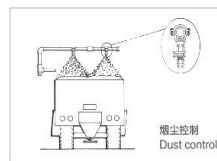
Fulljet nozzle can spray uniformly, droplets are from medium to big. This well distributed spray benefits from distinct vane design, big and clear channel, excellent control feature.

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
- 淹没易燃物品的储藏箱, 以达灭火、防火之目的
- 泡沫塑料的崩裂与发泡
- 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

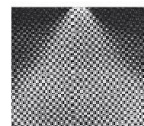
标准喷嘴 Standard nozzle			
G	1/4	SS	10
喷嘴 类型 Nozzle type	入口管 接口 尺寸 Inlet pipe connector size	材料 代码 Material code	流量 大小 Flow

性能数据 Performance Data

喷嘴入口 BSPT Inlet connector NPT or BSPT	喷嘴型号 Nozzle type										流量 大小 The Flow code	额定 流量 Rated orifice Dia (mm)	最大 流量 Max expedite Dia (mm)	流量 Flow rate(L/min) (升/分)												喷射角度 Spray angle	
	标准型 Standard					墙上安装型 For wall installation								转角度 Angular type													
	(内) 接头 Connector		(外) 接头 Connector		*	(内) 接头 Connector		(外) 接头 Connector		(内) 接头 Connector				(外) 接头 Connector													
	G	H	GG	HH		GD	HD	GGD	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°	
1/4	●		●			●		●			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°	
	●		●			●		●			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°	
3/8	●		●			●		●			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°	
	●		●			●		●			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°	
1/2	●		●			●		●			40	6.2	3.6	13.1	15.2	22	25	30	34	38	41	44	52	88°	91°	83°	
	●		●			●		●			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°	
	●		●			●		●			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°	
3/4	●		●			●		●			7	8.3	5.6	27	31	45	51	61	70	78	84	91	107	67°	68°	62°	
	●		●			●		●			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°	
	●		●			●		●			12	11.9	6.4	46	54	77	87	105	120	133	145	155	183	89°	92°	84°	
	●		●			●		●			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°	
1-1/4	●		●			●		●			12	10.7	6.4	46	54	77	87	105	120	133	145	155	183	66°	70°	60°	
	●		●			●		●			14	12.3	6.4	54	63	89	102	123	140	155	169	181	215	77°	80°	70°	
	●		●			●		●			20	15.1	7.9	77	90	128	146	175	200	220	240	260	305	90°	93°	81°	
	●		●			●		●			10	9.5	8.7	38	45	64	73	88	100	111	121	130	153	48°	50°	44°	
	●		●			●		●			16	12.7	8.7	62	72	102	116	140	160	178	193	210	245	72°	74°	64°	
	●		●			●		●			20	14.3	8.7	77	90	128	146	175	200	220	240	260	305	74°	76°	66°	
1-1/2	●		●			●		●			30	18.3	10.3	115	135	191	220	265	300	330	360	390	460	91°	94°	82°	
	●		●			●		●			17	12.7	11.1	65	76	108	124	149	170	189	205	220	260	49°	50°	44°	
	●		●			●		●			30	17.3	11.1	115	135	191	220	265	300	330	360	390	460	72°	74°	64°	
	●		●			●		●			35	19.2	11.1	135	157	225	255	310	350	390	425	455	540	75°	77°	68°	
	●		●			●		●			40	21.0	11.1	154	180	255	295	350	400	445	485	520	610	78°	80°	70°	
	●		●			●		●			50	23.8	14.3	192	225	320	365	440	500	560	610	650	770	83°	85°	75°	
2	●		●			●		●			60	28.6	14.3	230	270	385	440	530	600	670	730	780	920	98°	100°	86°	

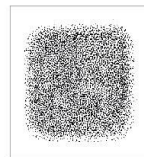


设计特点 Design Feature



方形喷雾 FullJet 喷嘴的特点是产生实心锥形喷雾形状, 喷射区域呈正方形, 喷射角为 40°-105°。方形喷雾 FullJet 喷嘴能在大范围的压力和流量下产生分布均匀, 液滴大小中等到偏大的喷雾。这种均匀的喷雾分布来源于独特的叶片设计, 大而通畅的流道和先进的喷雾控制特性。这种喷嘴非常适合安装在要求彻底覆盖的矩形喷雾区域的地方。

G-SQ 和 GG-SQ 系列方形喷雾 FullJet 喷嘴具有可拆卸的帽盖和叶片, 不需将喷嘴从集管或分支管上拆下来就可拆卸和检查这些零件。

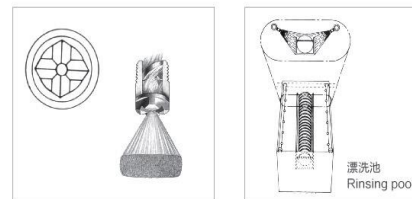


The feature about square spray nozzle is that it generates full cone spray, the spraying area is square. Spray angle is 40°-105°. Full jet square spray nozzle can spray uniformly, droplets are from medium to big under big range of pressure and flow rate. This well distributed spray benefits from distinct vane design, big and clear and excellent control features. This kind of nozzle is suitable to be installed at the rectangle area that needs to be completely covered by spray.

G-SQ and GG-SQ series square spray nozzle have detachable cap and vane, so there is no need to remove nozzle body from header or multibranch pipe in maintenance.

一般应用 Common Application

- 冷却与淬火
- 产品清洗
- 空气与气体洗涤剂
- 擦洗器
- 液体洗涤剂
- 灭火控制
- 防火
- Washing and cleaning
- Quenching and cooling
- Control dust
- Air and gas washing
- Scrubbing
- Fire-extinguishing
- Fireproof



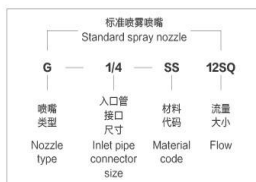
附件 Attachment



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	额定喷嘴孔径 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		(外) 接头 (M) Connector																					
	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°				
		●			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°				
2			●		480SQ	21.0	11.1	124	157	215	300	360	410	455	495	530	630	79°	82°	74°				
		●			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°				
2-1/2			●		950SQ	28.6	17.5	245	310	430	590	710	810	900	980	1050	1230	81°	84°	76°				
		●			2980SQ	47.6	28.6	770	980	1340	1840	2220	2540	2810	3060	3280	3860	89°	91°	83°				
			●		5690SQ	81.8	44.5	1470	1860	2560	3520	4240	4840	5360	5830	6260	7370	102°	105°	95°				
				标准材料		材料代码																		
	●	●	●	●	●	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



设计特点 Design Feature

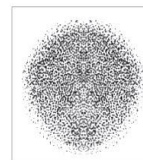


窄角喷嘴 FullJet 喷嘴的特点是能产生实心锥形喷雾形状, 喷射区域呈圆形。窄喷射角颗粒较粗的喷雾, 15° 系列喷嘴更是如此, 单位面积上的冲击力着高同样流率下的较宽角 FullJet 喷嘴。

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 ~1/4 英寸尺寸的喷嘴是用棒材制成的, 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, 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射控制特性。



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" or bigger nozzles are made through moulding or casting. Full jet nozzle is made through fine craftsmanship and this assure perfect performance. This well distributed spray benefits from distinct vane design, big and clear and excellent control features.

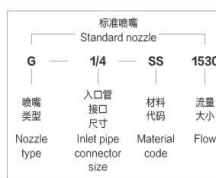
性能数据 Performance Data

喷嘴入口 接头 BSPT Inlet connector NPT or BSPT	喷嘴型号 Nozzle type			流量大小 The Flow	额定喷嘴 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																	
	G	H	GG																	
1/8	●		●	1507	1.6	1.3	2.0	2.3	2.8	3.2	3.6	3.9	4.2	5.0	7.1	13°	15°	15°		
	●		●	1514	2.4	2.7	3.9	4.5	5.5	6.4	7.1	7.8	8.4	10.1	14.3	13°	15°	15°		
1/4			●	1530	3.2	5.7	8.4	9.7	11.8	13.7	15.3	16.7	18.1	22	31	13°	15°	15°		
3/8	●		●	1550	4.4	9.5	14.0	16.1	19.7	23	25	28	30	35	51	13°	15°	15°		
1/2			●	1590	5.6	17.2	25	29	36	41	46	50	54	65	92	13°	15°	15°		
3/4		●		15150	7.5	29	42	48	59	68	76	84	90	108	153	13°	15°	15°		
1		●		15280	9.9	53	78	90	111	128	143	156	169	200	285	13°	15°	15°		
1-1/4		●		15430	12.3	82	120	139	170	196	220	240	260	310	440	14°	15°	15°		
1-1/2		●		15630	15.1	120	176	205	250	290	320	350	380	455	640	14°	15°	15°		
2		●		151150	20.2	220	320	370	455	530	590	640	700	830	1170	14°	15°	15°		
2-1/2		●		151750	24.6	335	490	570	690	800	890	980	1060	1260	1780	14°	15°	15°		

一般应用 Common Application

- 对需要深度渗透和 / 或喷射产生湍流以确保透澈
洗净的产品进行清洗
- 给过热蒸汽降温
- 喷射管道的内测对齐进行冷却或清洗
- Washing and cleaning
- Cooling
- Cooling and cleaning pipe through spraying
the inner side of pipe

订购资料 Order information



附件 Attachment



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 Rate 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	HH		新定喷嘴孔 孔径 Rated orifice Dia(mm)																
					1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	15bar	20bar	0.5bar	1.5bar	6bar				
1/8	●	●		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°			
	●	●		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°			
1/4	●	●		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°			
3/8	●	●		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°			
1/2	●	●		3030	3.2	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	26	31	26°	30°	31°			
3/4	●	●		3050	4.4	11.4	16.1	19.7	23	25	28	30	36	44	51	26°	30°	31°			
1		●		3070	5.2	16.0	23	28	32	36	39	42	50	62	71	27°	30°	30°			
		●		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°			
		●		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°			
		●		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°			
		●		30400	11.9	91	129	158	182	205	225	245	290	355	410	28°	30°	30°			
2-1/2		●		30500	13.5	114	161	197	230	255	280	305	360	445	510	28°	30°	30°			
		●		30600	14.7	137	193	235	275	305	335	365	435	530	620	28°	30°	30°			
		●		30700	15.9	160	225	280	320	360	390	425	510	620	720	28°	30°	30°			
		●		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°			
		●		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

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



SMP

120° SMP 喷嘴实物图
120° SMP nozzle picture

设计特点 Design Feature

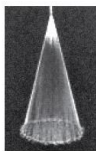
- 整体式结构, 内部两个 S 形叶片形成最大畅通通道, 并与喷嘴主体一体铸造。采用该结构的好处为: 在同等流量的情况下, SMP 型喷嘴, 其允许通过的固体颗粒直径比普通实心锥形喷嘴高出 3 倍。
- 独特的设计, 最大化的避免在恶劣工况条件下产生的普通喷嘴堵塞的问题, 尤其适合喷洒大流量的含颗粒杂质较多的浆液, 轻松输送污泥、多块状物质的液体, 如石灰浆液。
- 低压至 0.2 巴即可有效喷射。内部通道均为流线形, 使液体通过更为流畅、无死角、无堵塞, 有效地降低了液体雾化压力。
- S 形叶片的导流作用, 避免了螺旋喷嘴的分层喷洒, 使得喷洒更加均匀全面。
- 内螺纹或者外螺纹连接, 从 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。



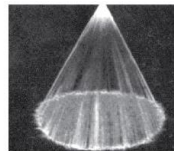
从 SMP 喷嘴的切面图, 就可以看到两个 S 形叶片的构造, 这种构造使喷嘴可以畅通输送各类含有较大颗粒的浆液而不会堵塞。
From the SMP transverse picture, 2 S-vane structure can be seen. This structure can convey seriflux which contains much grain impurity easily without blocking.

- Integral structure. 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 dreggy liquid easily, like lime slurry.
- It sprays effectively at 0.2bar. Inner channels are streamline, which 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.

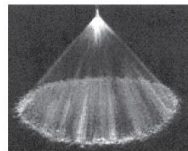
喷雾效果 Spray Sketch



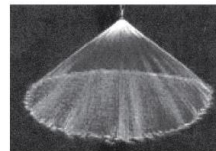
实心锥 30°
Full cone 30°



实心锥 60°
Full cone 60°



实心锥 90°
Full cone 90°



实心锥 120°
Full cone 120°

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
1	SMP375	22.9	27.7	35.2	41.3	48.8	67.6	81.8	104	9.53
	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
1-1/4	SMP437	34.0	40.6	50.9	59.0	69.0	93.6	112	140	11.1
	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
1-1/2	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
	SMP562	53.4	63.8	79.9	92.7	108	147	176	220	14.3
2	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
2-1/2	SMP687	82.5	98.7	124	143	168	227	272	340	17.5
	SMP750	100	120	150	174	204	276	333	414	19.1
	SMP812	110	132	165	191	223	303	362	454	20.6
3	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
3-1/2	SMP1125	206	249	317	371	439	608	736	935	28.6
	SMP1125	206	249	317	371	439	608	736	935	28.6
	SMP1250	247	299	381	446	527	730	883	1120	31.8
4	SMP1375	297	359	456	535	632	875	1060	1350	34.9
	SMP1500	363	440	559	655	774	1070	1230	1650	38.1
	SMP1500	363	440	559	655	774	1070	1230	1650	38.1
4-1/2	SMP1625	428	517	658	770	911	1260	1530	1940	41.3
	SMP1750	488	591	751	880	1040	1440	1740	2220	44.5
	SMP1750	488	591	751	880	1040	1440	1740	2220	44.5
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
5-1/2	SMP2250	780	944	1200	1400	1660	2300	2780	3540	57.2
	SMP2250	780	944	1200	1400	1660	2300	2780	3540	57.2

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 desulfurization
- 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 连接尺寸 喷嘴编号 喷射角度 材料代码
 Connecting standard Connecting size Nozzle No. Spray angle 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")

材料代码 Material:

316L: 316 不锈钢 Stainless steel

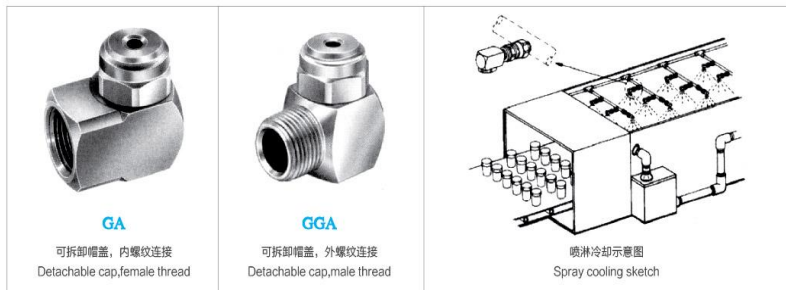
BRASS: 黄铜 BRASS

PP: 聚丙烯 Polypropylene

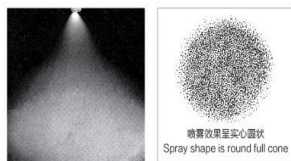
TEF: 聚四氟乙烯 Teflon

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.



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 Nozzle type	连接尺寸 Connect size	材料代码 Material code	流量代码 Flow code	
				SS: 303 不锈钢 303 stainless steel 316SS: 316 不锈钢 316 stainless steel BRASS: 黄铜

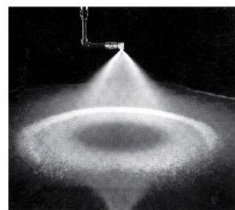
性能数据 Performance Data

标准角 Standard Angle

喷嘴入口 接头尺寸 Inlet Connector size	喷嘴型号 Nozzle Type		流量代码 Flow code	额定 喷嘴 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 rate L/min @ Pressure bar												
	GA	GGA				0.5bar	0.7bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
1/8	●	●	1	0.79	0.64													
	●	●	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°
1/4	●	●	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°
	●	●	6.5	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°
	●	●	22	4.5	2.8	7.2	8.4	11.9	13.6	16.4	18.7	21	23	24	28	87°	90°	82°
1/2	●	●	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	流量代码 Flow code	喷嘴型号 Nozzle Type		额定 喷嘴孔径 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		
		GA	GGA			Flow rate L/min @ Pressure bar												
						0.3bar	0.5bar	0.7bar	1bar	2bar	3bar	4bar	5bar	6bar	0.3bar	0.7bar	6bar	
1/8	4.3W	●	●	2.0	1.0			1.6	1.9	2.6	3.1	3.5	3.9	4.2		120°	102°	
	5.6W	●	●	2.4	1.0		1.8	2.1	2.5	3.4	4.0	4.6	5.1	5.5		120°	102°	
	8W	●	●	2.4	1.3		2.6	3.0	3.6	3.6	4.8	5.8	6.6	7.2		120°	103°	
1/4	10W	●	●	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°	
	12W	●	●	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°	
	14W	●	●	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°	
3/8	20W	●	●	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°	
	24W	●	●	4.8	2.4	6.3	7.9	9.1	10.7	14.5	17.3	19.7	22	24	114°	120°	104°	
	27W	●	●	5.2	2.8	7.1	8.9	10.3	12.0	16.3	19.5	22	24	26	114°	120°	106°	
1/2	35W	●	●	6.0	3.2	9.2	11.5	13.3	15.6	21	25	29	32	34	114°	120°	108°	
	40W	●	●	6.4	3.2	10.5	13.1	15.2	17.8	24	29	33	36	39	114°	120°	108°	
	45W	●	●	6.4	3.6	11.8	14.8	17.1	20	27	33	37	41	44	114°	120°	110°	
	50W	●	●	6.7	4.0	13.1	16.4	19.1	22	30	36	41	45	49	114°	120°	112°	



中小流量空心锥形喷嘴-A/AA系列

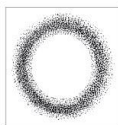
Medium And Low Flow Rate Hollow Cone Nozzle--A/AA Series

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，喷射区域成空心圆锥状
- 喷雾颗粒细小且非常均匀
- 水从喷嘴入口进入后，沿滴流通道喷射出，内部无任何叶片等障碍物，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 is two choices: Standard angle and wide angle.

