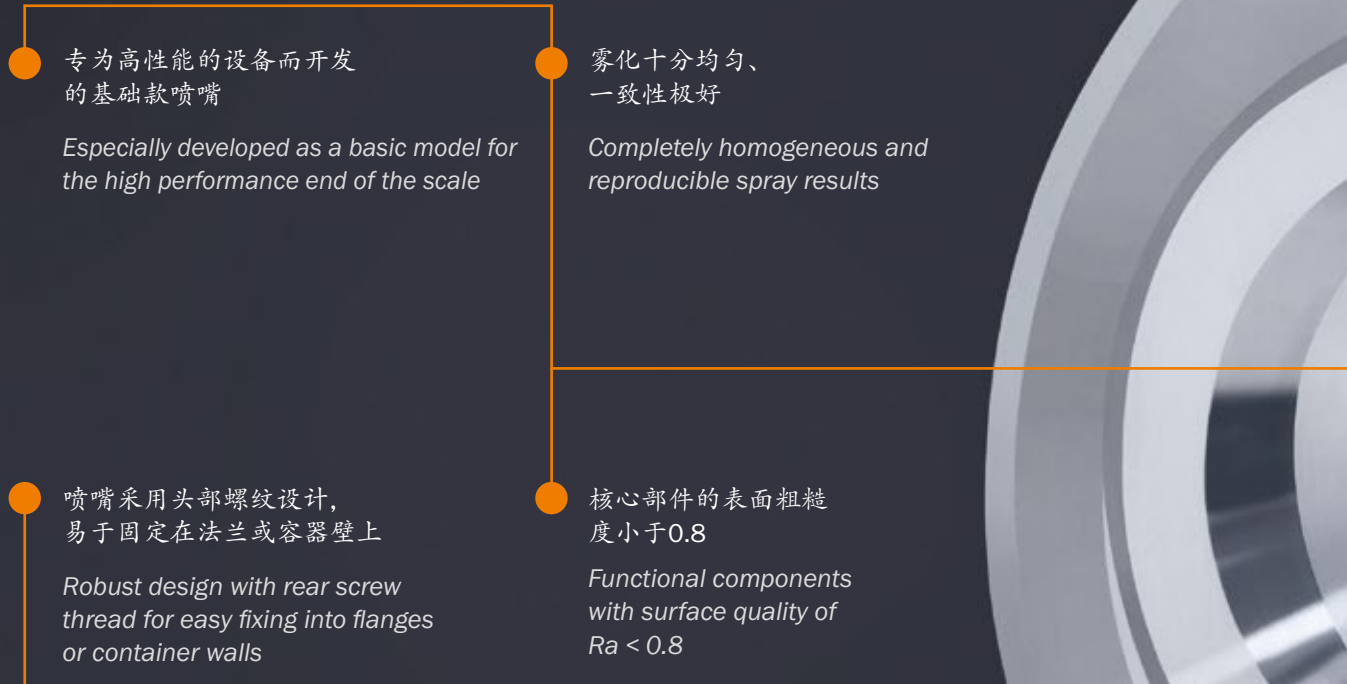


822-854 系列喷嘴 Series 822-854

Mod. 822-854



● 专为高性能的设备而开发的基础款喷嘴

Especially developed as a basic model for the high performance end of the scale

● 雾化十分均匀、一致性极好

Completely homogeneous and reproducible spray results

● 喷嘴采用头部螺纹设计，易于固定在法兰或容器壁上

Robust design with rear screw thread for easy fixing into flanges or container walls

