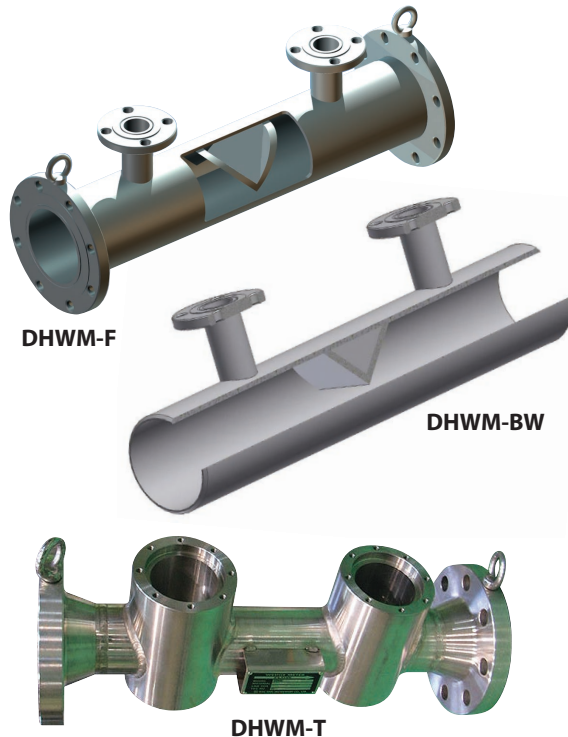


WEDGE METER

1. THE CHARACTERISTIC



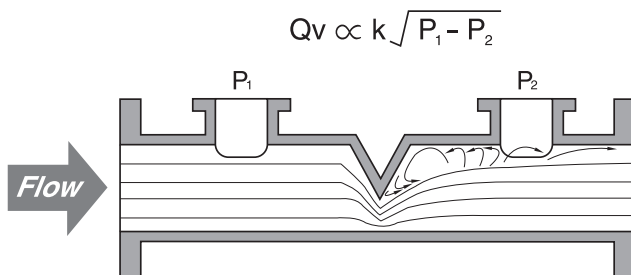
DHWM-F / DHWM-BW / DHWM-T Series Wedge Meter is an flow gauge(meter) that measure quantity of flow in poor conditions.

DHWM-F Series can be measure to quantity of flow like as Liquid, Gas, Steam, aas well as fluid included sludge.

Specially, it is suitable to measure quantity of flow for flow fluid with high viscosity.

It is possible to measure both flow.

2. THEORY

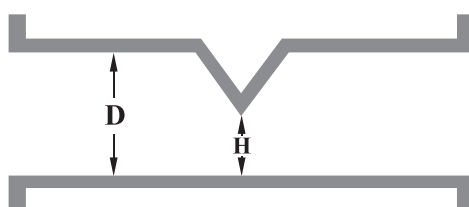


$$Q_v \propto k \sqrt{P_1 - P_2}$$

DHWM-F Series estabilished Wedge of "V" type in tube.

The quantity of flow is measured by pressure difference of both side by means of wedge.

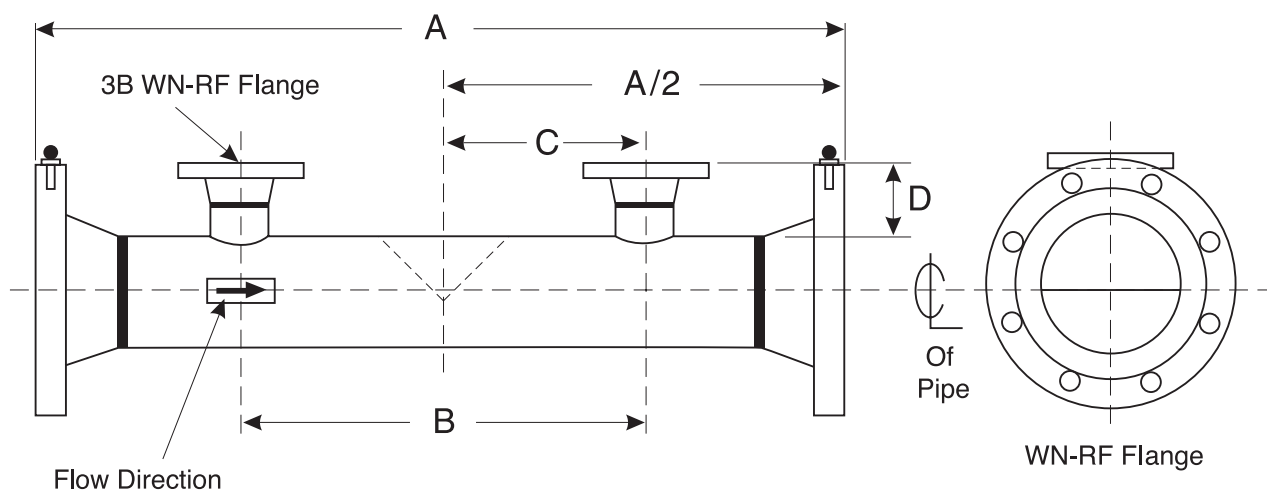
3. CAPACITY



Viscosity	± 0.5% of measured value after calibration(± 3% before calibration)
Repeatability	± 0.2
Maximum temperature	538°C
Range	10:1
H/D Ratio	0.2~0.5
Tube type	25A~600A
Straight line part of tube	Front 6 10D / Rear 3D