A

内螺纹连接，中小流量

Female connect, medium and small flow



AA

外螺纹连接，中小流量

Male connect, medium and small flow



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

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 316 stainless steel

BRASS: 黄铜

PVC: 聚氯乙稀

TEF: 聚四氟乙稀

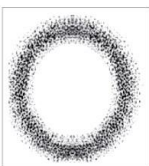
性能数据 Performance Data

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 喷嘴 孔径 Rated spray hole Dia (mm)	流量 (升/分) Flow rate(L/min)										喷射角度 Spray angle			
		A	AA				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												58°	69°
	1	●	●	●	●	1.6	2.6												58°	69°
	2	●	●	●	●	2.0	2.0												58°	69°
	3	●	●	●	●	2.4	2.4												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°	67°	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												53°	67°
	2	●	●	●	●	2.0	2.0												58°	71°
	3	●	●	●	●	2.4	2.4												58°	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°	69°	73°
	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	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°	72°	75°
	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	63°	70°	74°
	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°	76°
	40	●	●	●	●	9.5	9.2	8.2	11.8	16.2	20	23	28	33	37	41	45	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°

广角 Wide 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 喷嘴 孔径 Rated spray hole Dia (mm)	流量 (升/分) Flow rate(L/min)										喷射角度 Spray angle			
		A	AA	SSVSE	SS			0.2bar	0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar	
1/8	0.5-0.5W	●	●	●	●	●	0.79	1.2											117°	98°	
	1-1W	●	●	●	●	●	1.6	1.6											125°	110°	
	2-3W	●	●	●	●	●	2.0	2.8	0.81	1.1	1.4	1.5	2.0	2.3	2.9	114°	114°	114°	110°	95°	
	3-3W	●	●	●	●	●	2.4	2.8	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.7	114°	114°	114°	
	3-5W	●	●	●	●	●	2.4	3.2	1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.0	116°	110°	95°	
	2-10W	●	●	●	●	●	2.0	4.4	1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	5.0	130°	135°	120°	
	5-5W	●	●	●	●	●	3.2	3.2	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.5	6.1	116°	110°	92°	
	5-10W	●	●	●	●	●	3.2	4.4	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	126°	95°		
	8-10W	●	●	●	●	●	4.0	4.4	2.9	4.0	5.0	5.8	7.1	8.5	9.2	10.0	10.8	128°	112°	90°	
	1-1W	●	●	●	●	●	1.6	1.6	1.8	0.46	0.60	0.64	0.79	0.91	1.1	1.2	1.2	117°	111°	111°	
1/4	1-5W	●	●	●	●	●	1.6	3.2	0.77	0.95	1.1	1.3	1.5	1.7	1.9	2.0	2.2	123°	124°	124°	
	1-10W	●	●	●	●	●	1.6	4.4	0.96	1.2	1.4	1.7	1.9	2.1	2.3	2.5	144°	139°	139°		
	1-15W	●	●	●	●	●	1.6	5.6	1.1	1.3	1.5	1.9	2.2	2.4	2.7	2.9	128°	132°	132°		
	2-5W	●	●	●	●	●	2.0	3.2	1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.0	118°	113°	113°	
	2-10W	●	●	●	●	●	2.0	4.4	1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	5.0	138°	136°	126°	
	5-5W	●	●	●	●	●	3.6	3.2	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.5	6.1	116°	110°	95°	
	5-10W	●	●	●	●	●	3.6	4.4	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	130°	130°	119°	
	5-15W	●	●	●	●	●	3.6	5.6	1.3	2.5	3.5	4.3	5.0	6.1	7.0	7.8	8.6	9.3	132°	120°	120°
	8-10W	●	●	●	●	●	4.0	4.4	1.6	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	129°	122°	103°
	10-10W	●	●	●	●	●	4.8	4.4	1.8	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	120°	108°	95°
3/8	10-15W	●	●	●	●	●	4.0	5.6	2.0	3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.2	129°	122°	107°
	15-15W	●	●	●	●	●	4.8	5.6	2.2	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.6	120°	108°	97°
	15-18W	●	●	●	●	●	4.8	5.6	2.4	4.3	6.3	7.4	8.7	10.7	11.7	13.1	14.7	16.0	107°	100°	101°
	5-10W	●	●	●	●	●	4.8	4.4	3.0	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	130°	123°	102°
	5-15W	●	●	●	●	●	6.0	5.6	1.3	2.5	3.5	4.3	5.0	6.1	7.0	7.8	8.6	9.3	138°	131°	112°
	8-10W	●	●	●	●	●	3.6	4.4	1.6	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	121°	110°	96°
	10-10W	●	●	●	●	●	3.6	4.4	1.8	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	116°	108°	93°
	8-15W	●	●	●	●	●	4.4	5.6	2.0	3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.2	132°	120°	105°
	10-15W	●	●	●	●	●	5.2	5.6	2.2	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.6	126°	115°	100°
	8-25W	●	●	●	●	●	4.4	7.5	2.4	4.9	7.2	8.4	10.3	12.4	14.3	16.1	17.9	19.7	124°	117°	104°
1/2	10-20W	●	●	●	●	●	5.2	6.0	2.9	4.5	6.4	7.8	9.0	11.1	12.8	14.5	16.6	18.9	112°	102°	102°
	15-15W	●	●	●	●	●	6.0	5.6	3.0	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.0	116°	106°	95°
	15-20W	●	●	●	●	●	6.0	6.0	3.4	5.5	7.7	9.5	11.0	13.4	15.5	17.3	19.0	20.4	113°	108°	98°
	20-20W	●	●	●	●	●	7.1	6.0	4.1	6.4	9.1	11.2	12.9	15.8	18.2	20	22	24.1	106°	102°	95°
	15-30W	●	●	●	●	●	6.0	7.9	4.5	7.1	10.0	12.3	14.2	17.4	20	22	25	26.5	116°	110°	102°
	25-30W	●	●	●	●	●	7.5	7.5	5.1	8.1	11.4	14.0	16.0	19.7	23	25	28	30.2	105°	100°	89°
1/2	25-30W	●	●	●	●	●	7.5	9.0	5.7	9.0	12.8	15.0	17.6	22	26	29	31	33.9	105°	101°	94°
	50-50W	●	●	●	●	●	9.5	11.1	10.2	16.1	23	28	32	39	46	51	56	60.9	110°	102°	93°



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
- 清洗
- 冷却
- 烟气洗涤
- 喷淋塔喷淋
- 加湿
- 除尘
- Smoke washing
- Defoaming
- Cleaning
- Cooling
- Dusting
- Spray tower
- Humidifying

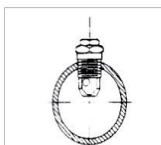
BD

标准角度 Standard angle

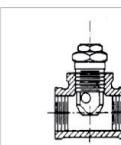


BD-W

广角度 Wide angle



安装在管座上
Install on pipe seat



安装在管接头上
Install on the pipe connector

推荐附件 Recommended Accessories

拼合孔连接器 Connector



可替代螺纹焊接底座, 有防泄漏垫圈
Can replace threaded weld base, with leakproof joint ring

可调球接头 Adjustable ball connector



具有万向可调位置, 方便控制喷嘴的喷射方向
Adjustable position in all direction, easy to control the spray angle

订购资料 Order information

BD	1/2	SS	10
喷嘴类型 Nozzle type	连接尺寸 Connect size	材料代码 Material code	流量代码 Flow code

材料代码:

SS: 303 不锈钢 303 stainless steel

316SS: 316 不锈钢 316 stainless steel

BRASS: 黄铜

PVC: 聚氯乙烯

TEF: 聚四氟乙烯

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	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	
	BD				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°
	●	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 @ 压力 bar Flow rate L/min @ Pressure bar												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	3-2W	2.4	2.0	-	0.73	0.84	1.0	1.2	1.4	1.7	2.0	2.2	2.5	2.7	112°	109°	90°
	3-3W	2.4	2.8	-	0.96	1.1	1.4	1.7	1.9	2.4	2.7	3.1	3.4	3.6	115°	112°	97°
	3-5W	2.4	3.2	-	1.1	1.3	1.6	1.9	2.2	2.7	3.1	3.5	3.8	4.2	117°	113°	103°
	5-5W	2.8	3.2	-	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.0	5.6	6.1	115°	112°	102°
	5-10W	2.8	4.4	-	2.1	2.5	3.0	3.6	4.1	5.1	6.0	6.5	7.2	8.0	119°	119°	109°
	8-8W	3.9	3.9	-	2.6	3.1	3.6	4.4	5.2	6.3	7.4	8.3	9.0	9.5	116°	110°	98°
	8-10W	3.9	4.4	-	2.9	3.4	4.1	5.1	6.0	7.1	8.2	9.1	9.9	10.7	118°	113°	101°
	10-10W	3.9	4.4	-	3.2	3.8	4.5	5.5	6.3	7.9	9.3	10.2	11.0	11.8	118°	111°	100°
1/2	5-3W	3.2	2.8	0.67	1.0	1.2	1.5	1.8	2.0	2.5	2.9	3.2	3.5	3.8	114°	110°	96°
	5-5W	3.2	3.2	1.0	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.0	5.6	6.1	115°	112°	102°
	8-8W	3.9	3.9	1.6	2.6	3.1	3.6	4.4	5.2	6.3	7.4	8.3	9.0	9.5	119°	113°	103°
	10-15W	4.4	5.6	2.5	3.9	4.6	5.6	6.7	7.8	9.5	11.1	12.3	13.4	14.5	120°	112°	102°
	15-15W	4.4	5.6	3.0	5.0	5.7	6.7	8.3	9.7	11.9	14.1	15.4	16.7	18.3	117°	111°	104°

注: 如无特殊说明, 连接尺寸, 一般均为标准英制螺纹 (BSPT)。如果需要美制螺纹 (NPT), 请另加标注。如需非标喷嘴, 请与我公司联系。

Remark: If there is no special remark, connect size is UK system thread (BSPT). If you need US system thread (NPT), please mark out specially.

扇形喷嘴 Flat fan nozzle

标准型 Standard type



H-VV

小流量

1/8 英寸-1/4 英寸 NPT 或 BSPT(外)
1/8" -1/4" NPT or BSPT(Male)



H-VV

配带过滤器 With filter

1/8" - 1/4" NPT or BSPT (Male)



H-U

中流量 Medium flow

1/8" -3/4" NPT or BSPT (Male)

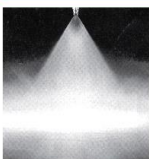


U

大流量 High flow

1/8" -2" NPT or BSPT(Male)

设计特点 Design Feature

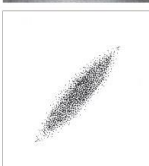


标准扇形喷嘴的特点是能产生高冲击力的液柱流或扇形喷雾。喷射角度： 0° — 110° 。

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-VWL 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
- Cleaning
- Air and gas purifier
- Scourers
- Liquid cleaner
- Dust control
- Fireproof

附件 Accessory



材料 Material

材料 Material	材料代碼 Material code	VEEJET®			
		H-VV	H-VVL	H-U	U
黃銅 Brass		●	●	●	●
軟鋼 Soft steel				●	●
303 不銹鋼 stainless steel	SS	●	●	●	●
316 不銹鋼 stainless steel	316SS		●	●	●
聚氯乙烯 PVC	PVC			●	

扇形喷嘴 Flat fan nozzle

性能数据 Performance Data

喷嘴规格 (3 bar) Spray angle at 3 bar	流量大小 Flow code	VEE-JET 喷嘴										等效喷嘴 Equivalent Orifice (d)	流量 (L/min) / 公升/分 Flow (L/min)										喷射角度 Spray angle						
		喷嘴型号/口径/接头																											
		H-V		H-VL		H-U		U																					
		1/8"	1/4"	1/8"	1/4"	1/8"	1/4"	3/8"	1/2"	3/4"	1"		1 1/4"	1 1/2"															
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°	
	11005	●	●	●	●	●	●	●	●	●	●	●	0.91	0.16	0.37	0.48	0.56	0.64	0.80	1.0	1.1	2.0	2.7	97°	110°	121°	124°		
	11010	●	●	●	●	●	●	●	●	●	●	●	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°	
	11006	●	●	●	●	●	●	●	●	●	●	●	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°	
	11005	●	●	●	●	●	●	●	●	●	●	●	1.5	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°	
	11010	●	●	●	●	●	●	●	●	●	●	●	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°	
	11004	●	●	●	●	●	●	●	●	●	●	●	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°	120°	
	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°	
	95200	●	●	●	●	●	●	●	●	●	●	●	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°	95050	●	●	●	●	●	●	●	●	●	●	●	0.46	0.16	0.27	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	95°	105°	113°	115°		
	95015	●	●	●	●	●	●	●	●	●	●	●	0.66	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.5	98°	105°	113°	115°	
	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	95°	103°	107°	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	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100°	105°	
	9520	●	●	●	●	●	●	●	●	●	●	●	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	100°	105°		
	9530	●	●	●	●	●	●	●	●	●	●	●	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	91°	95°	101°	105°	
	9540	●	●	●	●	●	●	●	●	●	●	●	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	100°	105°	
	9550	●	●	●	●	●	●	●	●	●	●	●	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	99°	103°	
	9560	●	●	●	●	●	●	●	●	●	●	●	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	99°	103°	
	9570	●	●	●	●	●	●	●	●	●	●	●	6.2	9.7	16.2	23	28	32	36	42	50	39	52	74	92°	95°	99°	103°	
	95100	●	●	●	●	●	●	●	●	●	●	●	6.4	12.5	23	32	39	46	51	56	60	72	102	135	93°	95°	99°	102°	
	95150	●	●	●	●	●	●	●	●	●	●	●	7.5	18.7	34	48	59	68	76	84	90	108	153	205	93°	95°	99°	102°	
	73°	80050	●	●	●	●	●	●	●	●	●	●	●	0.46	0.11	0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67	61°	80°	95°	101°	
80087		●	●	●	●	●	●	●	●	●	●	●	0.53	0.15	0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.95	67°	80°	94°	99°		
80092		●	●	●	●	●	●	●	●	●	●	●	0.62	0.22	0.39	0.46	0.51	0.56	0.60	0.72	1.3	1.8	2.5	3.1	46°	80°	92°	97°	
80015		●	●	●	●	●	●	●	●	●	●	●	0.79	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	2.6	88°	80°	88°	92°	
8002		●	●	●	●	●	●	●	●	●	●	●	0.91	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	69°	80°	88°	91°	
8003		●	●	●	●	●	●	●	●	●	●	●	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	70°	80°	87°	90°	
8004		●	●	●	●	●	●	●	●	●	●	●	1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	71°	80°	86°	89°	
8005		●	●	●	●	●	●	●	●	●	●	●	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	71°	80°	86°	89°	
8006		●	●	●	●	●	●	●	●	●	●	●	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	72°	80°	85°	88°	
8008		●	●	●	●	●	●	●	●	●	●	●	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	72°	80°	84°	87°	
65°	8010	●	●	●	●	●	●	●	●	●	●	●	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	73°	80°	84°	87°	
	8015	●	●	●	●	●	●	●	●	●	●	●	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	73°	80°	83°	86°	
	8020	●	●	●	●	●	●	●	●	●	●	●	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	74°	80°	83°	86°		
	8030	●	●	●	●	●	●	●	●	●	●	●	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	74°	80°	83°	86°	
	8040	●	●	●	●	●	●	●	●	●	●	●	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	74°	80°	83°	86°	
	8050	●	●	●	●	●	●	●	●	●	●	●	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	74°	80°	83°	85°	
	8060	●	●	●	●	●	●	●	●	●	●	●	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	75°	80°	83°	85°	
	8070	●	●	●	●	●	●	●	●	●	●	●	6.2	9.7	16.2	23	28	32	36	42	50	39	52	74	92°	80°	83°	86°	
	80100	●	●	●	●	●	●	●	●	●	●	●	6.4	12.5	23	32	39	46	51	56	60	72	102	138	75°	80°	83°	86°	
	80150	●	●	●	●	●	●	●	●	●	●	●	7.5	18.7	34	48	59	68	76	84	90	108	153	205	73°	80°	84°	86°	
55°	80200	●	●	●	●	●	●	●	●	●	●	●	8.7	25	46	64	79	91	102	112	121	144	205	270	74°	80°	82°	85°	
	80400	●	●	●	●	●	●	●	●	●	●	●	12.7	50	91	129	158	182	205	225	240	290	410	540	78°	80°	81°	83°	
	80500	●	●	●	●	●	●	●	●	●	●	●	1.56	0.18	0.29	0.35	0.39	0.43	0.46	0.55	0.68	0.95	1.35	1.7	2.1	55°	73°	78°	81°
	730154	●	●	●	●	●	●	●	●	●	●	●	0.81	0.19	0.35	0.50	0.61	0.70	0.78	0.86	0.93	1.1	1.5	2.1	2.5	73°	74°	84°	88°
	730231	●	●	●	●	●	●	●	●	●	●	●	1.0	0.29	0.53	0.74	0.91	1.1	1.2	1.3	1.4	1.7	2.4	3.1	3.6	73°	73°	83°	87°
	730308	●	●	●	●	●	●	●	●	●	●	●	1.1	0.38	0.70	0.99	1.2	1.4	1.6	1.7	1.9	2.2	3.1	4.2	4.8	73°	82°	86°	89°
	730482	●	●	●	●	●	●	●	●	●	●	●	1.4	0.58	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.3	4.7	6.2	60°	73°	80°	84°	
	730707	●	●	●	●	●	●	●	●	●	●	●	1.8	0.8	0.96	1.4	1.8	2.5	2.9	3.0	3.3	4.3	5.5	7.2	54°	73°	77°	82°	
	650050	●	●	●	●																								