● 核心部件的表面粗糙度小于0.8

Functional components with surface quality of Ra < 0.8

为雾化技术而生 施利克经典喷嘴系列

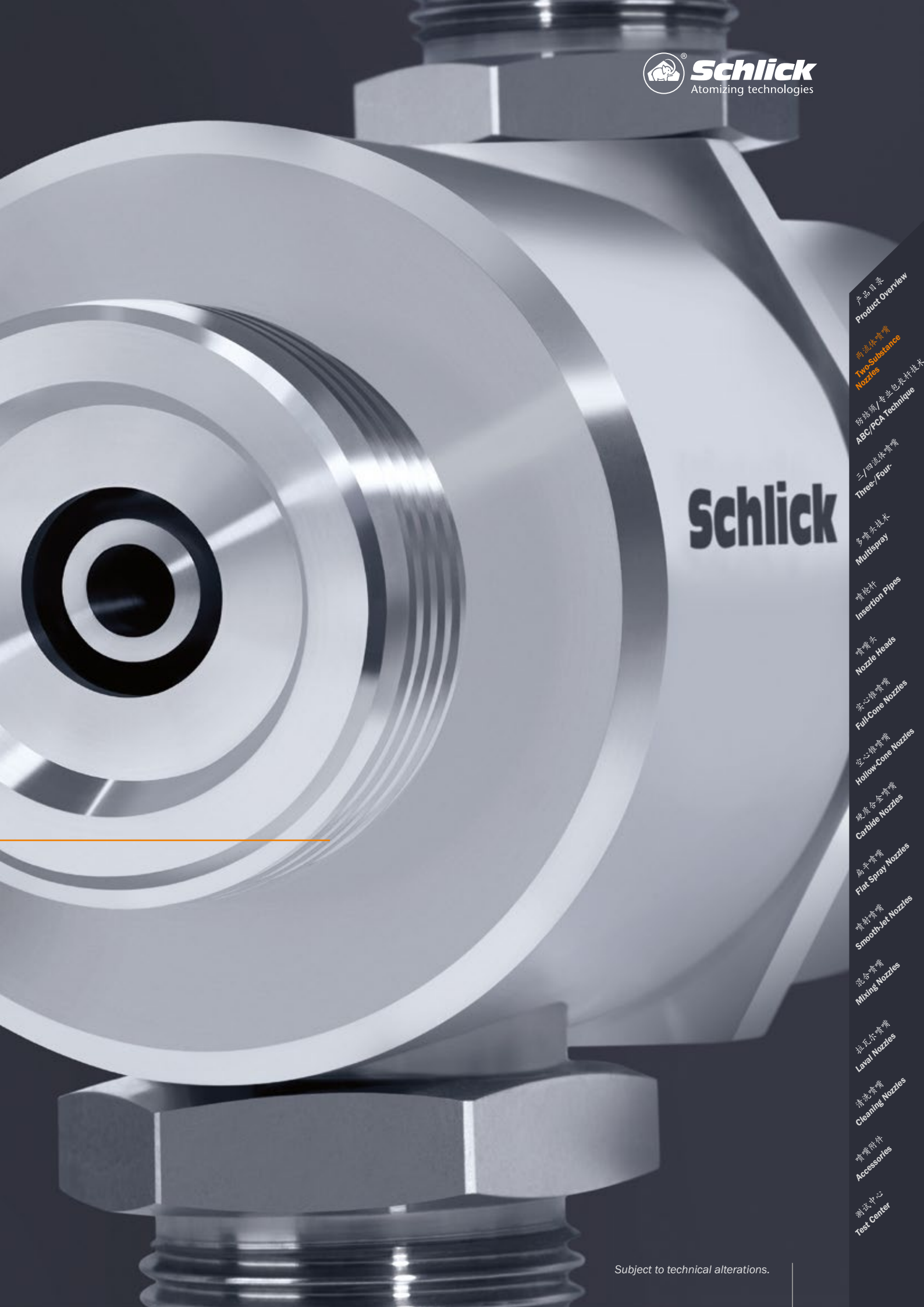
喷嘴可选材料 *Materials*

- 耐酸不锈钢 - Acid resistant stainless steel
- 耐热不锈钢 - Heat resistant stainless steel
- 黄铜 - Brass
- 钛金属 - Titanium
- 哈氏合金 - Hastelloy
- 铬镍铁合金 - Inconel
- 客户指定材料 - Custom materials available on request

如有技术变更，恕不另行通知。

两流体喷嘴/圆锥形/外混型
Two-Substance Nozzles / Full-Cone / External Mixing





产品目录
Product Overview

两液体喷嘴
Two-Substance
Nozzles

防滴漏/专业泡沫剂技术
ABC/PCA Technique

三/四液体喷嘴
Three-/Four-

多喷头技术
Multispray

喷嘴杆
Insertion Pipes

喷嘴头
Nozzle Heads

实心锥喷嘴
Full Cone Nozzles

空心锥喷嘴
Hollow Cone Nozzles

硬质合金喷嘴
Carbide Nozzles

扁平喷嘴
Flat Spray Nozzles

喷射喷嘴
Smooth-Jet Nozzles

混合喷嘴
Mixing Nozzles

拉瓦尔喷嘴
Laval Nozzles

清洗喷嘴
Cleaning Nozzles

喷嘴附件
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822-854 系列喷嘴

Series 822-854

Mod. 822-854

两流体喷嘴/全锥形/外混型
Two-Substance Nozzles / Full-Cone / External Mixing



此系列喷嘴适用于 高粘度流体雾化

822-854系列喷嘴的液体最小流量是940和970系列喷嘴的最大流量,此系列喷嘴用于需要较大雾化面积的情况,雾化气体的消耗也大。

使用822-854系列喷嘴用于大面积雾化时,雾化介质采用压缩空气、煤气或蒸汽(0.5bar以上)

