

Hydraulic Even Flat Spray Nozzles with Large Turndown* Ratio

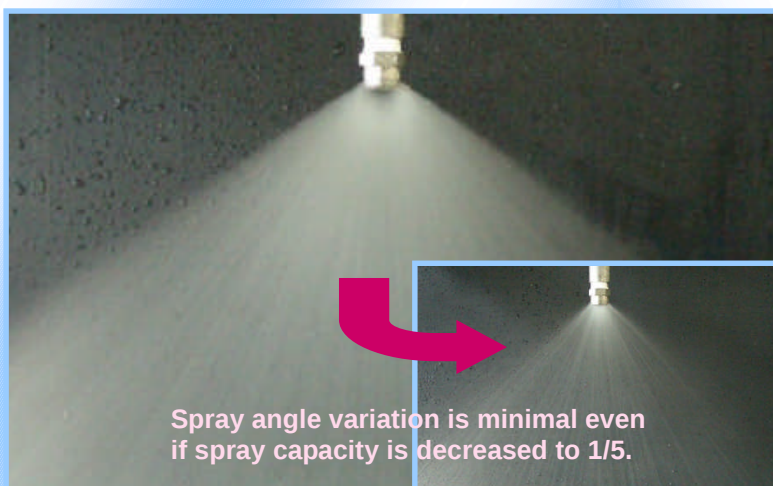
*Spray flow-rate adjustable range

VVEP-HL series

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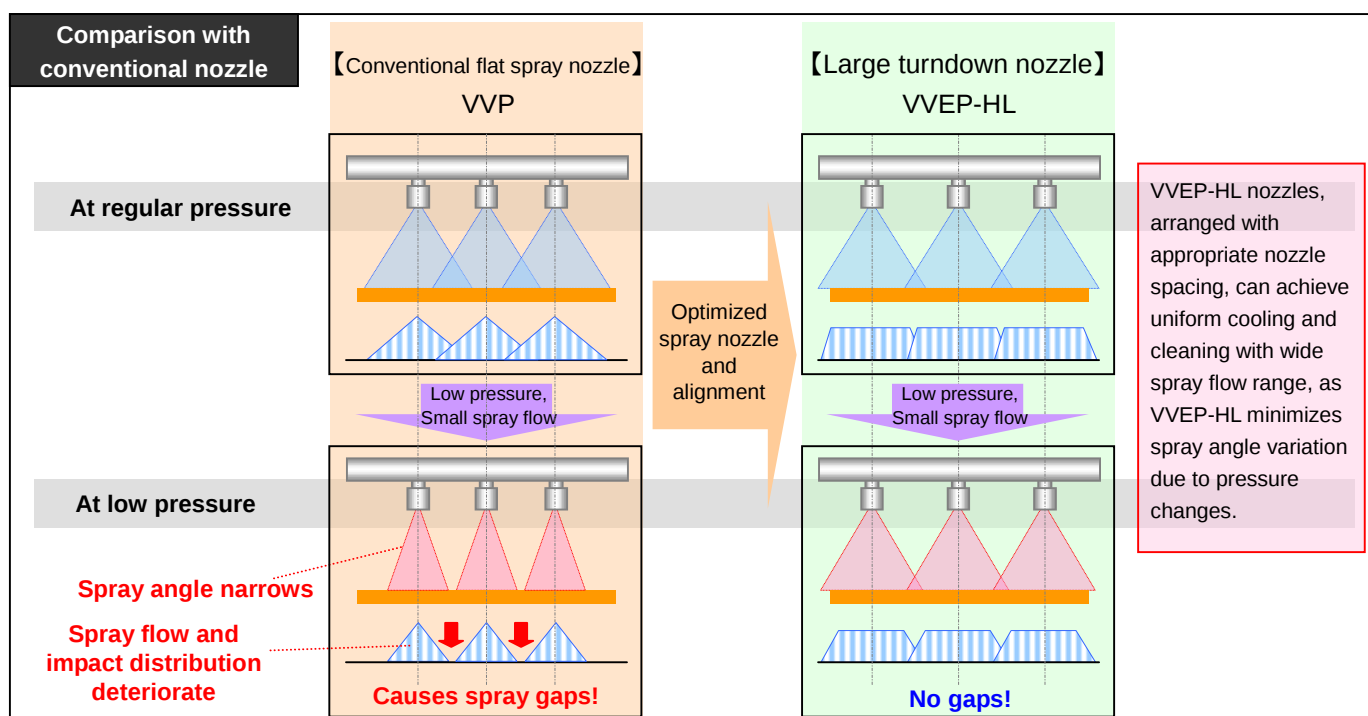
- ◆ Maintains even distribution while minimizing variation in spray angle even when spray pressure is changed.
- ◆ Effective particularly for small spray flow control at low pressures.