扇形喷嘴 Flat fan nozzle

性能数据 Performance Data

喷射角度 (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		等效喷嘴 孔径 Equivalent orifice dia.	流量 (升/分) Flow (L/min)													喷射角度 Spray angle		
		H-VV	H-VVL		流量 (升/分) Flow (L/min)															
		1/8	1/4	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-3/4	3	3-1/4			
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	0.68	0.79	0.94	0.96	1.1	1.5	2.0	2.7	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°	50°	56°	
	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°	
	4010	●	●	●	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°
	4015	●	●	●	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°
	4020	●	●	●	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	32°	40°	45°	48°
	4030	●	●	●	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	32°	40°	45°	48°
	4040	●	●	●	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	33°	40°	45°	48°
	4050	●	●	●	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	34°	40°	45°	48°
	4060	●	●	●	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	35°	40°	45°	48°
	4070	●	●	●	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	35°	40°	45°	48°
	40100	●	●	●	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	35°	40°	45°	48°
	40150	●	●	●	6.4	12.5	23	32	39	46	51	56	60	72	102	135	34°	40°	43°	46°
	40200	●	●	●	7.5	18.7	34	48	59	68	76	84	90	108	153	205	35°	40°	43°	44°
	40250	●	●	●	8.7	25	46	64	79	91	102	112	121	144	205	270	36°	40°	42°	44°
25°	2501	●	●	●	0.66	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	14°	25°	34°	42°		
	2502	●	●	●	0.91	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	15°	25°	33°	40°	
	2503	●	●	●	1.1	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	15°	25°	33°	40°	
	2504	●	●	●	1.3	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	16°	25°	32°	39°	
	2505	●	●	●	1.4	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	16°	25°	32°	39°	
	2506	●	●	●	1.6	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	17°	25°	31°	38°	
	2508	●	●	●	1.8	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	17°	25°	31°	38°	
	2510	●	●	●	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	18°	25°	31°	37°	
	2515	●	●	●	2.4	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	18°	25°	31°	37°	
	2520	●	●	●	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	19°	25°	31°	37°
	2530	●	●	●	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	20°	25°	30°	36°
	2540	●	●	●	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	21°	25°	29°	35°
	2550	●	●	●	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	21°	25°	29°	35°
	2560	●	●	●	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	22°	25°	29°	35°
	2570	●	●	●	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	22°	25°	29°	35°
	25100	●	●	●	6.4	12.5	23	32	39	46	51	56	60	72	102	135	23°	25°	28°	32°
	25150	●	●	●	7.5	18.7	34	48	59	68	76	84	90	108	153	205	24°	25°	28°	30°
	25200	●	●	●	8.7	25	46	64	79	91	102	112	121	144	205	270	24°	25°	28°	29°
	25500	●	●	●	13.1	62	114	161	197	230	255	280	300	360	510	680	24°	25°	26°	29°
25750	●	●	●	15.9	94	171	240	295	340	385	420	455	540	770	1010	24°	25°	26°	28°	
251000	●	●	●	18.7	125	230	325	395	455	510	560	610	720	1020	1350	24°	25°	26°	28°	
15°	1501	●	●	●	0.66	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	15°	24°	28°			
	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	2.0	1.6	2.3	2.5	2.8	3.0	3.6	4.3	6.1	8.1	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	1.4	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	●	●	●	3.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	21°	15°	1			

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

性能数据 Performance Data



东流喷嘴 (3巴时) Spray angle at 3 bar	流量大小 Flow	等效孔口 孔口 Equivalent orifice dia.	流量 (升/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			
110°	110001	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°	119°			
	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°			
95°	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°			
	11030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	105°	110°	117°	118°			
	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°	113°			
	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°	111°			
	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°	108°			
	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°	107°			
	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°	106°			
80°	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°			
	9515	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	90°	95°	100°	105°			
	9520	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	90°	95°	100°	105°			
	9530	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	30	40	91°	95°	101°	105°			
	9540	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	92°	95°	100°	105°			
	9550	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	93°	95°	99°	103°			
	9560	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	93°	95°	99°	103°			
	9570	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	93°	95°	99°	103°			
	800050	0.46	0.11	0.16	0.20	0.23	0.25	0.28	0.30	0.36	0.51	0.67	0.91	80°	95°	101°				
	800067	0.53	0.15	0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90	0.71	80°	94°	99°				
73°	8001	0.66	0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	68°	80°	89°	92°				
	80015	0.79	0.34	0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	68°	80°	89°	92°				
	8002	0.91	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	69°	80°	88°	91°			
	8003	1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	70°	80°	87°	90°			
	8004	1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	71°	80°	86°	89°			
	8005	1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	71°	80°	86°	89°			
	8006	1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	72°	80°	85°	88°			
	8008	1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	72°	80°	84°	87°			
	8010	2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	73°	80°	84°	87°			
	8015	2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	74°	80°	83°	86°			
25°	8020	2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	74°	80°	83°	86°			
	8030	3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	74°	80°	83°	86°			
	8040	4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	74°	80°	83°	86°			
	8050	4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	74°	80°	83°	86°			
	8060	4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	75°	80°	83°	86°			
	8070	5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	75°	80°	83°	86°			
	730023	0.30	0.05	0.07	0.09	0.10	0.11	0.12	0.14	0.17	0.23	0.31	0.50	73°	89°	97°				
	730039	0.41	0.09	0.13	0.15	0.18	0.20	0.22	0.24	0.28	0.40	0.53	0.73	73°	87°	93°				
	730077	0.56	0.18	0.25	0.30	0.35	0.39	0.43	0.46	0.55	0.78	1.0	1.3	73°	86°	92°				
	730116	0.71	0.14	0.26	0.37	0.46	0.53	0.59	0.65	0.70	0.84	1.2	1.6	54°	73°	85°	90°			
73°	730154	0.81	0.19	0.35	0.50	0.61	0.70	0.78	0.86	0.93	1.1	1.6	2.1	55°	73°	84°	88°			
	730231	1.0	0.29	0.53	0.74	0.91	1.1	1.2	1.3	1.4	1.7	2.4	3.1	56°	73°	83°	87°			
	730308	1.1	0.38	0.70	0.99	1.2	1.4	1.6	1.7	1.9	2.2	3.1	4.2	58°	73°	82°	86°			
	730385	1.3	0.48	0.88	1.2	1.5	1.8	2.0	2.1	2.3	2.8	3.9	5.2	59°	73°	81°	85°			
	730462	1.4	0.58	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.3	4.7	6.2	60°	73°	80°	84°			
	730616	1.7	0.77	1.4	2.0	2.4	2.8	3.1	3.4	3.7	4.4	6.3	8.3	63°	73°	79°	83°			
	730770	1.8	0.96	1.8	2.5	3.0	3.5	3.9	4.3	4.6	5.5	7.8	10.4	64°	73°	77°	82°			
730924	2.0	1.2	2.1	3.0	3.6	4.2	4.7	5.2	5.6	6.7	9.4	12.5	65°	73°	77°	80°				

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

性能数据 Performance Data

喷嘴角度 (3 巴时) Spray angle at 3 bar	流量大小 Flow	等效喷嘴 孔直径 Equivalent orifice dia.	流量 (升 / 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°			
	500017	0.28			0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.17	0.27	50°	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°			
50°	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	30°	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	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°			
40°	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°		
	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°			
40°	4002	0.91	0.46		0.64	0.79	0.94	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	2.8	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	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°	45°	48°			
	4050	4.4	6.2	11.4	16.1	19.7	23	25	33	30	36	51	68	34°	40°	45°	48°			
25°	4060	4.8	7.5	13.7	19.3	24	27	31	39	36	43	61	81	35°	40°	45°	48°			
	4070	5.2	8.7	16.0		23	28	32	36	0.09	42	50	71	94	35°	40°	45°	48°		
	250017	0.28			0.05	0.06	0.07	0.08	0.14	0.10	0.12	0.17	0.23	25°	35°	47°				
	250025	0.33			0.08	0.10	0.11	0.13	0.18	0.15	0.18	0.25	0.34	25°	35°	45°				
	250033	0.38			1.11	0.13	0.15	0.17	0.28	0.20	0.24	0.34	0.44	25°	34°	44°				
	250050	0.46			0.16	0.20	0.23	0.25	0.37	0.30	0.36	0.51	0.67	25°	34°	43°				
	250067	0.53			0.22	0.26	0.31	0.34	0.53	0.40	0.48	0.68	0.90	25°	34°	42°				
	2501	0.66			0.32	0.39	0.46	0.51	0.83	0.60	0.72	1.0	1.3	14°	25°	34°	42°			
	25015	0.79	0.34		0.48	0.59	0.68	0.76	1.1	0.90	1.1	1.5	2.0	15°	25°	34°	41°			
	2502	0.91	0.46		0.64	0.79	0.91	1.0	1.7	1.2	1.4	2.0	2.7	15°	25°	33°	40°			
	2503	1.1	0.68		0.97	1.2	1.4	1.5	2.2	1.8	2.2	3.1	4.0	15°	25°	33°	40°			
	2504	1.3	0.91	1.3	1.6	1.8	2.0	2.8	2.4	2.9	4.1	5.4	16°	25°	32°	39°				
2505	1.4	1.1	1.6	2.0	2.3	2.5	3.3	3.0	3.6	5.1	6.7	16°	25°	32°	39°					
2506	1.6	1.4	1.9	2.4	2.7	3.1	3.6	4.3	6.1	8.1	8.1	17°	25°	31°	38°					



MEG

中流量 Medium flow
1/8 英寸 - 3/4 英寸 NPT 或 BSPT (外)
1/8 " - 3/4 " NPT or BSPT (Male)



MEG

大流量 High flow
1/8 英寸 - 2 英寸 NPT 或 BSPT (外)
1/8 " - 2 " NPT or BSPT (Male)

性能数据 Performance Data

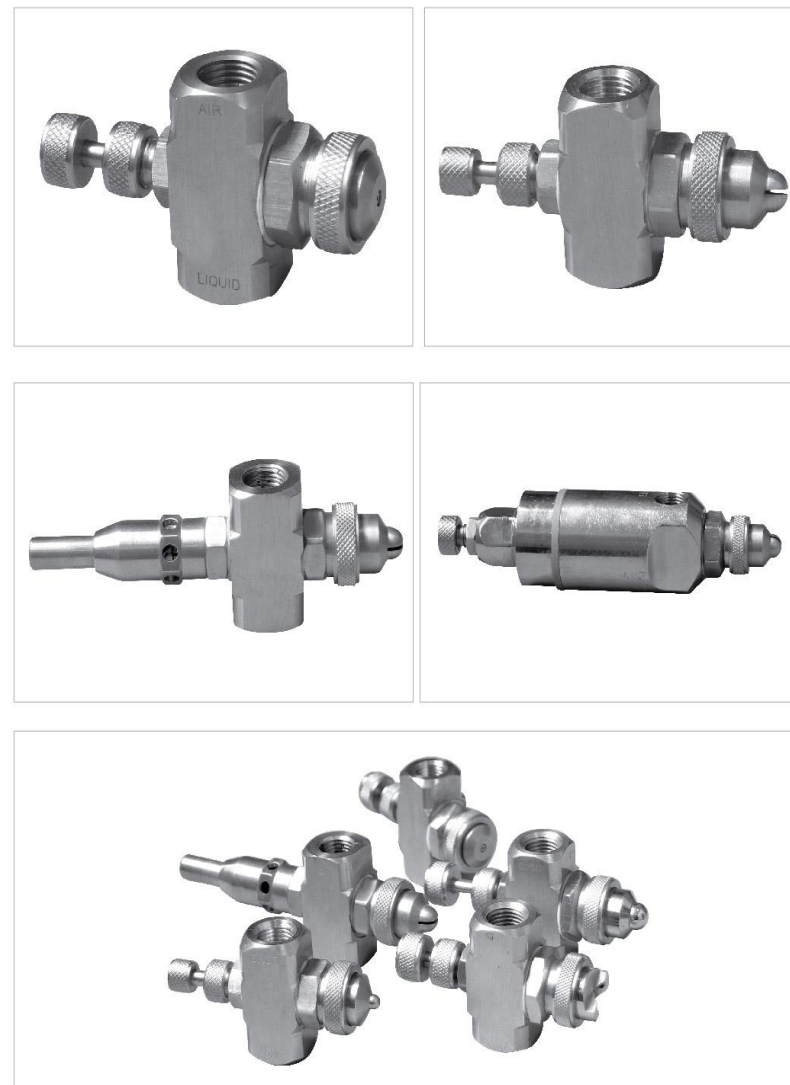
等效 喷嘴 孔径 mm	喷嘴型号和喷射角度																		流量 编 码	流量L/min@压力bar									
	1/8MEG						1/4MEG						1/4MEG-SSTC																
	0°	15°	25°	40°	50°	65°	0°	15°	25°	40°	50°	65°	0°	15°	25°	40°	50°	65°		25 bar	30 bar	35 bar	40 bar	50 bar	60 bar	70 bar	100 bar	150 bar	200 bar
0.91	•	•	•				•	•	•				•	•					02	2.3	2.5	2.7	2.9	3.2	3.5	3.8	4.6	5.6	6.4
1.1	•	•	•	•	•		•	•	•	•	•		•	•					03	3.4	3.7	4	4.3	4.8	5.3	5.7	6.8	8.4	9.7
1.3	•	•	•	•	•		•	•	•	•	•		•	•	•				04	4.6	5	5.4	5.8	6.4	7.1	7.6	9.1	11.2	12.9
1.35	•	•	•	•	•		•	•	•	•	•		•	•	•				045	5.1	5.6	6.1	6.5	7.3	7.9	8.6	10.3	12.6	14.5
1.4	•	•	•	•	•		•	•	•	•	•		•	•	•	•		•	05	5.7	6.2	6.7	7.2	8.1	8.8	9.5	11.4	14	16.1
1.5	•	•	•	•	•		•	•	•	•	•		•	•	•				055	6.3	6.9	7.4	7.9	8.9	9.7	10.5	12.5	15.4	17.7
1.6	•	•	•	•	•		•	•	•	•	•		•	•	•				06	6.8	7.5	8.1	8.6	9.7	10.6	11.4	13.7	16.7	19.3
1.65	•	•	•	•	•		•	•	•	•	•		•	•	•				065	7.4	8.1	8.8	9.4	10.5	11.5	12.4	14.8	18.1	21
1.7	•	•	•	•	•		•	•	•	•	•		•	•	•			•	07	8	8.7	9.4	10.1	11.3	12.4	13.3	16	19.5	23
1.75	•	•	•	•	•		•	•	•	•	•		•	•	•				075	8.5	9.4	10.1	10.8	12.1	13.2	14.3	17.1	21	24
1.8	•	•	•	•	•		•	•	•	•	•		•	•	•	•			08	9.1	10	10.8	11.5	12.9	14.1	15.3	18.2	22	26
1.85	•	•	•	•	•		•	•	•	•	•		•	•	•				085	9.7	10.6	11.5	12.3	13.7	15	16.2	19.4	24	27
1.9	•	•	•	•	•		•	•	•	•	•		•	•	•				09	10.3	11.2	12.1	13	14.5	15.9	17.2	21	25	29
1.95	•	•	•	•	•		•	•	•	•	•		•	•	•				095	10.8	11.9	12.8	13.7	15.3	16.8	18.1	22	27	31
2	•	•	•	•	•		•	•	•	•	•		•	•	•	•			10	11.4	12.5	13.5	14.4	16.1	17.7	19.1	23	28	32
2.05	•	•	•	•	•		•	•	•	•	•		•	•	•				11	12.5	13.7	14.8	15.9	17.7	19.4	21	25	31	35
2.1	•	•	•	•	•		•	•	•	•	•		•	•	•				115	13.1	14.4	15.5	16.6	18.5	20	22	26	32	37
2.15	•	•	•	•	•		•	•	•	•	•		•	•	•			•	12	13.7	15	16.2	17.3	19.3	21	23	27	33	39
2.2	•	•	•	•	•		•	•	•	•	•		•	•	•				125	14.2	15.6	16.9	18	20	22	24	28	35	40
2.25	•	•	•	•	•		•	•	•	•	•		•	•	•				13	14.8	16.2	17.5	18.7	21	23	25	30	36	42
2.3	•	•	•	•	•		•	•	•	•	•		•	•	•				14	16	17.5	18.9	20	23	25	27	32	39	45
2.4	•	•	•	•	•		•	•	•	•	•		•	•	•				15	17.1	18.7	20	22	24	26	29	34	42	48
2.5	•	•	•	•	•		•	•	•	•	•		•	•	•				16	18.2	20	22	23	26	28	31	36	45	52
2.6	•	•	•	•	•		•	•	•	•	•		•	•	•				18	21	22	24	26	29	32	34	41	50	58
2.8	•	•	•	•	•		•	•	•	•	•		•	•	•				20	23	25	27	29	32	35	38	46	56	64
3.2	•	•	•	•	•		•	•	•	•	•		•	•	•				25	28	31	34	36	40	44	48	57	70	81
3.6	•	•	•	•	•		•	•	•	•	•		•	•	•				30	34	37	40	43	48	53	57	68	84	97
3.8	•	•	•	•	•		•	•	•	•	•		•	•	•				35	40	44	47	50	56	62	67	80	98	113
4	•	•	•	•	•		•	•	•	•	•		•	•	•				40	46	50	54	58	64	71	76	91	112	129
4.4	•	•	•	•	•		•	•	•	•	•		•	•	•				50	57	62	67	72	81	88	95	114	140	161
4.8	•	•	•	•	•		•	•	•	•	•		•	•	•				60	68	75	81	86	97	106	114	137	167	193
5.2	•	•	•	•	•		•	•	•	•	•		•	•	•				70	80	87	94	101	113	124	133	160	195	225
5.6	•	•	•	•	•		•	•	•	•	•		•	•	•				80	91	100	108	115	129	141	153	182	225	260
6	•	•	•	•	•		•	•	•	•	•		•	•	•				90	103	112	121	130	145	159	172	205	250	290