基于液体的粘度、密度和表面张力,液体可采用真空吸入也可通过压力泵入,某些情况下,此系列喷嘴也可用作喷射喷嘴

外混型二流体喷嘴,可以单独控制流量大小和雾化液滴大小。

此系列喷嘴,流量大小基本都是通过压力差控制的。在带有针阀的喷嘴型号(设计形式1)中,流量也可以通过针阀的调节来调节

822-854系列喷嘴有两种设计

High performance for a range of viscosities

The performance range of the SCHLICK model series 822-854 begins at the upper limits of model series 940 and 970. Two-substance units are used throughout this range, where a large reaction or exchange surface is needed by large air flow rates.


With the SCHLICK model series 822-854 the liquid is applied to a large specific surface using compressed air, gas or steam – from 0.5 bar (g).






Depending on the viscosity, density and surface tension, the liquid can be aspirated over a gradient or fed under pressure. Within certain limits, the nozzles can also act as injectors.

External-mix two-substance nozzles allow independent control of the flow rate and fineness of the atomisation.

The flow rate for all models is controlled through the current liquid pressure difference. In the model with a regulating needle (design 1) the flow rate can also be regulated in accordance with the needle setting.

There are two possible designs of nozzle system.

	雾化形状:	实心锥形
	喷雾角度: (也可通过尾部旋钮调整)	20° - 40°
	液滴大小:	20 - 200 微米
	处理量:	0,3 - 40 升/分钟
	标准喷嘴孔径: 孔径也可根据客户定制	2,0 / 3,0 / 4,0 / 6,0 / 8,0 / 10,0 mm

	Spray pattern:	circular full-cone
	Spray angle: (also adjustable through shaft position)	20° - 40°
	Droplet size:	20 - 200 μm
	Capacity:	0.3 - 40 l/min
	Standard orifices: Customized bore sizes on request	2.0 / 3.0 / 4.0 / 6.0 / 8.0 / 10.0 mm

创新的产品设计

- 安装拆卸非常简单
- 适用于大流量雾化气场合
- 雾化角度可在20°~40°之间任意调节
- 应用场合极为广泛
- 终身售后服务保障
- 免费产品设计和技术支持

Innovative product design

- Extremely easy installation/de-installation
- Designed for high air flow rate performance
- Continuously adjustable setting of the scatter cone from 20-40°
- Very wide range of applications
- Long-term after-sales warranty
- Engineering free of charge

设计形式0的喷嘴为中心进液
 设计形式1的喷嘴带有针阀

设计形式0的喷嘴, 没有预雾化, 适用于高粘度流体的雾化, 可根据设置调节能力、污染风险和流体粘度情况, 加装涡流旋转体, 或者三槽涡流旋转体, 安装三槽涡流旋转体可以获得较好的预雾化效果, 但同时会存在液体堵塞的风险。

在设计形式1中, 也可以通过调节针阀来调节液体流量大小。

Design 0 with central liquid feed and Design 1 with a liquid regulation needle:

Design 0 - without pre-atomisation - is especially well suited to the atomisation of highly viscous media. Depending on the ability to regulate, the contamination risk and the viscosity, a full-cone swirl chamber or even a three-slotted swirl chamber can be fitted for atomisation. The three-slotted swirl chamber provides better pre-atomisation but is more susceptible to blockages.

With design 1 the liquid flow can also be set using the liquid-regulating needle.