Having a large turndown ratio of spray flow-rate, VVEP-HL is optimal for applications where spray capacity needs to be changed depending on the spray target and applications.



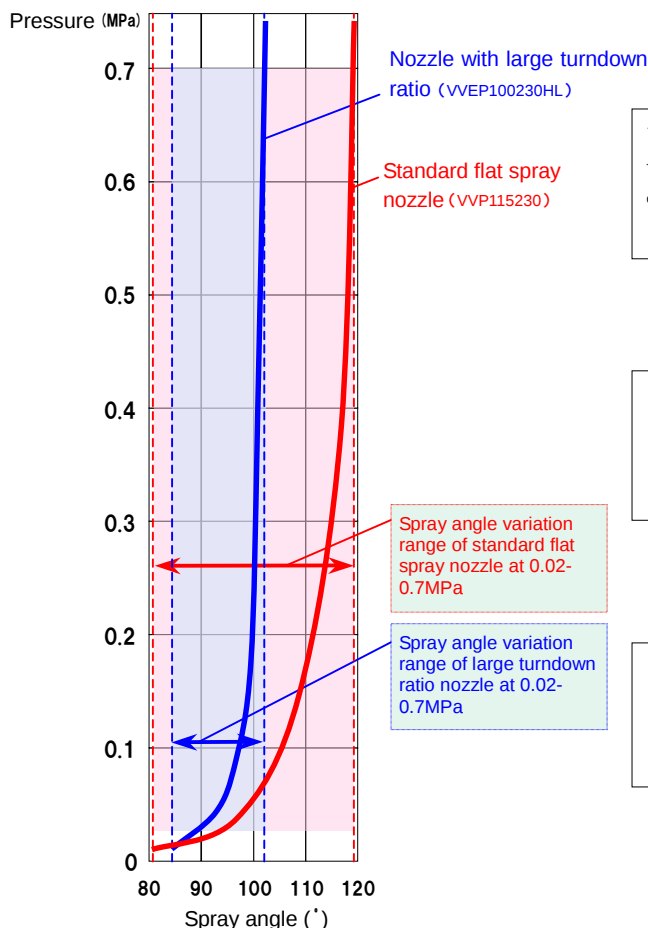
Applications

- Cooling:
Steel plate, cast steel, cast metal, extruded aluminum,
 - Cleaning:
Steel plate cleaning after pickling
 - Others:
Applications which require a large turndown ratio
- ★Ideal for hydraulic spray cooling which requires changing of spray capacity, especially for upper zone and under molding of continuous casting machines, and for control cooling.