订购资料 Order information

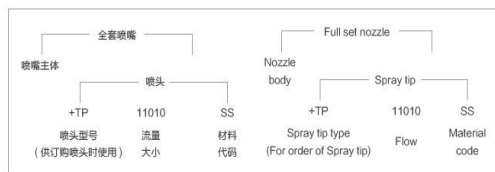


性能数据 Performance Data

噴霧角度 (3 巴時) Spray angle at 3 bar	流量大小 Flow	等效噴孔 直径 Equivalent orifice dia.	流量 (升 / 公分) Flow (L/min)														噴射角度 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			0° 液柱流				
	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								



订购信息 Order information



滤网网眼选择指导 Screen mesh choice guide	
等效喷嘴孔径 Equivalent orifice dia	建议滤网网眼尺寸 Suggested Screen mesh size
不超过 46 毫米 Less than 46mm	200
47 至 79 毫米 47-79mm	100
80 毫米及更大 More than 80mm	50

空气雾化喷嘴 Air atomizing nozzle

设计特点 Design Feature



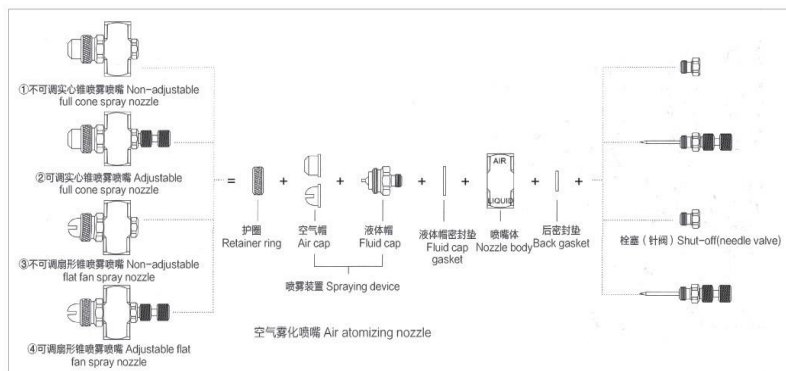
D 系列空气雾化喷嘴特殊的内部结构设计能使液体和气体均匀混合,产生微细液滴尺寸的喷雾或粗液滴喷雾。通常通过增加气体压力或降低液体压力可得到更加微细(30 微米左右)的液滴喷雾,从而导致较高的气体流速与液体流速比。

可调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。

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 30μm) 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

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

订购信息 Order information

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

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

设计特点 Design Feature

对于扇形喷雾流型, "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.

扇形喷雾 Flat fan spray

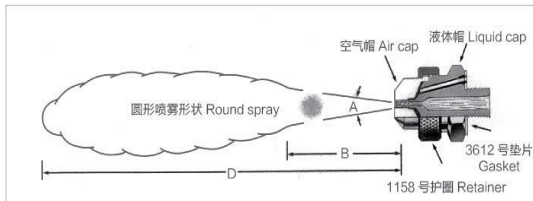


装置号 Spray set-up No.	喷雾装置由 空气帽和液体帽组成 Spray set-up consists of fluid and air cap combination	液体流量(L/小时)和空气流量(L/min) Liquid capacity(L/h) and Air capacity(L/min)												喷嘴尺寸 Spray size														
		0.7bar			1.5bar			2.5bar			3.5bar			4bar			空气 流量 Air flow		液体 流量 Liquid flow		A (mm)		B (mm)		C (mm)		D (mm)	
SU13A	液体帽/Liquid cap	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	46	2.6	3.0	46	66	3.0	4.4	
	2050	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	76	3.2	3.6	56	88	3.6	5.0	
	空气帽/Air cap	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	86	3.4	3.8	56	84	3.4	4.8	
	17338	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	94	3.4	3.8	56	84	3.4	4.8	
	2850	1.4	2.5	40	2.7	3.3	57	3.7	3.2	65	4.6	4.2	85	6.7	3.3	116	6.0	4.0	56	74	94	3.4	3.8	56	84	3.4	4.8	
SU13	液体帽/Liquid cap	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	71	2.1	2.4	46	66	2.6	3.6	
	2850	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	3.0	2.0	51	66	81	2.4	2.8	46	66	2.4	3.6	
	空气帽/Air cap	1.1	5.5	27	2.0	8.5	37	2.7	9.2	47	3.2	15.1	52	5.3	11.5	83	2.0	1.5	43	61	89	2.6	3.0	46	66	2.6	3.6	
	17338	1.3	4.1	30	2.1	9.3	40	3.0	7.1	53	3.5	13.1	57	5.6	9.3	90	3.5	3.0	58	76	97	2.7	3.1	46	66	2.7	3.7	
	2850	1.4	2.9	34	2.2	7.1	43	3.2	4.1	64	4.3	5.2	73	6.2	7.2	119	5.6	4.0	58	76	97	2.7	3.1	46	66	2.7	3.7	
SU13B	液体帽/Liquid cap	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	3.0	3.4	17	20	3.0	3.4	
	2850	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	3.7	4.0	17	20	3.7	4.0	
	空气帽/Air cap	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	4.2	4.8	17	20	4.2	4.8	
	17335	2.0	2.1	44	2.8	4.3	62	3.5	5.5	68	4.2	8.5	82	5.6	9.4	103	5.3	4.0	20	25	33	4.8	5.6	20	25	4.8	5.6	
	2850	2.2	1.2	56	3.4	2.0	75	3.8	2.9	81	6.0	2.3	120	7.0	6.1	134	6.0	4.0	20	25	33	4.8	5.6	20	25	4.8	5.6	
SU14	液体帽/Liquid cap	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	46	1.8	2.1	25	33	1.8	2.1	
	2850	1.4	3.0	33	2.4	5.3	45	3.1	5.3	54	4.2	7.2	67	5.6	8.3	84	2.7	1.5	36	51	69	2.0	2.4	36	51	2.0	2.4	
	空气帽/Air cap	1.7	1.8	38	2.7	3.7	50	3.4	3.8	59	4.9	3.8	80	6.3	5.1	98	5.6	4.0	30	41	74	2.1	2.4	36	51	2.1	2.4	
	17320	1.8	1.3	41	2.8	3.1	52	3.5	3.2	62	4.5	4.2	98	6.3	5.1	98	5.6	4.0	64	76	97	2.3	2.7	64	76	2.3	2.7	
	2850	2.0	0.95	44	3.0	2.6	55	3.9	1.8	68	6.8	1.8	118	6.8	1.8	120	6.8	4.0	64	76	97	2.3	2.7	64	76	2.3	2.7	
SU23	液体帽/Liquid cap	1.0	11.0	23	2.0	24	44	2.4	28	51	3.4	38	72	3.9	65	75	1.1	0.7	10	13	15	2.4	2.8	10	13	2.4	2.8	
	60100	1.1	11.0	27	2.1	18.9	50	2.5	23	59	3.5	33	80	4.2	53	89	2.1	1.5	10	13	17	3.0	3.4	13	17	3.0	3.4	
	空气帽/Air cap	1.3	7.6	33	2.2	14.4	56	2.7	18.3	66	3.7	28	89	4.6	40	108	2.8	2.0	13	17	22	3.4	3.8	13	17	3.4	3.8	
	15340	1.4	3.2	40	2.5	7.2	61	3.0	9.7	79	3.9	19.7	105	5.3	21	149	4.9	4.0	20	25	35	4.0	4.6	20	25	4.0	4.6	
	2850	1.6	2.2	46	3.2	2.5	114	4.2	4.2	131	120	5.6	138	173	5.6	138	173	5.6	4.0	20	25	35	4.0	4.6	20	25	4.0	4.6
SU23B	液体帽/Liquid cap	1.1	11.2	54	2.1	18.0	79	2.7	19.6	93	3.5	27	112	4.6	32	137	1.4	0.7	15	18	20	3.0	3.4	15	18	3.0	3.4	
	40400	1.3	8.5	60	2.2	15.8	84	2.8	17.3	98	3.7	25	116	4.9	28	149	2.4	1.5	23	28	33	3.2	3.6	23	28	3.2	3.6	
	空气帽/Air cap	1.4	6.5	65	2.3	13.6	89	3.0	15.2	103	3.8	23	121	5.3	24	161	3.0	2.0	25	33	46	3.4	3.8	33	46	3.4	3.8	
	125358	1.5	5.0	71	2.5	11.6	95	3.1	13.2	109	3.9	21	126	5.6	19.7	174	3.7	3.0	30	41	64	3.6	4.0	30	41	3.6	4.0	
	2850	1.7	3.8	77	2.7	10.1	114	3.2	11.4	114	4.1	16.9	132	6.0	17.6	187	5.3	4.0	33	41	64	3.8	4.2	33	41	3.8	4.2	
SU23C	液体帽/Liquid cap	0.85	27	33	1.8	36	55	2.4	39	67	3.2	58	76	4.6	59	106	1.1	0.7	18	23	30	3.4	3.8	24	30	3.4	3.8	
	600	1.0	20	38	2.1	28	66	2.7	30	77	3.5	47	87	5.3	42	132	1.5	1.0	23	30	41	3.6	4.0	23	30	3.6	4.0	
	空气帽/Air cap	1.1	15.9	45	2.2	24	71	3.0	24	87	3.8	38	97	5.6	32	145	3.2	2.0	25	33	43	3.7	4.2	25	33	3.7	4.2	
	125328	1.3	12.5	48	2.4	21	76	3.2	17.8	98	3.9	34	103	6.0	26	158	3.9	3.0	30	38	48	3.8	4.2	30	38	3.8	4.2	
	2850	1.4	10.2	52	2.4	17	82	3.4	15.2	103	4.1	36	113	6.3	28	167	4.0	3.0	33	41	51	4.1	4.6	33	41	4.1	4.6	
SU43	液体帽/Liquid cap	2.0	29	90	1.8	56	117	2.1	100	119	3.0	126	140	4.1	140	181	1.0	0.7	18	20	25	3.4	3.8	18	20	3.4	3.8	
	100150	1.1	16.9	108	2.0	40	133	2.2	79	133	3.1	110	151	4.2	125	193	1.8	1.5	25	30	43	3.6	4.0	25	30	3.6	4.0	
	空气帽/Air cap	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	159351	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	2850	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	

设计特点 Design Feature

对于圆形喷雾形状,在“B”距离内喷雾头保持有喷射角度“A”。超出“B”的距离范围以外,喷雾变成湍流,一直喷射到“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,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.



圆形喷雾和偏转形喷雾空气帽
在这些喷雾装置中使用的空气帽产生一个窄小的实心锥形喷雾和偏转形喷雾。
Round spray air cap
The air cap used in these spray set-up produces a narrow full cone round 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.