喷嘴采用头部螺纹设计, 易于固定在法兰或容器壁上

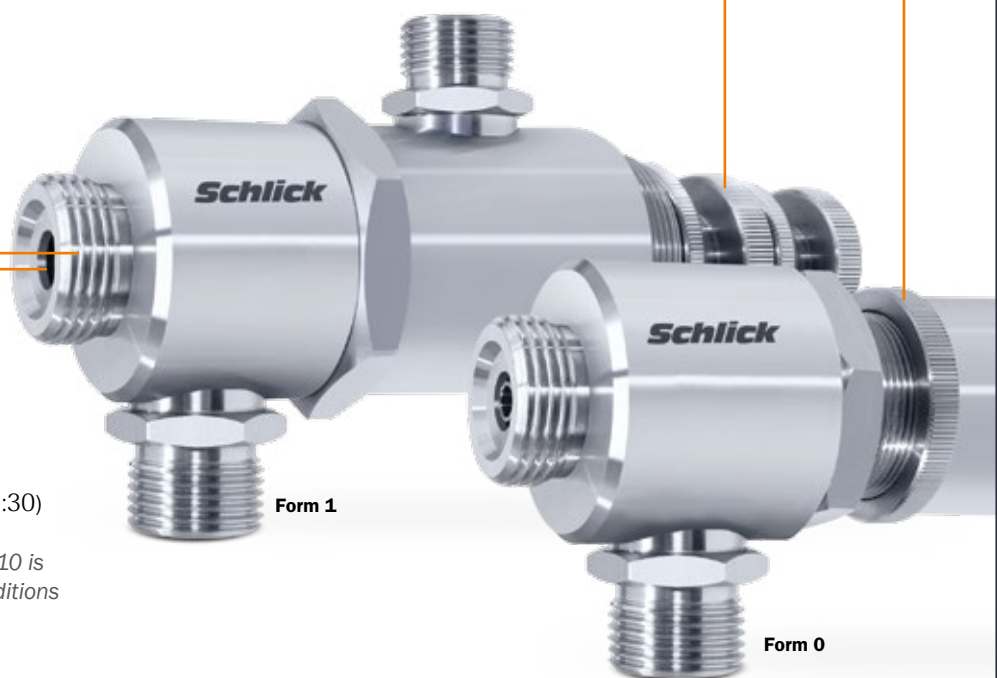
Standard set-up with rear screw thread for easy installation to a flange or container wall.

通过调整针阀旋钮, 雾化角度可在20°~40°之间调节

The scatter cone can also be set between 20° and 40° through the shaft position.

液体控制范围可以是1:10 (在某些情况下也可以达到1:30)

A liquid control range of 1 : 10 is possible (under certain conditions also 1 : 30).



Form 1

Form 0

myschlick.com

822-854 系列喷嘴 Series 822-854

Mod. 822-854

两流体喷嘴/全锥形/外混型
Two-Substance Nozzles / Full-Cone / External Mixing



如有技术变更,恕不另行通知。

应用

- 吸附
- 包衣
- 精整
- 流化床技术
- 造粒
- 混合
- 石油、酒精回收
- 工艺工程
- 喷雾干燥
- 增稠
- 烟草工业

Applications

- Adsorption
- Coating
- Finishing
- Fluid bed technology
- Granulating
- Mixing
- Oil, alcohol recovery
- Process engineering
- Spray drying
- Thickening
- Tobacco industry
(casing, flavouring)

