



Honey Vane S

GENERAL SPECIFICATION
GS.No.GCF002E-2

■ GENERAL

To ensure its inherent meter accuracy, it is essential that the flow velocity pattern at the inlet of an inferential flowmeter be uniform and stable. Designed to be installed upstream of the flowmeter, the Honey Vane S offers substantial space saving for the required length of its straight pipe, compared with traditional straight pipes and flow straighteners.

■ FEATURES

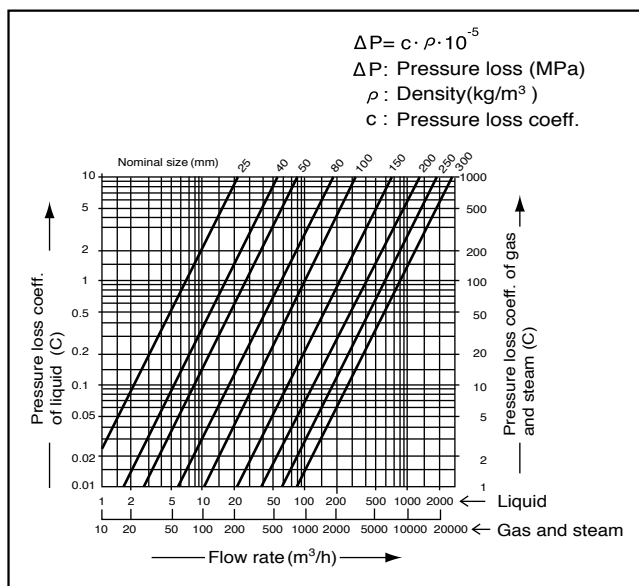
1. Compatible with other OVAL flowmeters, including DELTA flow meters (vortex meters), EX Turbine (turbine meters), and orifice meters.
2. Designed to be sandwiched between flanges for simplicity of installation.



■ GENERAL SPECIFICATIONS

Product name	Honey Vane S (a disc flow straightener with multiple round holes)
Configuration	Wafer type (to be sandwiched between flanges)
Applicable nom. size.	25, 40, 50, 80, 100, 150, 200, 250, 300mm
Flange ratings	JIS 10, 16, 20, 30K ASME (JPI) 150, 300
Material	SUS316
Applicable pipe	Nominal thickness Sch40, Sch80
Acceptable fluids	Standard: Liquid, gas, steam

■ PRESSURE LOSS



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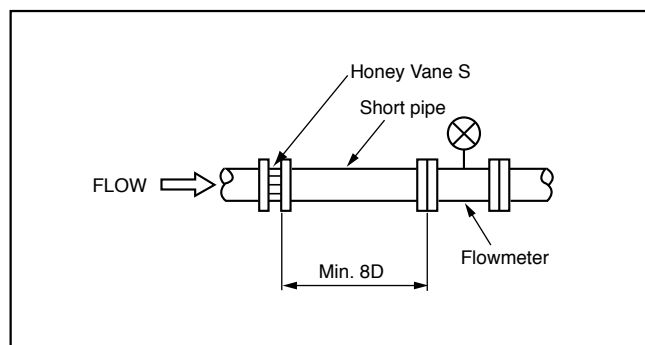
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■ INSTALLATION

1 Required straight pipe length

Provide at least 8D between the flowmeter and Honey Vane S where D is the straight pipe diameter.

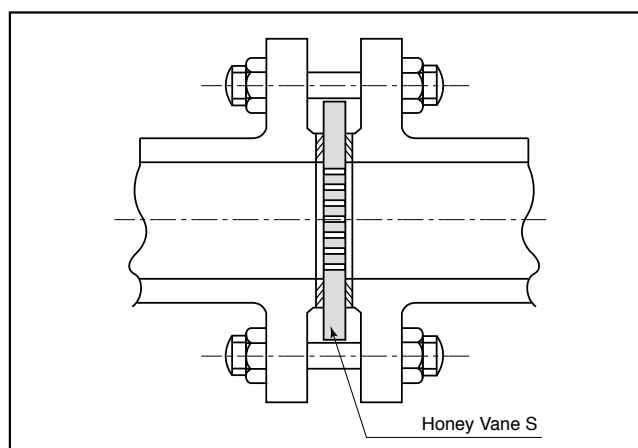


2 Installation (wafer type)

Sandwich between flanges (see figure below).