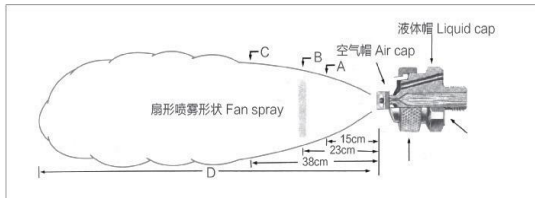
圆形喷雾 Round spray

組別 Spray set-up No.	噴霧裝置描述 Spray set-up consists of fluid and air cap combination	液體流量(升/小時)和空氣流量(升/分) Liquid capacity(L/h)and Air capacity(L/min)												噴霧尺寸 Spray size							
		0.7bar				1.5bar				3bar				4bar				噴霧角度 Spray angle		噴霧直徑 B (cm)	
		空氣壓力 Air pressure (bar)	水 Water (L/h)	空氣 Air (L/min)	噴霧角 Spray angle (°)	空氣壓力 Air pressure (bar)	水 Water (L/h)	空氣 Air (L/min)	噴霧角 Spray angle (°)	空氣壓力 Air pressure (bar)	水 Water (L/h)	空氣 Air (L/min)	噴霧角 Spray angle (°)	空氣壓力 Air pressure (bar)	水 Water (L/h)	空氣 Air (L/min)	噴霧角 Spray angle (°)	噴霧直徑 A (cm)	B (cm)	D (cm)	
SU11	液體帽,Liquid cap	0.7	2.5	15.6	1.1	6.4	11.9	1.4	6.4	13.9	2.7	6.2	2.3	3.5	7.8	2.8					
	2050	0.85	1.8	19.0	1.4	5.0	15.0	1.7	5.5	16.7	2.8	5.7	2.5	3.7	7.3	2.9	0.85	0.7	13°	30	2.7
	/	1.0	1.4	22	1.7	4.1	18.7	2.0	4.5	19.8	3.0	5.2	2.7	3.6	6.4	3.3	1.7	1.5	13°	33	2.7
	空氣帽 Air cap	1.8	3.4	20	2.2	3.4	20	2.2	3.4	21	3.1	4.7	2.9	4.2	5.5	3.8	2.5	2.0	13°	36	3.4
SU12A	液體帽,Liquid cap	0.7	2.5	15.6	1.1	6.4	11.9	1.4	6.4	13.9	2.7	6.2	2.3	3.5	7.8	2.8					
	2050	0.85	2.0	22	1.5	5.2	29	1.8	6.4	31	2.5	8.2	3.9	3.1	11.0	4.3	0.85	0.7	12°	43	3.7
	/	1.0	1.6	26	1.7	4.8	32	2.0	5.9	34	2.8	7.2	4.4	3.4	10.1	4.7	1.5	1.5	13°	46	4.0
	空氣帽 Air cap	1.8	4.3	35	2.2	4.8	40	3.1	5.2	3.7	3.0	6.7	4.7	3.7	9.2	5.2	2.4	2.0	13°	48	4.6
SU12B	液體帽,Liquid cap	0.7	2.5	15.6	1.1	6.4	11.9	1.4	6.4	13.9	2.7	6.2	2.3	3.5	7.8	2.8					
	73160	0.85	2.0	3.9	37	2.4	4.3	43	3.2	5.9	52	4.2	7.6	6.2	3.9	4.0	15°	56	5.2		
	/	2.1	3.4	40	2.7	3.6	48	3.4	5.5	55	4.5	6.8	6.8								
	空氣帽 Air cap	1.8	4.3	35	2.2	4.8	40	3.1	5.2	3.7	3.0	6.7	4.7	3.7	9.2	5.2	2.4	2.0	13°	48	4.6
SU12	液體帽,Liquid cap	0.85	4.8	21	1.7	8.4	31	2.0	7.3	27	16.5	3.7	3.4	2.0	4.3	3.9					
	2850	1.1	4.4	27	1.8	7.5	35	2.1	5.8	37	19.2	3.8	3.5	10.4	5.5	1.5	0.7	12°	48	4.0	
	/	1.5	3.1	35	2.2	5.7	44	2.7	6.8	48	3.4	11.8	4.9	4.2	15.2	5.5	3.0	3.0	13°	53	4.6
	空氣帽 Air cap	1.7	3.0	39	2.5	4.8	49	3.0	5.9	55	3.7	10.4	5.5	4.5	13.8	6.0	3.0	2.0	14°	56	4.9
SU2B	液體帽,Liquid cap	1.8	2.9	41	2.8	4.1	54	3.2	5.0	59	3.9	9.1	6.1	4.8	12.4	6.5	4.2	4.0	15°	60	5.3
	40100	2.0	2.8	44	3.1	3.6	59	3.5	4.1	65	4.2	7.9	6.5	4.9	11.8	6.8					
	/	1.1	83.0	6.2	22	17.8	116	2.8	20	136	3.4	32	149	4.6	3.7	193					
	空氣帽 Air cap	1.5	7.2	98	2.8	9.5	143	3.1	16.3	149	4.6	25.9	20.5	5.6	25	2.8	1.5	0.7	18°	66	4.9
SU22	液體帽,Liquid cap	1.8	4.7	112	3.4	4.9	171	4.2	4.7	205	5.6	6.8	25.5	6.3	17.4	27.0	5.3	3.0	21°	91	7.9
	1401110	2.0	3.6	119	3.5	4.2	178	4.6	3.0	220	6.0	5.0	27.5	6.7	14.0	29.0	6.0	4.0	21°	97	9.1
	/	2.1	2.7	127							6.3	3.6	29.0	7.0	11.0	30.5					
	空氣帽 Air cap	0.85	3.1	57	1.4	6.1	69	2.1	5.3	96	2.7	8.0	103	3.8	8.8	13.5					
SU42	液體帽,Liquid cap	1.0	25	66	1.5	5.4	76	2.4	4.1	112	3.0	69	11.7	4.2	73	156	1.0	0.5	17°	61	4.9
	60100	1.5	18.5	75	1.7	4.6	85	2.3	3.1	127	3.2	92	13.0	2.5	235	1.8	2.5	20°	18°	69	5.8
	/	1.3	12.9	85	1.8	4.1	93	2.8	2.6	136	3.5	4.9	146	4.8	19.8	2.8	3.0	20°	76	6.7	
	空氣帽 Air cap	2.0	3.5	102	3.0	2.2	144	3.7	4.4	154	5.3	3.9	215	3.5	3.0	20°	79	7.0			
SU42	液體帽,Liquid cap	1.0	44	86	1.5	125	79	2.0	123	108	22	199	8.8	3.0	250	99					
	100150	1.1	32	102	1.5	106	91	2.1	108	119	2.5	174	11.0	3.2	225	120	1.0	0.7	19°	89	6.1
	/	1.8	7	87	1.7	87	105	2.2	95	130	2.8	146	133	3.5	205	20.1	1.7	1.5	20°	99	7.0
	空氣帽 Air cap	2.0	55	130	2.4	79	143	2.1	154	134	2.9	168	136	4.1	159	18.1	3.1	2.0	21°	104	7.9
SU42	液體帽,Liquid cap	1.0	44	86	1.5	125	79	2.0	123	108	22	199	8.8	3.0	250	99					
	1891125	1.1	32	102	1.5	106	91	2.1	108	119	2.5	174	11.0	3.2	225	120	1.0	0.7	19°	89	6.1
	/	1.8	7	87	1.7	87	105	2.2	95	130	2.8	146	133	3.5	205	20.1	1.7	1.5	20°	99	7.0
	空氣帽 Air cap	2.0	55	130	2.4	79	143	2.1	154	134	2.9	168	136	4.1	159	18.1	3.1	2.0	21°	104	7.9

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流量来控制变化。对于扇形喷雾,尺寸“A”、“B”、“C”是离喷嘴相应距离处的流量宽度,如图所示。喷雾在喷嘴喷射到最大散点的总距离为“D”。在使用压力传递的液体系统时,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.	液体流量(L/h)和空气流量(L/min) Liquid capacity (L/h) and Air capacity (L/min)	喷嘴尺寸 Spray size															
		0.2bar				0.3bar				0.7bar				1.5bar			
液体流量(L/h) Liquid capacity (L/h)	空气流量(L/min) Air capacity (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)	水 Water (L/h)	空气 Air (L/min)
SUE15B	液体流量Liquid cap 1650 空气流量Air cap 67228-45°	0.2	26.3	0.7	31.2	1.05	39.6	1.4	45.3	5.3	2.8	73.6	8.8	1.1	45.3	5.3	2.8
SUE18B	液体流量Liquid cap 1650 空气流量Air cap 62240-60°	0.35	22	0.4	25	0.6	28	0.7	34	0.85	40	1.1	45	1.4	54	2.5	79
SUE15A	液体流量Liquid cap 2050 空气流量Air cap 67228-45°	0.36	26.3	0.7	31.2	1.05	39.6	1.4	45.3	5.3	2.8	73.6	8.8	1.1	45.3	5.3	2.8
SUE18A	液体流量Liquid cap 2050 空气流量Air cap 62240-60°	0.35	22	0.4	25	0.6	28	0.7	34	0.85	40	1.1	45	1.4	54	2.5	79
SUE15	液体流量Liquid cap 2850 空气流量Air cap 67228-45°	0.7	31.2	1.05	39.6	1.4	45.3	5.3	2.8	73.6	8.8	1.1	45.3	5.3	2.8	73.6	8.8
SUE18	液体流量Liquid cap 2850 空气流量Air cap 62240-60°	0.4	25	0.6	28	0.7	34	0.85	40	1.1	45	1.4	54	2.5	79	2.5	79

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

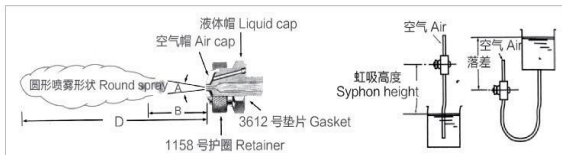
喷嘴 Spray set-up No.	液体流量(L/h)和空气流量(L/min) Liquid capacity (L/h) and Air capacity (L/min)	喷嘴尺寸 Spray size																				
		0.2bar				0.3bar				0.7bar				1.5bar								
		空气压力 (bar)	空气流量 (L/min)	水流量 (L/h)	空气压力 (bar)	空气流量 (L/min)	水流量 (L/h)	空气压力 (bar)	空气流量 (L/min)	水流量 (L/h)	空气压力 (bar)	空气流量 (L/min)	水流量 (L/h)	空气压力 (bar)	空气流量 (L/min)	水流量 (L/h)						
SUE25B	液体细Liquid cap 1650	0.7	85	1.0	102	1.4	116	2.5	178	3.5	212	4.9	312	6.3	411	100						
	/	1.0	102	1.4	116	1.8	139	2.8	195	3.5	232	4.9	314	6.3	411	100						
	空气帽 Air cap 67228-45°	1.4	116	1.8	139	2.1	156	3.5	227	3.9	255	4.9	314	6.3	411	100						
		1.8	139	2.1	156	16.4	25	4.2	266	37	4.2	275	52	2.5	0.7	15	22	38	4.9	312	6.3	411
		2.1	156	2.8	195	2.8	178	4.9	312	4.9	314	6.3	411	6.3	411	100						
SUE28B	液体细Liquid cap 1650	0.6	91	1.0	102	1.4	156	2.1	210	3.2	285	4.2	360	5.6	360	6.3	411					
	/	0.7	102	1.1	130	1.8	184	2.5	235	3.5	310	4.2	360	6.3	411	100						
	空气帽 Air cap 62240-60°	1.1	130	1.4	156	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	100						
		1.4	156	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	6.3	411	100						
		1.8	184	2.5	235	3.5	310	4.2	360	5.6	360	6.3	411	6.3	411	100						
SUE25A	液体细Liquid cap 2050	0.7	85	1.4	116	1.8	139	2.8	195	3.5	232	4.9	314	6.3	411	100						
	/	1.0	102	1.8	139	2.1	156	3.5	227	3.9	255	4.9	314	6.3	411	100						
	空气帽 Air cap 67228-45°	1.4	116	2.5	178	2.8	195	3.5	227	4.9	312	5.6	360	6.3	411	100						
		2.1	156	2.8	195	3.5	227	4.9	312	5.6	360	6.3	411	6.3	411	100						
		2.8	195	3.5	227	4.2	266	5.6	360	6.3	411	6.3	411	6.3	411	100						
SUE28A	液体细Liquid cap 2050	0.6	91	1.0	102	1.1	130	2.5	235	3.2	285	4.2	360	5.6	360	6.3	411					
	/	0.7	102	1.4	156	1.8	184	2.5	235	3.5	310	4.2	360	5.6	360	6.3	411					
	空气帽 Air cap 62240-60°	1.4	156	1.8	184	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	100						
		1.8	184	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	6.3	411	100						
		2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	6.3	411	6.3	411	100						
SUE28	液体细Liquid cap 2850	0.7	102	1.1	130	1.8	184	3.2	285	3.5	310	5.6	360	6.3	411	100						
	/	1.1	130	1.4	156	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	100						
	空气帽 Air cap 67228-45°	1.4	156	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	6.3	411	100						
		1.8	184	2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	6.3	411	100						
		2.1	210	2.8	260	4.2	360	5.6	360	6.3	411	6.3	411	6.3	411	100						
SUE25	液体细Liquid cap 2850	1.0	102	1.8	139	2.5	178	3.2	212	3.9	255	4.9	312	5.6	360	6.3	411					
	/	1.4	116	2.1	156	2.8	195	3.5	227	4.2	266	5.6	360	6.3	411	100						
	空气帽 Air cap 62240-60°	1.8	139	2.5	178	3.2	212	4.2	266	5.6	360	6.3	411	6.3	411	100						
		2.1	156	2.8	195	3.5	227	4.9	312	5.6	360	6.3	411	6.3	411	100						
		2.8	195	3.5	227	4.2	266	5.6	360	6.3	411	6.3	411	6.3	411	100						
SUE45B	液体细Liquid cap 60150	1.8	235	1.8	235	2.5	300	3.9	410	4.2	445	5.6	600	6.3	685	100						
	/	2.1	260	2.1	260	2.8	330	4.2	445	4.6	480	5.6	600	6.3	685	100						
	空气帽 Air cap 200278-45°	2.5	300	2.5	300	3.5	380	4.9	520	5.6	600	6.3	685	6.3	685	100						
		3.2	355	3.2	355	3.9	410	4.2	445	5.6	600	6.3	685	6.3	685	100						
		4.2	445	4.2	445	4.9	520	5.6	600	6.3	685	6.3	685	6.3	685	100						
SUE45A	液体细Liquid cap 80150	2.1	260	2.8	330	3.9	410	4.9	520	5.6	600	6.3	685	6.3	685	100						
	/	2.5	300	3.2	355	4.2	445	5.6	600	6.3	685	6.3	685	6.3	685	100						
	空气帽 Air cap 200278-45°	2.8	330	3.5	380	4.6	480	5.6	600	6.3	685	6.3	685	6.3	685	100						
		3.2	355	3.9	410	4.2	445	5.6	600	6.3	685	6.3	685	6.3	685	100						
		4.2	445	4.9	520	5.6	600	6.3	685	6.3	685	6.3	685	6.3	685	100						
SUE45	液体细Liquid cap 100150	2.8	330	3.5	380	4.6	480	5.6	600	6.3	685	6.3	685	6.3	685	100						
	/	3.2	355	3.9	410	4.2	445	5.6	600	6.3	685	6.3	685	6.3	685	100						
	空气帽 Air cap 200278-45°	3.5	380	4.2	445	5.6	600	6.3	685	6.3	685	6.3	685	6.3	685	100						
		4.2	445	4.9	520	5.6	600	6.3	685	6.3	685	6.3	685	6.3	685	100						
		4.9	520	5.6	600	6.3	685	6.3	685	6.3	685	6.3	685	6.3	685	100						

虹吸式空气雾化喷嘴 Syphon air atomizing nozzle

设计特点 Design Feature

对于圆形喷雾类型,在“B”距离内,喷嘴都能保持喷雾角度“A”,在距离“B”以外处,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 goods to liquid through liquid syphon or gravity convey.



圆形喷雾和扇形喷雾空气帽
在这些喷雾装置中使用的空气帽产生一个实心锥形圆
形喷雾和扇形喷雾。
The air cap of round spray and fan shape spray
The air cap from these spray system generates
full cone round spray and fan shape spray

注: 1158 护圈和 3162 号密封垫片必须与喷嘴装置分开订购, 但是包括在标准喷嘴组件中。
Remark: No.1158 retainer and 3612 gasket must be ordered separately from the spray set-up. But is included in the standard nozzle assembly.

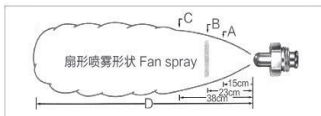
圆形喷雾 Round spray

喷嘴装置号 Spray set-up No.	液体流量 Liquid flow rate L/h	雾化空气 Atomizing air pressure (bar)	空气流量 Air capacity (l/min)	液体容量 (升/小时) Liquid capacity (L/h)					虹吸高度为20厘米时的喷雾尺寸 Spray size at 20cm syphon height				
				重力流量 Gravity head	10cm	15cm	20cm	30cm	40cm	50cm	60cm	70cm	80cm
SUJ1A	液体流量 Liquid cap. 1550	0.7	11.3	1.5	1.3	1.1	0.87	0.68	0.53	0.4	0.3	0.2	0.1
	和空气帽 Air cap. J64	1.5	17.0	1.8	1.7	1.5	1.3	1.2	1.1	1.0	0.9	0.8	0.7
		3.0	28	2.1	1.9	1.7	1.5	1.4	1.3	1.2	1.1	1.0	0.9
SUJ1	液体流量 Liquid cap. J250	0.7	11.3	2.4	2.1	1.7	1.5	1.2	0.9	0.7	0.6	0.5	0.4
	和空气帽 Air cap. J64	1.5	20	2.8	2.6	2.4	2.1	1.9	1.6	1.5	1.4	1.3	1.2
		3.0	32	3.4	3.1	2.9	2.6	2.4	2.1	1.9	1.7	1.5	1.4
SUJ2A	液体流量 Liquid cap. J250	0.7	23	2.5	2.3	2.0	1.6	1.4	1.1	0.9	0.7	0.6	0.5
	和空气帽 Air cap. J70	1.5	36	2.9	2.8	2.5	2.2	2.0	1.7	1.5	1.4	1.3	1.2
		3.0	58	3.4	3.3	3.2	2.8	2.5	2.2	2.0	1.8	1.6	1.5
SUJ2	液体流量 Liquid cap. J250	0.7	19.3	4.5	4.0	3.4	2.1	1.8	1.4	1.1	0.9	0.7	0.6
	和空气帽 Air cap. J70	1.5	31	5.3	4.9	4.4	3.5	2.9	2.7	2.4	2.1	1.9	1.7
		3.0	50	6.0	5.6	5.0	4.4	4.0	3.4	3.0	2.7	2.4	2.1
SUJ4	液体流量 Liquid cap. J50100	1.5	58	22	19.9	16.3	12.3	10.5	8.3	6.8	5.6	4.6	3.7
	和空气帽 Air cap. J120	3.0	88	25	23	19.5	16.7	14.2	11.5	9.4	7.8	6.4	5.1
		4.5	111	26	24	22	18.4	15.7	12.9	10.6	8.8	7.2	5.8
SUJ4B	液体流量 Liquid cap. J100150	2.0	144	27	25	21.7	17.7	15.0	12.3	10.1	8.3	6.8	5.5
	和空气帽 Air cap. J180	3.0	190	30	28	24	20	17.2	14.2	11.7	9.7	8.0	6.5
		4.5	240	34	32	27	23	19.7	16.4	13.6	11.3	9.4	7.7

对于扇形喷雾类型,尺寸“A”、“B”、“C”是喷嘴相应距离处喷雾宽度,如图所示。从喷嘴到最大散点点的喷雾喷射总距离为“D”。

扇形喷雾 Fan spray

For flat fan spray, dimensions "A" "B" "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".