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Smooth-Jet Nozzles

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Laval Nozzles

清洗喷嘴
Cleaning Nozzles

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具体技术参数

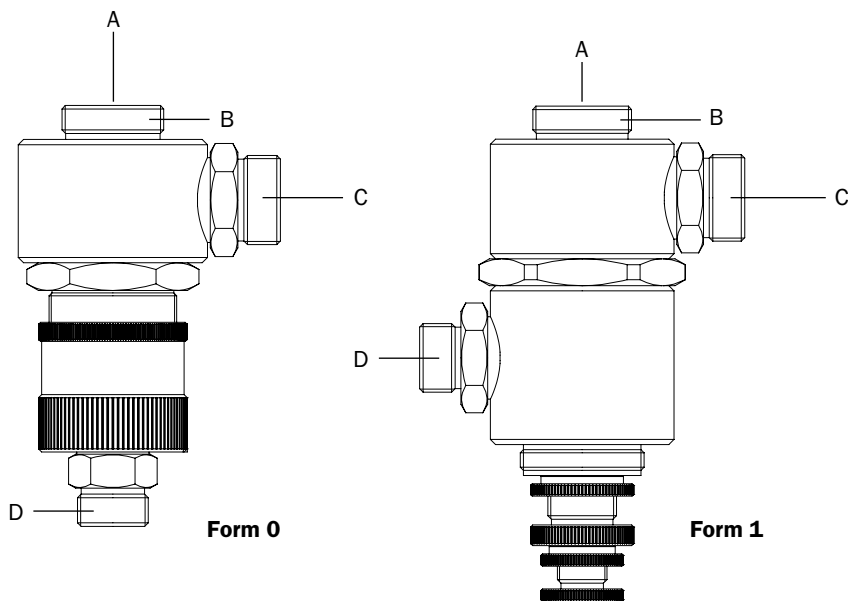
Technical Details



822-854 系列喷嘴尺寸

Dimensions of model 822-854

型号 Model	822	825	827	834	844	854
喷芯孔径(mm) (A) Bore diameter liquid insert in mm	2	3	4	6	8	10
安装螺纹接口 (B) Screw fitting	1/2	1/2	3/4	1	1 1/4	1 1/2
雾化气接口螺纹 (C) Air inlet port	3/8	1/2	1/2	3/4	1	1 1/4
液体接口螺纹 (D) Liquid inlet port	1/4	3/8	3/8	1/2	1/2	1
高度(设计形式0) Height, Form 0 in mm	120	120	130	160	160	200
高度(设计形式1) Height, Form 1 in mm	145	145	175	210	210	280



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就像前面提到的, 针对所有Schlick提供的产品, 客户能从Schlick获得快速的、高效的、长期的售后服务保障, 而且可以选择维修, 也可以选择喷嘴更新升级, 针对客户的突发状况, 我们能在最短时间提供维修配件。

As well as competent advice and its inception, you can profit from an efficient after-sales service that guarantees long-term supply of all products. We carry out both repair and conversion of SCHLICK Spray Nozzles, and in emergency, we can supply spare parts quickly and reliably.

827 型喷嘴的雾化情况
Spray model 827



Subject to technical alterations.

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 Substance Nozzles

多喷头技术
 Multispray

喷嘴杆
 Insertion Pipes

喷嘴头
 Nozzle Heads

实心锥喷嘴
 Full-Cone Nozzles

空心锥喷嘴
 Hollow-Cone Nozzles

硬质合金喷嘴
 Carbide Nozzles

扁平喷嘴
 Flat-Spray Nozzles

喷射喷嘴
 Smooth-Jet Nozzles

混合喷嘴
 Mixing Nozzles

拉瓦尔喷嘴
 Laval Nozzles

清洗喷嘴
 Cleaning Nozzles

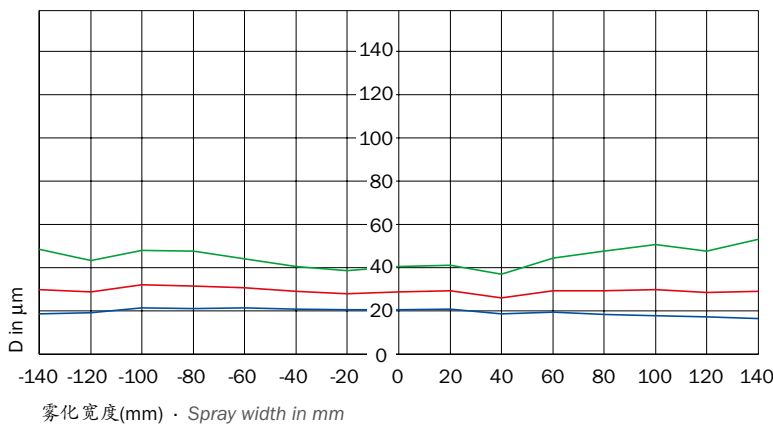
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测试中心
 Test Center