NOTE:

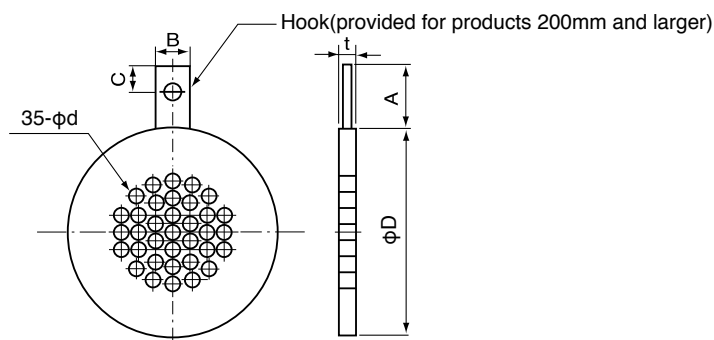
- Customer to furnish connecting bolts, nuts and gasket for the pipe.
- Regarding the bolts and nuts used for connecting JPI flange, adopt unified screw threads. If you want to use metric screw threads, contact OVAL.



■ PRODUCT CODE NUMBER

Item	Code No.											Description
	①	②	③	④	⑤	⑥	⑦	—	⑧	⑨	⑩	
Type	H	V										Honey Vane
Model			S									Wafer type
Application				1								Standard
Nominal size.					0	2	5					25mm
					0	4	0					40mm
					0	5	0					50mm
					0	8	0					80mm
					1	0	0					100mm
					1	5	0					150mm
					2	0	0					200mm
					2	5	0					250mm
					3	0	0					300mm
Material								—				
								C				SUS316 or equiv.
								Z				Special (other than above)
Flange Ratings									1			JIS 10K
									2			JIS 16K
									3			JIS 20K
									4			JIS 30K
									5			ASME 150
									6			ASME 300
									7			JPI 150
									8			JPI 300
									9			Other than above
Acceptable Fluid									L			Standard
									—			
Additional Specifications									A			Standard
									F			MIL sheet provided
									G			High pressure gas service

OUTLINE DIMENSIONS (Unit in mm)



Nominal Size (mm)	Flange Ratings	φD	t	φd	A	B	C	Approx. Weight (kg)
25	JIS 10K	75	3.5	3.3	—	—	—	0.2
	JIS 16K							
	JIS 20K							
	JIS 30K	80						0.2
	ASME 150, JPI 150	67.8						0.1
	ASME 300, JPI 300	74.2						0.2
40	JIS 10K	90	5.4	5	—	—	—	0.3
	JIS 16K							
	JIS 20K							
	JIS 30K	101						0.4
	ASME 150, JPI 150	87.2						0.3
	ASME 300, JPI 300	96.2						0.3
50	JIS 10K	105	6.9	6.4	—	—	—	0.5
	JIS 16K							
	JIS 20K							
	JIS 30K	115						0.6
	ASME 150, JPI 150	105.9						0.5
	ASME 300, JPI 300	112.3						0.5
80	JIS 10K	134	10.2	9.6	—	—	—	1.0
	JIS 16K	140						1.1
	JIS 20K							1.3
	JIS 30K	150						1.0
	ASME 150, JPI 150	136.7						1.3
	ASME 300, JPI 300	149						1.7
100	JIS 10K	159	13.3	12.6	—	—	—	1.9
	JIS 16K	165						2.1
	JIS 20K							2.1
	JIS 30K	173						2.3
	ASME 150, JPI 150	174.8						4.5
	ASME 300, JPI 300	181.1						5.5
150	JIS 10K	220	19.6	18.6	—	—	—	6.3
	JIS 16K	238						4.6
	JIS 20K							6.3
	JIS 30K	251						8.2
	ASME 150, JPI 150	222.2						9.4
	ASME 300, JPI 300	250.6						10.6
200	JIS 10K	268	26	24.8	115	40	30	11.9
	JIS 16K	281						15.5
	JIS 20K							18.7
	JIS 30K	294						19.3
	ASME 150, JPI 150	277.3						16.5
	ASME 300, JPI 300	306.8						19.6
250	JIS 10K	331	32.3	30.8	115	40	30	22.8
	JIS 16K	354						26.8
	JIS 20K							30.9
	JIS 30K	358						28.9
	ASME 150, JPI 150	338.6						31.4
	ASME 300, JPI 300	360.6						
300	JIS 10K	376	38.7	36.9	115	40	30	
	JIS 16K	404						
	JIS 20K							
	JIS 30K	418						
	ASME 150, JPI 150	408.4						
	ASME 300, JPI 300	420.7						

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