喷嘴装置号 Spray set-up No.	液体流量 Liquid flow rate L/h	雾化空气 Atomizing air pressure (bar)	空气流量 Air capacity (l/min)	液体容量 (升/小时) Liquid capacity (L/h)					虹吸高度为20厘米时的喷雾尺寸 Spray size at 20cm syphon height				
				重力流量 Gravity head	10cm	15cm	20cm	30cm	40cm	50cm	60cm	70cm	80cm
SUJF1	液体流量 Liquid cap. J250	0.7	28	1.3	1.2	1.1	0.90	0.68	0.54	0.4	0.3	0.2	0.1
	和空气帽 Air cap. J73420	1.5	43	1.2	1.1	1.0	0.80	0.65	0.54	0.4	0.3	0.2	0.1
		2.0	50	0.82	0.7	0.68	0.57	0.5	0.4	0.3	0.2	0.1	0.1
SUJF2C	液体流量 Liquid cap. J35100	1.5	56	3.7	3.5	3.3	2.9	2.8	2.5	2.3	2.1	1.9	1.7
	和空气帽 Air cap. J20432	2.0	65	3.4	3.3	3.1	2.8	2.7	2.6	2.4	2.2	2.0	1.9
		3.0	87	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.7	1.6	1.5
SUJ3B	液体流量 Liquid cap. J	1.5	68	5.1	4.8	4.5	3.8	3.7	3.5	3.0	2.4	1.9	1.5
	和空气帽 Air cap. J22435	2.0	78	4.9	4.7	4.4	3.6	3.4	3.2	2.9	2.3	2.0	1.7
		3.0	103	3.4	3.2	3.0	2.2	2.0	1.7	1.5	1.3	1.1	0.9
SUJ4B	液体流量 Liquid cap. J40100	1.5	68	7.6	7.2	6.6	5.7	5.4	5.1	4.6	3.7	3.0	2.4
	和空气帽 Air cap. J22440	2.0	73	7.6	7.3	6.8	5.9	5.7	5.5	5.0	4.2	3.5	2.8
		3.0	96	6.4	6.1	5.7	5.0	4.7	4.4	4.0	3.3	2.7	2.2

DK自动精细雾化喷嘴 DK Automatic super-fine atomizing nozzle

设计特点 Design Feature

DK 自动精细雾化喷嘴可提供液体雾化气体和风扇气体压力的独立控制,以进行流量、液滴大小、喷雾分布和覆盖范围的精细调整。科学合理的设计使得喷嘴在对粘滞液体喷雾时也很理想。可对独立的气体雾化管路进行调整,以改变雾化液滴大小而不影响液体流量。采用一个附加的入口、出口通道使液体再循环,这可有效地维持粘滞液体的流动。驱动内装喷嘴清楚针阀装置可消除喷嘴的堵塞。自动精细雾化喷嘴可使用七个不同喷嘴装置中的任何一个,所提供的流量范围为 2.8 升/小时到 179 升/小时。可在几秒钟之内对雾化气体、风扇气体和液体流量进行调整,及再选择定时控制器能够达到每分钟 180 周次的自动“开/闭”运行。气缸驱动至少需要 2.4 巴的气压。

Automatic fine atomizing nozzle can provides independent control for liquid atomized into gas and fan gas pressure, in order to fine adjustment on flow rate, drops, spray distribution and coverage. Scientific and rational design get satisfied effect when nozzle spray viscous liquid. It can make adjustment for independent gas atomizing pipeline, in order to adjust drops size without influence of flow rate of liquid. It adopts an additional entry and an exit channel to make liquid recycle, which keep viscous liquid flow well. In-built driver nozzle's clear needle valve installation can remove the block from nozzle. Automatic fine atomizing nozzle can use anyone of 7 different spray installation which provides flow rate range from 2.8L/hour to 179L/hour. It makes adjustment and readjustment within several seconds to atomized gas, fan and liquid flow rate. So that changing settings to fit for all kinds of spray applications. For choices, timing controller can reach 180 automatic "on/off" circulation per minute. Air cylinder operation needs at least 2.4 bar pressure.

性能数据 Performance Data

喷嘴装置号 Spray device No.	液体流量 Flow rate (L/h)	数据号 Data No.
SX-CC001A	2.8	924M-001A
SX-CC002C	4.2	924M-002C
SX-CC004	8.1	924M-004
SX-CC004B	13.6	924M-004B
SX-CC005	18.4	924M-005
SX-CC006	38	924M-006
SX-CC006D	69	924M-006D

注: 装置 SX-CC006 的数据是为每个通用喷嘴装置提供的有关性能数据的典型例子。
Remark: Device SX-CC006's data set a typical example about performance data for all which are suitable for spray installation.



适用于喷雾分布和覆盖要求精确的加湿及
涂层工序

Applicable for humidifying and coating
process which requires for precision
about spray distribution and coverage.

一般应用 Common Application

- 涂层 Coating
- 加湿 Humidifying
- 粘滞液体喷雾 Viscous liquid jet
- 循环系统 Circulating system

DK1/8 喷嘴 DK1/8 Nozzle	雾化空气压力 (巴) Atomizing air pressure Bar	水压 (巴) Water pressure Bar	喷雾范围 (厘米) 在指定至喷嘴的距离 ... 在风扇空气压力 (巴) 下 Spray range (cm) at the distance from the indicated to nozzle ... at the fan air pressure (bar)													
			0bar	0.3bar	0.7bar	1.5bar	3bar	3bar	3bar	3bar	3bar	3bar	3bar	3bar	3bar	3bar
喷嘴装置号 Spray device No. SX-CC006	0.7	0.2	7.6	10.2	12.7	11.4	15.2	20	17.8	25	33	30	41	51		
		0.7										28	38	56	53	66
		1.5												43	56	76
	1.5	0.2	7.6	10.2	12.7	7.6	10.2	15.2	12.7	17.8	23	23	30	41	36	46
		0.7				7.6	10.2	15.2	12.7	17.8	25	20	30	41	36	46
		1.5												33	48	64
由 VF100-BRASS 液体帽和 VA125-BRASS 空气帽组成 Composed by VF-100-BRASS liquid cap and VA125-BRASS air cap	2	0.2	7.6	10.2	12.7	8.9	11.4	16.5	10.2	15.2	20	15.2	20	28	30	36
		0.7	6.4	8.9	12.7	7.6	10.2	14.0	10.2	15.2	22	17.8	23	38	30	41
		1.5												28	38	53
	3	0.2	7.6	10.2	14.0	7.6	11.4	15.2	8.9	12.7	17.8	15.2	20	28	25	30
		0.7	6.4	8.9	12.7	8.9	11.4	15.2	10.2	12.7	17.8	15.8	20	27	28	36
		1.5	6.4	8.9	12.7	7.6	10.2	16.5	7.6	12.7	20	15.2	20	28	23	33

在 0 巴风扇空气压力下, 喷雾形成圆形类型。Spray is round, at 0 bar fan air pressure.

订购信息 Order information

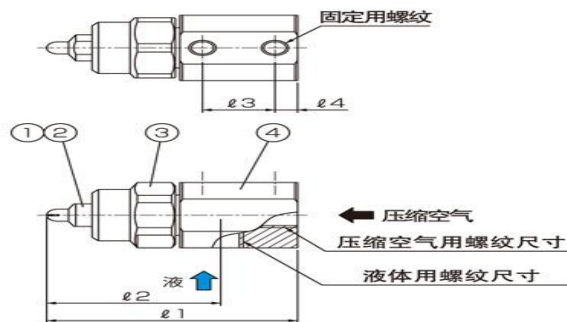
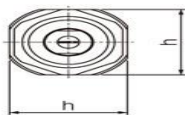
DK1/8 — 316SS — SX-CC006	备注: Remark: BRASS-黄铜 SS-不锈钢 Stainless steel
喷嘴号 Nozzle No.	材料代码 Material code
喷嘴装置号 Nozzle device No.	316SS-316 不锈钢 Stainless steel



【特性】

- 小型节省空间的微雾喷嘴。
- 不易堵塞，部品件数少。
- 有液加压式和虹吸式2种，喷雾形状为扇形，空圆锥，实心圆锥，共5种类型23种品种。

【尺寸及螺纹规范】



■ 名称和各部品材质

No.	名 称	标准材质
①	喷嘴口	S303
②	芯	S303
③	螺帽	S303
④	连接器	S303

■ 尺寸表

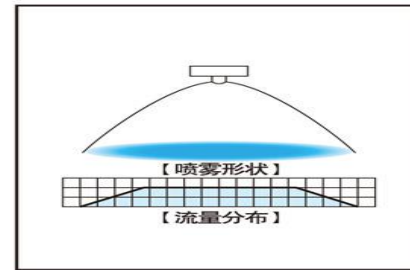
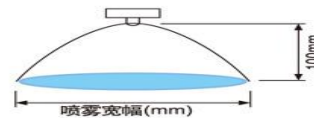
空气消耗量 区分	外形尺寸(mm)					螺纹尺寸			重量 (g)
	L1	L2	L3	L4	h	压缩空气	液	固定用螺纹	
01	27.7	19.2	8	2.5	13	M5×3	M5×3	M3×2	约22
02	28	19.5							
04	31.3	22.8							
075	32.6	24.1							

CBIMV 型

【特 性】

- 产生平均粒径为 $100\mu\text{m}$ 以下(※1)的“微雾”的二流体扇形喷嘴。
- 液体压力为 $0.1\sim 0.3\text{MPa}$ 左右,流量调整范围广。
- 喷雾角度为 110° , 80° , 45° 3种。
- 全域呈均等流量分布,中央强且逐渐向两端减弱的山形分布。

※1 数值为使用脱普勒法测定。



型号	喷雾角 区分 ※1	空气 消耗量 区分	空气 压力 (MPa)	喷雾量(L/hr) / 空气消耗量(NL/min)					喷雾宽幅 (mm)※2			平均粒径(μm)	异物通过径(mm)			
				液压(MPa)					液压(MPa)				脱普勒法	喷口	连接器	
				0.1	0.15	0.2	0.25	0.3	0.1	0.15	0.25				液体	空气
CBIMV11001	110°	01	0.2	1.3 / 6.8	2.8 / 5.3	—	—	—	280	330	—	20	0.2	0.6	0.5	
			0.3	0.5 / 10	1.1 / 9.5	2.3 / 8.4	4 / 6.5	—	240	250	380	100				
			0.4	—	0.6 / 12.4	1.1 / 12	2.2 / 11	3.3 / 9.6	—	220	300	—				100
			0.2	2.2 / 14	5.3 / 11	—	—	—	280	340	—	20				
CBIMV11002	110°	02	0.3	1.0 / 20	2.5 / 19	4.6 / 17	8.3 / 12	14.3 / 7	220	250	420	20	0.2	0.9	0.7	
			0.4	—	1.4 / 25	2.3 / 24	4.0 / 23	6.3 / 20	—	230	340	100				
			0.2	4.5 / 25	9.5 / 20	17.0 / 13	—	—	300	360	—	20				
			0.3	2.0 / 36	4.7 / 35	8.5 / 31	13.1 / 27	19.6 / 20	230	270	430	100				
CBIMV11004	110°	04	0.4	—	2.8 / 45	4.8 / 44	7.7 / 41	11.4 / 37	—	250	350	100	0.3	0.9	0.9	
			0.2	8.7 / 51	18.4 / 42	33.3 / 29	—	—	320	380	—	20				
			0.3	4.0 / 74	8.8 / 71	15.5 / 64	24.3 / 54	38.5 / 40	240	300	450	100				
			0.4	—	5.6 / 91	9.1 / 89	14.8 / 82	21.8 / 74	—	270	370	100				
CBIMV11075	110°	075	0.2	—	—	—	—	—	—	—	—	20	0.5	1.2	1.4	
			0.3	—	—	—	—	—	—	—	—	20				
			0.4	—	—	—	—	—	—	—	—	20				
			0.2	—	—	—	—	—	—	—	—	20				
CBIMV8001	80°	01	0.2	1.3 / 6.8	2.8 / 5.3	—	—	—	220	250	—	20	0.2	0.6	0.5	
			0.3	0.5 / 10	1.1 / 9.5	2.3 / 8.4	4 / 6.5	—	140	200	250	100				
			0.4	—	0.6 / 12.4	1.1 / 12	2.2 / 11	3.3 / 9.6	—	140	220	100				
			0.2	2.2 / 14	5.3 / 11	—	—	—	200	260	—	20				
CBIMV8002	80°	02	0.3	1.0 / 20	2.5 / 19	4.6 / 17	8.3 / 12	14.3 / 7	170	210	300	100	0.3	0.9	0.7	
			0.4	—	1.4 / 25	2.3 / 24	4.0 / 23	6.3 / 20	—	200	250	100				
			0.2	4.5 / 25	9.5 / 20	17.0 / 13	—	—	200	260	—	20				
			0.3	2.0 / 36	4.7 / 35	8.5 / 31	13.1 / 27	19.6 / 20	170	210	310	100				
CBIMV8004	80°	04	0.4	—	2.8 / 45	4.8 / 44	7.7 / 41	11.4 / 37	—	200	260	100	0.4	0.9	0.9	
			0.2	8.7 / 51	18.4 / 42	33.3 / 29	—	—	200	270	—	20				
			0.3	4.0 / 74	8.8 / 71	15.5 / 64	24.3 / 54	38.5 / 40	170	210	310	100				
			0.4	—	5.6 / 91	9.1 / 89	14.8 / 82	21.8 / 74	—	200	260	100				
CBIMV80075	80°	075	0.2	—	—	—	—	—	—	—	—	20	0.6	1.2	1.4	
			0.3	—	—	—	—	—	—	—	—	20				
			0.4	—	—	—	—	—	—	—	—	20				
			0.2	—	—	—	—	—	—	—	—	20				
CBIMV4501	45°	01	0.2	1.3 / 6.8	2.8 / 5.3	—	—	—	120	150	—	20	0.3	0.6	0.5	
			0.3	0.5 / 10	1.1 / 9.5	2.3 / 8.4	4 / 6.5	—	80	110	150	100				
			0.4	—	0.6 / 12.4	1.1 / 12	2.2 / 11	3.3 / 9.6	—	70	120	100				
			0.2	2.2 / 14	5.3 / 11	—	—	—	100	130	—	20				
CBIMV4502	45°	02	0.3	1.0 / 20	2.5 / 19	4.6 / 17	8.3 / 12	14.3 / 7	80	110	150	100	0.4	0.9	0.7	
			0.4	—	1.4 / 25	2.3 / 24	4.0 / 23	6.3 / 20	—	100	130	100				
			0.2	4.5 / 25	9.5 / 20	17.0 / 13	—	—	100	130	—	20				
			0.3	2.0 / 36	4.7 / 35	8.5 / 31	13.1 / 27	19.6 / 20	80	110	150	100				
CBIMV4504	45°	04	0.4	—	2.8 / 45	4.8 / 44	7.7 / 41	11.4 / 37	—	100	130	100	0.5	0.9	0.9	
			0.2	8.7 / 51	18.4 / 42	33.3 / 29	—	—	100	140	—	20				
			0.3	4.0 / 74	8.8 / 71	15.5 / 64	24.3 / 54	38.5 / 40	80	110	160	100				
			0.4	—	5.6 / 91	9.1 / 89	14.8 / 82	21.8 / 74	—	100	140	100				
CBIMV45075	45°	075	0.2	—	—	—	—	—	—	—	—	20	0.9	1.2	1.4	
			0.3	—	—	—	—	—	—	—	—	20				
			0.4	—	—	—	—	—	—	—	—	20				
			0.2	—	—	—	—	—	—	—	—	20				

注: ※1 空气压力为 0.3MPa 、液压为 0.1MPa 时的喷雾角。

※2 喷雾距离为 100mm 时的喷雾宽幅。

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



设计特点 Design Feature

精细雾化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。所以的零件都是精密制造的。喷嘴嵌体、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	额定喷嘴孔径 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°

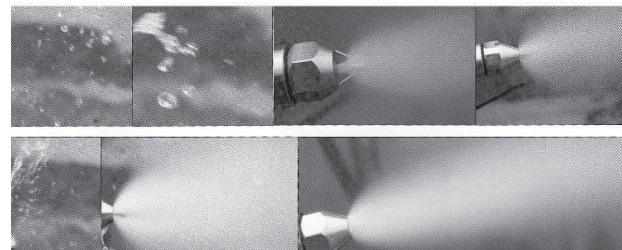
一般应用 Common Application

- 加湿: 气控室内加湿 ● 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
喷嘴型号 Nozzle style	入口接管尺寸 Inlet connector size	芯号 Core No.