具体技术参数 Technical Details

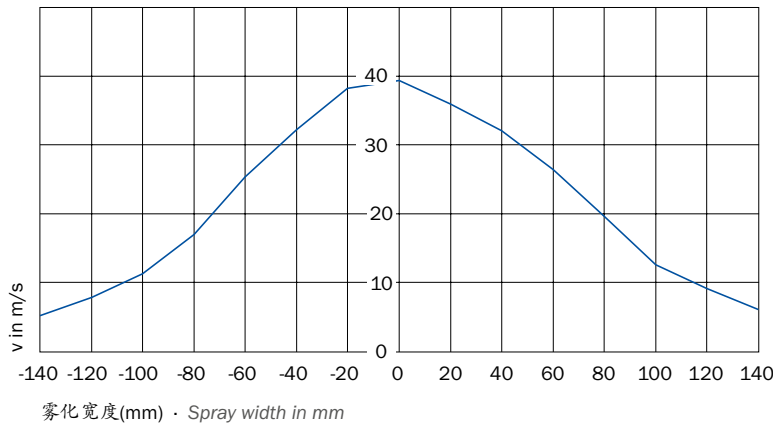
Mod. 822-854

两流体喷嘴/全锥形/外混型
Two-Substance Nozzles / Full-Cone / External Mixing



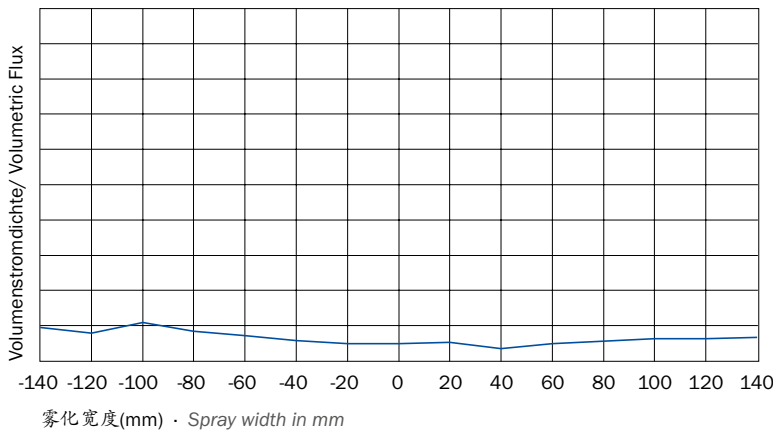
854/0 型喷嘴的液滴大小
 喷嘴孔径: 10mm, 雾化宽度: 280mm,
 距离: 500mm, 液体流量: 100升/小时,
 雾化空气消耗: 250立方/小时,
 雾化空气压力: 3bar, 定子位置: "normal"

Droplet size of Mod. 854/0
 Bore diameter: 10.0 mm, spray width: 280 mm,
 distance: 500 mm, liquid throughput: 100 l/h,
 atomization air consumption: 250 Nm³/h, atomization
 air pressure: 3.0 bar (g), spindle position: "normal"



854/0 型喷嘴的雾化速度
 喷嘴孔径: 10mm, 雾化宽度: 280mm,
 距离: 500mm, 液体流量: 100升/小时,
 雾化空气消耗: 250立方/小时,
 雾化空气压力: 3bar, 定子位置: "normal"

Velocities of Model 854/0
 Bore diameter: 10.0 mm, spray width: 280 mm,
 distance: 500 mm, liquid throughput: 100 l/h,
 atomization air consumption: 250 Nm³/h, atomization
 air pressure: 3.0 bar (g), spindle position: "normal"



854/0 型喷嘴的体积密度
 喷嘴孔径: 10mm, 雾化宽度: 280mm,
 距离: 500mm, 液体流量: 100升/小时,
 雾化空气消耗: 250立方/小时,
 雾化空气压力: 3bar, 定子位置: "normal"

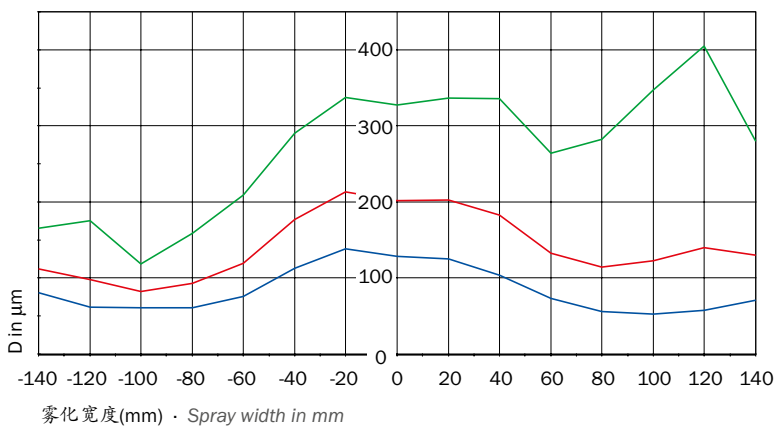
Volume density of Mod. 854/0
 Bore diameter: 10.0 mm, spray width: 280 mm,
 distance: 500 mm, liquid throughput: 100 l/h,
 atomization air consumption: 250 Nm³/h, atomization
 air pressure: 3.0 bar (g), spindle position: "normal"