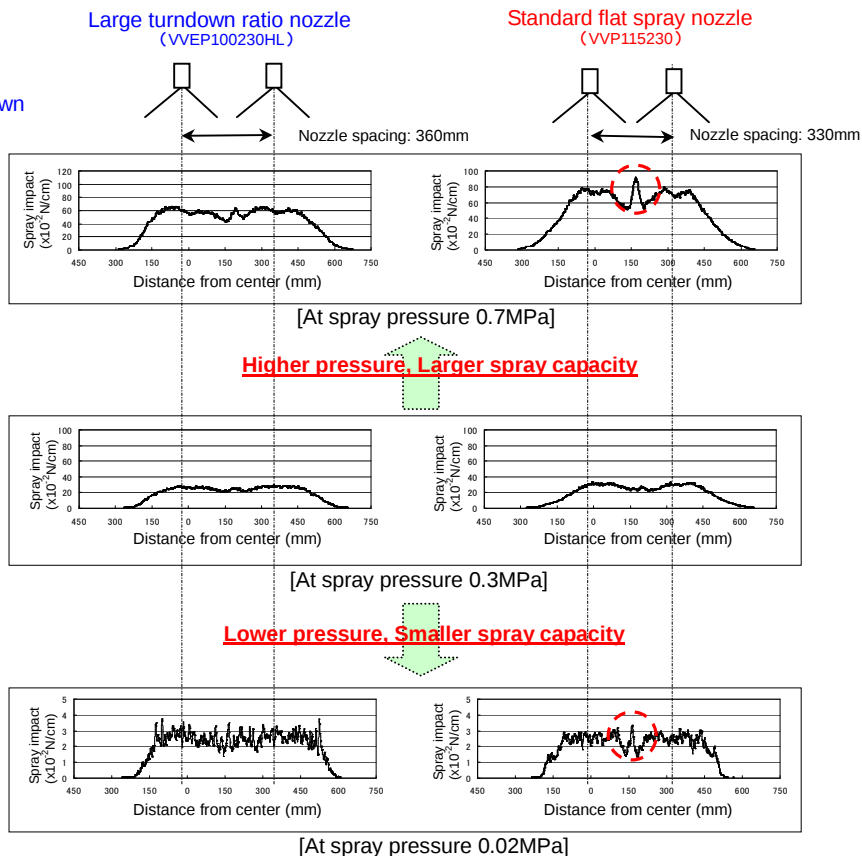


【Relation of pressure and spray angle】

Spray capacity: 23L/min(at 0.3MPa)

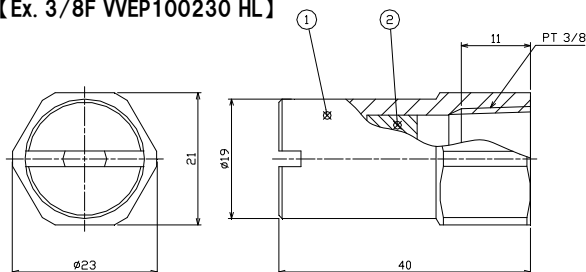


【Comparison of interference spray impact in pressure changes】



■ Dimensions of 3/8F VVEP100230 HL

【Ex. 3/8F VVEP100230 HL】



①Body ②Sleeve

Standard material: S303 (stainless steel 303)

■ Models in production

Nozzle code					Spray angle(°)	Spray capacity (L/min)					Free passage diameter (mm)
Pipe conn. size	Series	Spray angle code	Spray capacity code	Material		0.3 MPa	0.02 MPa	0.1 MPa	0.3 MPa	0.5 MPa	0.7 MPa
1/4F	VVEP	100	30	HL	100	100	0.9	1.8	3	3.9	4.5
3/8F			230				6.5	13	23	30	36
1/2F			1240				35	72	124	158	185

■ How to inquire/order

Pipe conn. size	Series	Spray angle code	Spray capacity code	—	Material
■ 1/4F	VVEP	100	■ 30	HL	S303
■ 3/8F			■ 230		
■ 1/2F			■ 1240		

Please refer to "How to inquire/order" and specify the nozzle codes.

If you need a custom-made nozzle, please inform us of detailed specifications including 1) spray flow range you desire, 2) your current nozzle arrangement, 3) spray height.

We will be pleased to recommend the optimal nozzles and their arrangement according to your application and purpose.

 "The Mist Engineers"
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