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

配套万向安装支架 8983 Q235
Universal installing bracket
fittings



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

设计特点 Design Feature

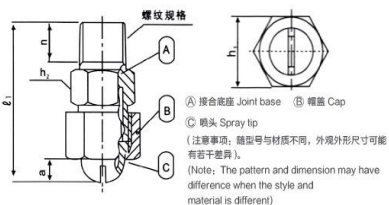


空气或蒸汽的扇形喷射
有效喷射的持续距离极短, 这点与液体不同
标准压力: 3 bar
主要用途:
压缩空气: 清扫、除尘、干燥、气帘
蒸汽、加湿、调温、调湿等

Flat fan spray of air vapour.
The effective distance of spray adhesive is very short, which is different with liquid.
Standard pressure: 3bar
Main Usage
Air compression: clean-up dedusting, drying, air curtain, vapour, humidifying, conditioning.

K1系列 K1 Series

K1 系列 K1 Series	
构造 Structure	构造由喷嘴口部, 帽盖组合配件三部分组成。可只更换磨损的喷嘴口部帽盖。 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	2bar	4bar	7bar
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
喷嘴系列	规格	流量代码	材质
Nozzle series	Size	Flow code	Material



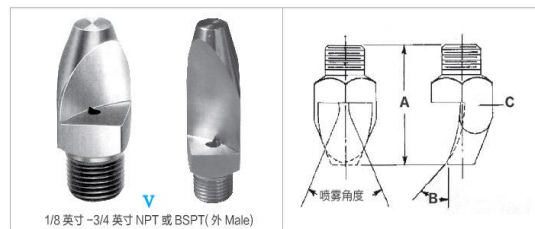
V系列窄角喷嘴 V Series Narrow Angle Nozzle

设计特点 Design Feature



V 系列通用窄角喷嘴的特点是能产生具有高冲击力的窄角扇形喷雾。这种喷雾产生的喷雾分布均匀, 液滴大小中等。
V 系列通用窄角喷嘴形状界定十分清楚。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 choking problem. The carefully processed guide plane provides average and high impact spray.



一般应用 Common Application

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

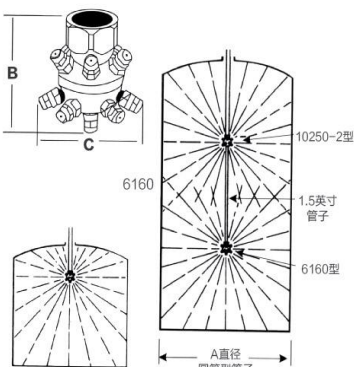
订购信息 Order information

V	3/8	SS	5060
喷嘴型号	入口接头	材料代码	流量大小
Nozzle style	Inlet connector	Material	Flow
Brass - 黄铜			
SS-303 不锈钢 stainless steel			
316SS-316 不锈钢 stainless steel			

噴霧角度 Spray angle at 3 bar	噴嘴入口接头 Nozzle inlet connector NPT or BSPT	流量大小 Flow	等效噴嘴孔徑 Equivalent Spray hole Dia (mm)										流量 (升/公分) Flow (L/min)										噴霧角度 Spray angle		尺寸 Size		重量 N.W (KG)
			1/8	1/4	3/8	1/2	3/4	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	15°	30°	45°	60°	75°	90°	A (mm)	B (mm)				
50°	●	5510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	8.4	9.6	10.8	12.0	14.4	30°	50°	31°	60°	15.9	0.0					
	●	5025	2.8	3.7	5.1	6.1	7.2	8.1	9.9	11.4	12.7	14.0	15.1	16.0	18.0	21.6	30°	50°	41.5	42°	19.9	0.0					
	●	5040	3.6	5.1	7.2	9.9	12.9	15.8	18.2	20	22	24	29	31	33	36	30°	50°	47°	45°	19.1	0.0					
	●	5060	4.6	6.1	9.9	13.7	19.3	24	27	31	33	36	43	47	50	54	30°	50°	52°	50°	21.4	0.0					
	●	50100	6.0	23	32	39	46	51	56	60	72	84	96	108	120	144	30°	50°	72°	40°	31.8	0.3					
	●	50125	6.7	28	40	49	57	64	70	75	91	102	112	121	134	156	30°	50°	72°	38°	31.8	0.3					
	●	50160	7.5	36	52	63	73	82	89	96	115	127	138	149	164	192	30°	50°	72°	37°	31.8	0.3					
	●	50200	8.3	46	64	79	91	102	112	121	144	160	174	188	207	240	30°	50°	72°	32°	31.8	0.3					
	●	4040	3.6	5.1	7.2	9.9	12.9	15.8	18.2	20	22	24	29	31	33	36	30°	40°	60.5	35°	22.2	0.1					
	●	4050	4.6	6.1	9.9	13.7	19.3	24	27	31	33	36	43	47	50	54	30°	40°	65.5	38°	25.4	0.1					
40°	●	4060	4.4	13.7	19.3	24	27	31	33	36	43	47	50	54	58	66	30°	40°	72	37°	25.4	0.2					
	●	4070	5.2	16.0	23	28	32	36	39	42	50	52	56	60	64	72	30°	40°	75.5	29°	25.4	0.3					
	●	4080	5.2	16.2	26	32	36	41	45	48	58	62	66	70	74	84	30°	40°	77	20°	25.4	0.3					
	●	4090	5.6	21	29	36	41	46	50	54	65	69	73	77	81	92	30°	40°	77	28°	25.4	0.3					
	●	40100	6.0	23	32	39	46	51	56	60	72	84	96	108	120	144	30°	40°	86.5	28°	25.4	0.3					
	●	3504	1.2	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	3.0	3.6	4.0	4.4	4.7	5.0	30°	20°	40°	11.1	0.0					
	●	3510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	8.4	9.6	10.8	12.0	14.4	15°	30°	36.5	30°	15.9	0.0					
	●	3520	2.8	3.6	5.1	6.1	7.2	8.1	9.9	11.4	12.7	14.0	15.1	16.0	18.0	21.6	15°	30°	42	30°	19.1	0.0					
	●	3525	2.8	3.7	5.1	6.1	7.2	8.1	9.9	11.4	12.7	14.0	15.1	16.0	18.0	21.6	15°	30°	49	28°	19.1	0.0					
	●	3530	3.2	4.6	6.7	7.9	9.1	10.2	11.2	12.1	14.4	16.0	17.4	18.8	20.7	24.0	15°	30°	52.5	28°	19.1	0.0					
30°	●	3540	3.6	5.1	7.2	9.9	12.9	15.8	18.2	20	22	24	29	31	33	36	30°	35°	58	28°	22.2	0.1					
	●	3550	4.6	6.1	9.9	13.7	19.3	24	27	31	33	36	43	47	50	54	30°	35°	63.5	23°	22.2	0.1					
	●	3560	4.4	13.7	19.3	24	27	31	33	36	43	47	50	54	58	66	30°	35°	72	23°	25.4	0.2					
	●	3580	5.2	16.2	26	32	36	41	45	48	58	62	66	70	74	84	30°	35°	81	24°	25.4	0.2					
	●	35100	6.0	23	32	39	46	51	56	60	72	84	96	108	120	144	30°	35°	89	19°	25.4	0.3					
	●	35160	7.5	36	52	63	73	82	89	96	115	126	137	148	160	182	30°	35°	114	23°	31.8	0.5					
	●	35200	8.3	46	64	79	91	102	112	121	144	160	174	188	207	240	30°	35°	122	22°	31.8	0.5					
	●	2540	3.6	5.1	7.2	9.9	12.9	15.8	18.2	20	22	24	29	31	33	36	15°	25°	29	65°	19.1	0.1					
	●	1510	2.0	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	8.4	9.6	10.8	12.0	14.4	15°	15°	47.5	22°	15.9	0.1					
	●	1520	2.8	3.6	5.1	6.1	7.2	8.1	9.9	11.4	12.7	14.0	15.1	16.0	18.0	21.6	15°	15°	54	19°	19.1	0.0					
15°	●	1530	3.2	4.6	6.7	7.9	9.1	10.2	11.2	12.1	14.4	16.0	17.4	18.8	20.7	24.0	15°	15°	72	29°	19.1	0.1					
	●	1540	3.6	5.1	7.2	9.9	12.9	15.8	18.2	20	22	24	29	31	33	36	15°	15°	92	18°	22.2	0.2					
	●	1550	4.4	11.4	16.1	19.7	23	26	29	30	36	39	42	44	47	54	15°	15°	96.5	19°	22.2	0.1					
	●	1560	5.2	13.7	19.3	24	27	31	33	36	43	47	50	54	58	66	15°	15°	125	14°	25.4	0.3					
	●	1580	6.0	16.2	26	32	36	41	45	48	58	62	66	70	74	84	15°	15°	130	14°	25.4	0.4					
	●	15100	7.5	36	52	63	73	82	89	96	115	126	137	148	160	182	15°	15°	147	14°	25.4	0.4					
	●	15200	8.3	46	64	79	91	102	112	121	144	160	174	188	207	240	15°	15°	191	14°	25.4	0.8					
	●	15300	9.1	51	72	87	101	114	127	140	164	181	200	219	240	288	15°	15°	219	14°	25.4	0.8					
	●	15400	10.0	56	79	96	112	129	146	164	188	210	232	254	288	346	15°	15°	240	14°	25.4	0.8					
	●	15500	11.0	62	87	106	125	144	164	188	210	232	254	288	346	414	15°	15°	267	14°	25.4	0.8					

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。制造材料为黄铜和 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速。6160 型可以通过直径 130 毫米或更大的罐口。
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速。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)	喷嘴头订购序号 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 尺寸 Dimension	
		1.5bar		2bar		3bar		3.5bar		罐子直径 Tank dia A (m)	罐子高度 Tank Height B (mm)
		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)	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
	6160-1/4GGS	35		40		48		52		1.2	114
1/2 英寸	6160-1/4GG10	70		80		97		104		2.1	114
	6160-3/8GG22	155		177		215		230		3.0	121

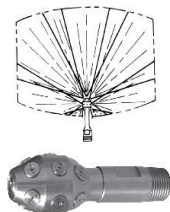


设计特点 Design Feature

9800 型清洗喷嘴是特别为有效清洗小容器而设计的。这种型号的喷嘴可以选择 15 个或 21 个实心锥喷嘴,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。安装在自动小桶清洗器上。最大的喷嘴直径为 35 毫米,带有一个 16 毫米的细颈。清洗时可以排水。不锈钢结构提供了最大的耐腐蚀性能。

Model 9800 washing nozzle is specially designed for small tank. For this nozzle, 15 and 21 pieces of full cone spray tips are for choices, which can spray to all the inner surface. Pressure can reach 10 bar. Model 9800 is designed to pass through a standard small tank opening to be installed on small automatic washer. The largest spray tip diameter is 35mm with a 16mm of necking for water draining. The stainless steel structure provides maximum corrosion resistance.



性能数据 Performance Data

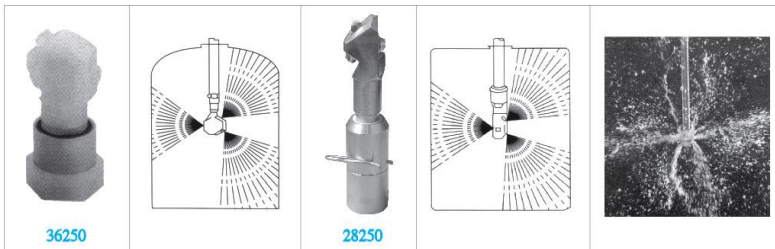
喷嘴头订购序号 Nozzle order No.	流量 (升/分) Flow rate (L/min)							
	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar
9800-15-SS	-	-	-	20	23	25	26	31
9800-21-SS	-	-	-	28	31	34	36	43

一般应用 Common Application

- 洗浆箱清泡
- Defoaming
- 浆池清洗
- Cleaning

瓶罐清洗喷嘴 Tank washing nozzle

设计特点 Design Feature



36250 型和紧凑型旋转清洗喷嘴都具有如下特点:

三个高压扇形喷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清洗轨道覆盖范围之内。因此,两种型号的喷嘴都可对小型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,较低流量扇形喷嘴对于清洗小容器(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,实现高压清洗,压力可达 7 巴。

36250 and 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.

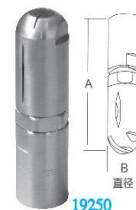
性能数据 Performance Data

喷嘴头订购序号 Nozzle order No.	流量 (升/分) Flow rate (L/min)						喷嘴头 Nozzle No.	管接头 NPT 或 BSPT (内) Pipe connector NPT or BSPT (female)	A (mm)	B (mm)	C (mm)	六角形 Six angle (mm)	净重 N.W (kg)
	1bar	1.5bar	2bar	2.5bar	3bar	4bar							
36250-STCN16-PP	40	59	68	76	84	94	36250-	3/4 英寸	145	115	85	75	0.55
36250-STCN18-PP	101	121	140	159	179	201	28250-	3/4 英寸	122	100	56	44.5	0.68
28250-STCN27-316SS	22	27	32	38	43	49							
28250-STCN29-316SS	40	48	55	62	70	79							

设计特点 Design Feature

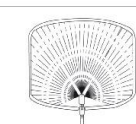
19250 紧凑型喷嘴可通过直径 25 毫米的孔,两个扇形喷嘴头的位置使其产生自转动,提供侧面喷射。在 19250 型上加了一个顶部开口,提供完整球面的喷射覆盖。喷嘴材料是 316 不锈钢,轴承和轴承盖是硬化不锈钢制造的,以达到最大的磨损寿命。最大操作压力为 13 巴,耐最高温 180°C。

19250 compact nozzle can generate Automatic rotating force and provide side 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

喷嘴头订购序号 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监督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。双体喷嘴的特点是喷射溶液的压力驱动旋转。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)。流量范围从 15 升 / 分到 1480 升 / 分。若需全面的有关流量的资料, 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 FDA. 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 0.7-3-bar 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 rate 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"-TEF	15.3	22	26	32	34
27500(A 至 E) 3/4"-TEF	34	50	58	71	77
27500(A 至 E) 3/4"-TEF	61	89	103	126	136
27500(A 至 E) 3/4"-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 型罐子清洗喷嘴是为卫生方面的应用而设计制造的, 喷嘴是不锈钢螺钉连接安装在入口管上。用美国食品药品监督管理局批准 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 英寸尺寸的流量为 87 升 / 分, 1 英寸的流量是 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范围, 请参看 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 FDA. 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.