相位多普勒测量技术—
雾化效果可测量

SCHLICK 测量系统采用双相位激光多普勒测试原理 (5瓦氩离子激光器), 能精准测量雾化液滴颗粒参数和其流动特性

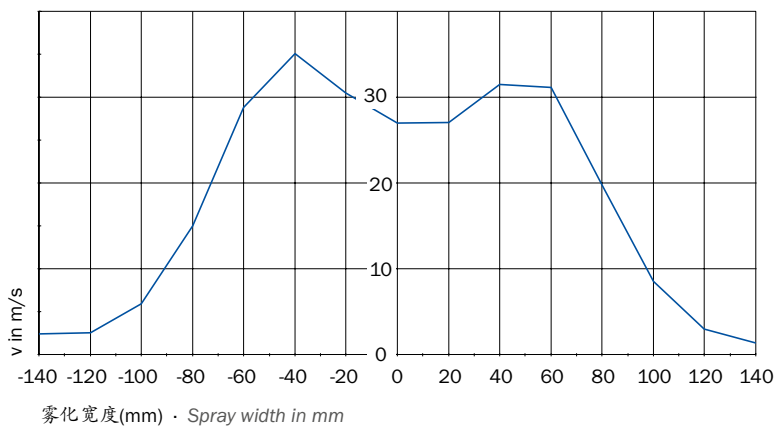
PDA measurement technology –
measurable success

SCHLICK uses a drop measurement device designed according to the dual PDA principle (Phase-Doppler Anemometry), with a 5-watt (argon-ionic) continuous wave laser.



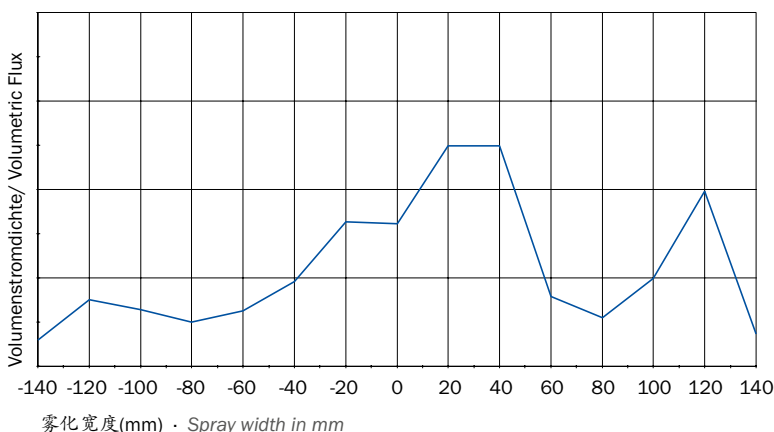
854/0 型喷嘴的雾化液滴大小
 喷嘴孔径: 10毫米, 雾化宽度: 280毫米,
 距离: 300毫米, 液体流量: 1400升/小时,
 雾化空气消耗: 250立方/小时,
 雾化空气压力: 3Bar, 定子位置: “Normal”

Droplet size of Mod. 854/0
 Bore diameter: 10.0 mm, spray width: 280 mm,
 distance: 300 mm, liquid throughput: 1400 l/h,
 atomization air consumption: 250 Nm³/h, atomization air
 pressure: 3.0 bar (g), spindle position: “normal”



854/0 型喷嘴雾化速度
 喷嘴孔径: 10毫米, 雾化宽度: 280毫米,
 距离: 300毫米, 液体流量: 1400升/小时,
 雾化空气消耗: 250立方/小时,
 雾化空气压力: 3Bar, 定子位置: “Normal”

Velocities of Model 854/0
 Bore diameter: 10.0 mm, spray width: 280 mm,
 distance: 300 mm, liquid throughput: 1400 l/h,
 atomization air consumption: 250 Nm³/h, atomization air
 pressure: 3.0 bar (g), spindle position: “normal”



854/0 型喷嘴的雾化体积密度
 喷嘴孔径: 10毫米, 雾化宽度: 280毫米,
 距离: 300毫米, 液体流量: 1400升/小时,
 雾化空气消耗: 250立方/小时,
 雾化空气压力: 3Bar, 定子位置: “Normal”

Volume density of Mod. 854/0
 Bore diameter: 10.0 mm, spray width: 280 mm,
 distance: 300 mm, liquid throughput: 1400 l/h,
 atomization air consumption: 250 Nm³/h, atomization air
 pressure: 3.0 bar (g), spindle position: “normal”