覆盖类型 Cover type	喷射角度 Spray angle	覆盖类型 Cover type	喷射角度 Spray angle
	180°		270°
	180°		270°
	180°		270°

高压针形喷嘴 High Pressure Needle Nozzle



性能数据 Performance Data

喷嘴尺寸号 Nozzle dimension No.	等效喷嘴孔径 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
- 压榨部毛毯高压摆动清洗
- 盲孔辊清洗
- 沟纹辊清洗
- fourdriner wire high pressure swing cleaning
- press section felt high pressure swing cleaning
- blind press cleaning
- grooved roll cleaning

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



CCTC 型喷嘴为带扇形杆专门设计的低压扇形喷嘴, 喷角为 0°、30°、60°、75° 四种, 喷嘴在安装时需配合 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. CY28634-001 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.	喷嘴口径 Spray orifice Dia(mm)	流量 (升/分) flow rate (L/min)						喷射角度 Spray angle 4 bar
		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		30°
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		60°
CCT-3078	6.0	22	31	48	81	135		
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		75°
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		90°
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		
CCTC-6049	5.0	13.7	19.4	30	50	83		
CCTC-6078	6.0	22	31	48	81	135		
CCTC-6099	7.0	29	39	60	101	167		100°
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		120°
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		150°
CCTC-7541	4.5	11.3	15.9	24	41	68		
CCTC-7549	5.0	13.7	19.4	30	50	83		
CCTC-7578	6.0	22	31	48	81	135		
CCTC-7599	7.0	29	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

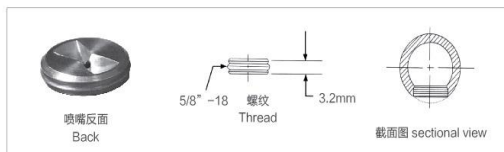
性能数据 Performance Data

喷嘴尺寸号 Nozzle dimension No.	等效口径 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°
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	40°
CTC-4047	4.7	●			10.7	15.1	18.6	21	24	26	28	34	
CTC-4067		●			15.3	22	26	31	34	37	40	48	43°
CTC-4070	5.5	●			16.0	23	28	32	36	39	42	50	
CTC-4085	6.4	●	●		19.4	27	34	39	43	47	51	61	50°
CTC-4308	1.9	●			1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	
CTC-4313	2.4	●	●		3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	55°
CTC-50033	1.2	●			0.75	1.1	1.3	1.5	1.7	1.8	2.0	2.4	
CTC-5024	3.2	●			5.5	7.7	9.5	10.9	12.2	13.4	14.5	17.3	58°
CTC-5033	4.0	●			7.5	10.6	13.0	15.0	16.8	18.4	19.9	24	
CTC-5037		●			8.4	11.9	14.6	16.9	18.9	21	22	27	60°
CTC-55054	1.6	●			1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	
CTC-5508	1.9	●			1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	65°
CTC-5824	3.2	●	●		5.5	7.7	9.5	10.9	12.2	13.4	14.5	17.3	
CTC-5833	4.0	●			7.5	10.6	13.0	15.0	16.8	18.4	19.9	24	68°
CTC-60054	1.6	●			1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	
CTC-65054	1.6	●			1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	70°
CTC-6513	2.4	●	●		3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	
CTC-6519	2.8	●	●		4.3	6.1	7.5	8.7	9.7	10.6	11.5	13.7	75°
CTC-6533	4.0	●			7.5	10.6	13.0	15.0	16.8	18.4	19.9	24	
CTC-6550	4.7	●			11.4	16.1	19.7	23	25	28	30	36	80°
CTC-6570	5.5	●			16.0	23	28	32	36	39	42	50	
CTC-6824	3.2	●			5.5	7.7	9.5	10.9	12.2	13.4	14.5	17.3	85°
CTC-6840		●			9.1	12.9	15.8	18.2	20	22	24	29	
CTC-6864		●			14.6	21	25	29	33	36	39	46	90°
CTC-6870	5.5	●			16.0	23	28	32	36	39	42	50	
CTC-70023	1.0	●			0.52	0.74	0.91	1.0	1.2	1.3	1.4	1.7	95°
CTC-80032	1.2	●			0.73	1.0	1.3	1.5	1.6	1.8	1.9	2.3	
CTC-80054	1.6	●			1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	100°
CTC-8008	1.9	●			1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	
CTC-80084	1.9	●			1.9	2.7	3.3	3.8	4.3	4.7	5.1	6.1	110°
CTC-8013	2.4	●			3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	
CTC-8024	3.2	●			5.5	7.7	9.5	10.9	12.2	13.4	14.5	17.3	120°
CTC-8033	4.0	●			7.5	10.6	13.0	15.0	16.8	18.4	19.9	24	
CTC-8040					9.1	12.9	15.8	18.2	20	22	24	29	130°
CTC-90016	0.79	●			0.36	0.52	0.63	0.73	0.82	0.89	0.96	1.2	
CTC-90054	1.6	●			1.2	1.7	2.1	2.5	2.8	3.0	3.3	3.9	140°
CTC-9013	2.4	●			3.0	4.2	5.1	5.9	6.6	7.3	7.8	9.4	

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
		10 bar	20 bar	30 bar	40 bar	60 bar	80 bar	100 bar	150 bar		
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°	

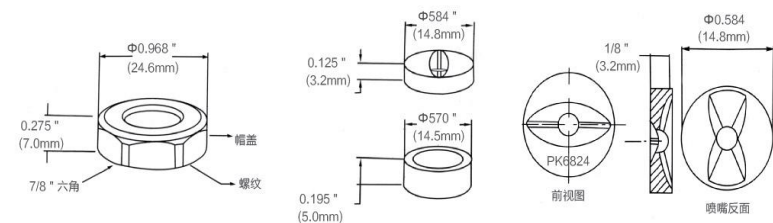
外形尺寸及安装方式图 Dimension and installation figure



一般应用 Common Application

- 低压扇形清洗
- 刮刀式吸水 and 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: 316SS	303SS	CTC	—6513—	SS	材质 Material: 303SS	CTY	—6513—	SS
喷嘴型号 Nozzle Model	序列号 Series No.	材质 Material	喷嘴型号 Nozzle Model	序列号 Series No.	材质 Material	序列号 Series No.	材质 Material	

拼合孔连接器 Split hole connector

7521 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)	8370 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)	15475 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)	12521 压力 Pressure: 70bar 流量 Flow rate: 19L/min 出口接头 Outlet connector: 1/8", 1/4" NPT or BSPT(female)
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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高伸入管道内，不使阻塞减至最小程度。丁腈橡胶垫圈能耐久多数物质腐蚀，提供了防漏密封。

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 the 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

拼合孔连接器 Split hole connector No.	夹管 Pipe		出口接头 Outlet connector NPT 或 BSPT		常用材料 Common material			最大压力 Max Pressure Bar	最大流量 Max Flow L/min
	管径尺寸 Pipe size 英寸 / Inch	管径外径 Pipe outer Dia (mm)			A*	B*	C*		
7521	1/2	20-22	1/8	1/4	●	●	●	17	11
	3/4	25-27	1/8	1/4	●	●	●		
	1	32-35	1/8	1/4	●	●	●		
12521	1/2	20-22	1/8	1/4	●	●	●	70	19
	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	●	●	9	45
	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	●	●	9	136
	3	76-89	1/2	3/4	1	●	●		
	4	102-114	1/2	3/4	1	●	●		

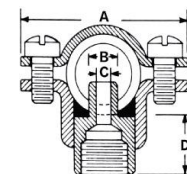
*A- 用于黄铜连接器的镀锌钢夹子和螺栓。 Galvanized steel and bolt used for brass connector

*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 Clamp 尺寸 size 出口接头尺寸 NPT 或 BSPT Outlet connector size



Y型液体过滤器 Y Type Liquid Filter



Y型螺纹连接式
Y type threaded connection



Y型法兰连接式
Y type flange connection

一般应用 Common Application

适用于蒸汽、空气、水、油品等系统管道中,保护各种计量仪器、泵机、阀门、各种喷嘴等设备。当需要清洗时,只要将可拆卸的滤筒取出,去除滤出的杂质后,重新装入即可,使用维护极为方便。

The products are used for steam,air water and oil etc.System of pipes to protect measuring instrument, Pumps,valves and nozzles etc.To clean them,it is only necessary to take out the detachable filter cylinder,remove the impurities and reinstall it.So the usage and maintenance are very easy.

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,防止颗粒性物质进入管道,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 screen,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 as inlet of hydraulic control valve,reducing valve,level control valve etc to reduce the impurities,so as to prevent granule 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
滤框滤网材质 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℃		

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
耐热耐高温: 80℃
空气渗透率: 220m³/m²/hr
过滤密度: 5μ-10 μ
重量: 240g/m²
初阻力: ≤298Pa

Raw material: 100% polyester fiber,thickness 0.75mm
Heat resistance: 80℃
Air permeation rate: 220m³/m²/hr
Filter density: 5μ-10 μ
Weight: 240g/m²
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, 不易粘附, 更易于脉冲反清洗。
- 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



FL-3

FKT

FL-3 / FKT Performance data

Orifice Performance Pressure (bar)	2 mm			3 mm			4 mm			5 mm			6 mm		
	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)
1.0	79	74	0.65	130	90	0.71	215	92	0.82	282	94	0.96	328	95	1.06
1.5	92	76	0.75	158	92	0.78	248	94	0.91	335	95	0.99	392	98	1.28
2.0	108	78	0.8	182	94	0.82	288	96	1.05	378	97	1.18	456	101	1.45
2.5	119	81	0.9	203	96	0.96	327	98	1.26	416	100	1.48	504	103	1.60
3.0	134	82	1.05	225	97	1.1	348	99	1.38	462	102	1.6	542	105	1.80



FL-4 1/2'' (Female)

FL-4 Performance data

Orifice Performance Pressure (bar)	4 mm			5 mm			6 mm			8 mm		
	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)
1.0	286	89	1.8	480	90	2	560	95	2.1	760	98	2.3
1.5	325	91	1.94	550	92	2.1	689	97	2.2	930	100	2.4
2.0	406	93	2.07	620	93	2.2	800	98	2.3	1100	102	2.5
2.5	470	94	2.26	680	95	2.28	900	99	2.45	1220	104	2.6
3.0	510	96	2.32	730	97	2.41	996	100	2.58	1350	106	2.72



FL-9 , 3/8", 1/2" (Female)

FL-9 Performance data

Orifice Performance Pressure (bar)	3 mm			4 mm			5 mm			6 mm		
	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)
1.0	167	89	0.90	210	92	0.92	264	93	0.98	320	95	1.10
1.5	205	91	0.94	255	94	0.96	326	95	1.10	392	98	1.28
2.0	237	94	0.98	295	96	1.10	372	97	1.20	460	100	1.45
2.5	259	96	1.05	328	98	1.30	420	100	1.35	510	102	1.62
3.0	295	98	1.15	355	102	1.40	465	102	1.45	550	104	1.83



FL-18

FL-18 Performance data

Orifice Performance Pressure (bar)	4 mm			5 mm			6 mm			7 mm			8 mm		
	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)	Flow (L/h)	Spray Angle	Spray Distance (m)
1.0	400	101	1.80	480	103	2.0	570	105	2.10	650	107	2.20	730	110	2.40
1.5	480	103	1.90	560	105	2.15	650	108	2.30	735	110	2.40	820	112	2.55
2.0	550	105	2.10	630	108	2.30	720	110	2.50	815	115	2.65	910	117	2.70
2.5	630	108	2.20	700	110	2.45	790	115	2.65	900	118	2.75	1000	120	2.85
3.0	700	110	2.35	780	115	2.65	860	118	2.75	980	120	2.85	1080	125	3.00



FD-3

内含过滤网及防滴漏装置 10/24", 12/24", 1/8"
Anti-dripping design and filter inside
10/24", 12/24", 1/8" BSPT



FD-2

防滴漏装置 10/24", 12/24", 1/8" BSPT
Anti-dripping design
10/24", 12/24", 1/8" BSPT



PJ

1/8", 1/4 英寸 NPT 或 BSPT(外)
1/8", 1/4" NPT or BSPT(male)

设计特点 Design Feature

FD 微细雾化喷嘴特点

- * 具防滴漏功能
- * 雾化颗粒径为20-30微米左右
- * 喷射角度为60°-70°
- * 材料可选黄铜或不锈钢

FD Fine Mist Spray Nozzle Features

- * Anti-dripping function
- * Droplet size is 20-30 μm
- * Spray angle can range from 60° to 70°
- * Material can be brass and stainless steel or brass with nickel plated

PJ 微细雾化喷嘴特点

- * 雾化颗粒径为15-20微米
- * 喷射角度为60°到180°
- * 喷嘴材料可选不锈钢或红宝石

PJ Fine Mist Spray Nozzle Features

- * Droplet size is from 15-20 μm
- * Spray angle can range from 60° to 180°
- * Material of orifice can be brass and ruby

性能数据 Performance Data

Data of FD

Style No.	Orifice	Flow (L/min)										
		14bar	21bar	28bar	35bar	42bar	56bar	70bar	84bar	100bar	120bar	
1510	0.15	-	-	-	0.029	0.033	0.036	0.041	0.046	0.051	0.059	0.074
2010	0.20	-	-	0.049	0.056	0.063	0.069	0.080	0.089	0.098	0.101	0.114
3010	0.30	-	0.065	0.080	0.092	0.103	0.113	0.130	0.145	0.159	0.166	0.176
4010	0.40	0.056	0.080	0.098	0.113	0.126	0.138	0.159	0.178	0.195	0.201	0.215
5010	0.50	0.077	0.109	0.134	0.154	0.172	0.189	0.218	0.248	0.267	0.275	0.301

Data of PJ

Thread size	Style No.	Orifice Dia. (mm)	Covering area dia. (mm)	Flow Rate (Liters / min)							
				2 bar	3 bar	5 bar	10 bar	20 bar	30 bar	50 bar	70 bar
1/8	PJ15	0.15	403				0.0432	0.061	0.075	0.097	0.114
	PJ20	0.20	454			0.058	0.082	0.116	0.142	0.183	0.217
	PJ25	0.25	454		0.0671	0.0866	0.123	0.173	0.212	0.274	0.324
	PJ30	0.30	454		0.0908	0.117	0.166	0.234	0.287	0.371	0.439
	PJ38	0.38	454	0.119	0.146	0.189	0.267	0.377	0.462	0.596	0.705
	PJ50	0.50	510	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28
1/4	PJ60	0.60	590	0.322	0.395	0.51	0.721	1.02	1.25	1.61	1.91
	PJ70	0.70	660	0.419	0.513	0.662	0.9368	1.32	1.62	2.09	2.48
	PJ80	0.80	730	0.58	0.71	0.917	1.2972	1.83	2.25	2.99	3.43
	PJ100	1.0	810	0.902	1.11	1.43	2.02	2.85	3.49	4.51	5.34

一般应用 Common Application

- * 厂房加湿
- * 人造雾
- * 部件冷却
- * 瓷砖上釉
- * 药片涂层
- * 杀菌消毒
- * 农业浇灌
- * 园林景观
- * 舞台烟雾
- * Humidifying
- * Used as artificial fog
- * Cooling
- * Painting
- * Coating
- * Sterilization or disinfection
- * Agricultural watering
- * Fog landscape
- * Perform stage fog

订购信息 Order information



精細雾化喷嘴

Super-fine atomizing nozzle

精細雾化喷嘴

Super-fine atomizing nozzle



FD-3

内含过滤网及防滴漏装置 3/16" 和 1/8" BSPT
Anti-dripping design and filter inside
3/16" and 1/8" BSPT



FD-2

防滴漏装置 3/16" 和 1/8" BSPT
Anti-dripping design
3/16" and 1/8" BSPT



PJ

1/8", 1/4 英寸 NPT 或 BSPT(外)
1/8", 1/4" NPT or BSPT(male)

设计特点 Design Feature

FD 微细雾化喷嘴特点

- * 具防滴漏功能
- * 雾化颗粒径为20-30微米左右
- * 喷射角度为40-60°
- * 材料可选黄铜或不锈钢

FD Fine Mist Spray Nozzle Features

- * Anti-dripping function
- * Droplet size is 20-30 μm
- * Spray angle can range from 40° to 60°
- * Material can be brass and stainless steel

PJ 微细雾化喷嘴特点

- * 雾化颗粒径为15-20微米
- * 喷射角度为60°到180°
- * 喷嘴材料可选不锈钢或红宝石

PJ Fine Mist Spray Nozzle Features

- * Droplet size is from 15-20 μm
- * Spray angle can range from 60° to 180°
- * Material of orifice can be brass and ruby

性能数据 Performance Data

Data of FD

Style No.	Orifice mm	Flow (L/min)										
		14bar	21bar	28bar	35bar	42bar	56bar	70bar	84bar	100bar	120bar	
1510	0.15	-	-	-	0.029	0.033	0.036	0.041	0.046	0.051	0.059	0.074
2010	0.20	-	-	0.049	0.056	0.063	0.069	0.080	0.089	0.098	0.101	0.114
3010	0.30	-	0.065	0.080	0.092	0.103	0.113	0.130	0.145	0.159	0.166	0.178
4010	0.40	0.056	0.080	0.098	0.113	0.126	0.138	0.159	0.178	0.195	0.201	0.215
5010	0.50	0.077	0.109	0.134	0.154	0.172	0.189	0.218	0.248	0.267	0.275	0.301

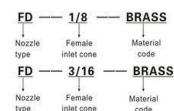
Data of PJ

Thread size	Style No.	Orifice Dia. (mm)	Covering area dia. (mm)	Flow Rate (Liters / min)							
				2 bar	3 bar	5 bar	10 bar	20 bar	30 bar	50 bar	70 bar
1/8 or 1/4	PJ15	0.15	403				0.0432	0.061	0.075	0.097	0.114
	PJ20	0.20	454			0.058	0.082	0.116	0.142	0.183	0.217
	PJ25	0.25	454		0.0671	0.0866	0.123	0.173	0.212	0.274	0.324
	PJ30	0.30	454		0.0908	0.117	0.166	0.234	0.287	0.371	0.439
	PJ38	0.38	454	0.119	0.146	0.189	0.267	0.377	0.462	0.596	0.705
	PJ50	0.50	510	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28
1/4	PJ60	0.60	530	0.322	0.395	0.51	0.721	1.02	1.25	1.61	1.91
	PJ70	0.70	660	0.419	0.513	0.662	0.9388	1.32	1.62	2.09	2.48
	PJ80	0.80	710	0.58	0.71	0.917	1.2972	1.83	2.25	2.99	3.43
	PJ100	1.0	810	0.902	1.11	1.43	2.02	2.85	3.49	4.51	5.34

一般应用 Common Application

- * 厂房加湿
- * 人造雾
- * 部件冷却
- * 瓷砖上釉
- * 药片涂层
- * 杀菌消毒
- * 农业浇灌
- * 园林景观
- * 舞台喷雾
- * Humidifying
- * Used as artificial fog
- * Cooling
- * Painting
- * Coating
- * Sterilization or disinfection
- * Agricultural watering
- * Fog landscape
- * Perform stage fog

订购信息 Order information



精
细
雾
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喷
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Super-fine atomizing nozzle

精
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喷
嘴

Super-fine atomizing nozzle