WEDGE METER

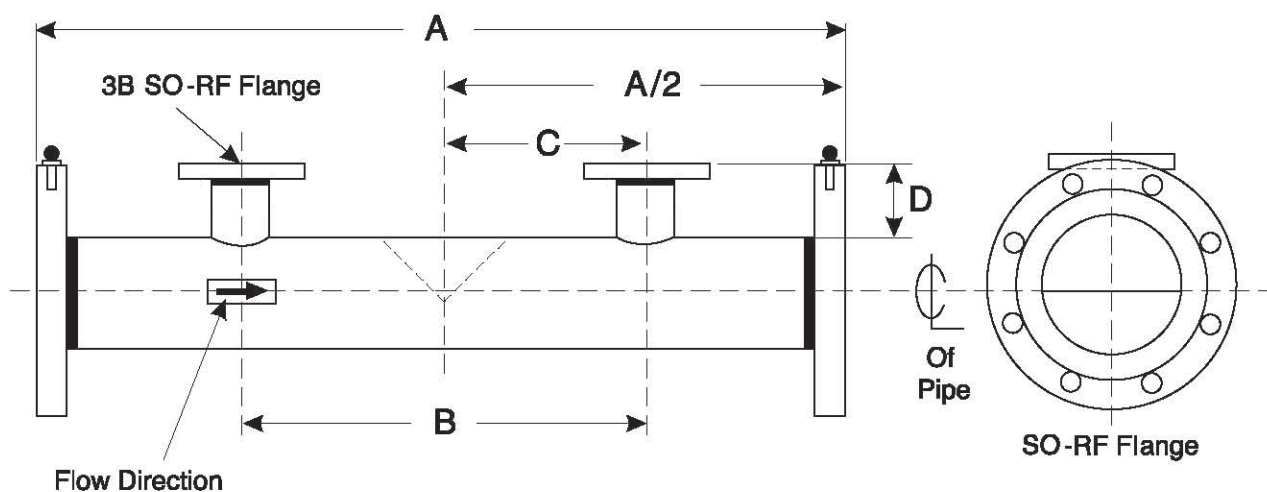
4. DIEMENSION



WN-RF TYPE

Pipe Size	A Dim(mm) Flange Rating			B Dim (mm)	C Dim (mm)	D Dim(mm) Flange Rating		
	150	300	600			150	300	600
40A	530	543	559	292	146	208	214	213
50A	546	559	578	292	146	216	222	232
80A	622	641	660	311	156	156	167	175
100A	902	921	965	381	191	114	125	133
125A	965	972	1005	419	210	114	125	133
150A	1029	1048	1099	457	229	114	125	133
200A	1092	1111	1168	521	260	114	125	133
250A	1143	1175	1257	597	298	114	125	133
300A	1321	1353	1416	673	337	114	125	133
350A	1397	1429	1486	711	356	114	125	133
400A	1473	1511	1588	775	387	114	125	133
450A	1575	1613	1676	851	425	114	125	133
500A	1686	1721	1791	940	470	114	125	133
600A	1854	1886	1969	1067	533	114	125	133

WEDGE METER



SO-RF TYPE

Pipe Size	A Dim (mm)	B Dim (mm)	C Dim (mm)	D Dim(mm) Flange Rating		
				150	300	600
025A	495	272	136	208	214	214
040A	529	292	146	208	214	214
050A	546	292	146	216	222	232
065A	580	300	150	216	222	232
080A	622	311	156	156	167	175
100A	762	381	191	114	125	133
125A	813	419	210	114	125	133
150A	864	457	229	114	125	133
200A	914	521	260	114	125	133
250A	965	597	298	114	125	133
300A	1118	673	337	114	125	133
350A	1168	711	356	114	125	133
400A	1245	775	387	114	125	133
450A	1321	851	425	114	125	133
500A	1422	940	470	114	125	133
600A	1575	1067	533	114	125	133

WEDGE METER

5. ORDERING INFORMATION

Series	Pipe Size (mm)	Material			Process Connection	D/P Connection	Option
		Wedge	Pipe	Flange			
DHWM-F	025A 25				MS ANSI 150# SORF		
	040A 40				MW ANSI 150# WNRF		
	050A 50				NS ANSI 300# SORF		
	065A 65				NW ANSI 300# WNRF	1 Chemical- Tee	
	080A 80				OS ANSI 600# SORF		
DHWM-BW	100A 100	Z SS316	SS316	SS316	OW ANSI 600# WNRF	2 ANSI 2B	0 Non Jacket Model
	125A 125	Y SS304	SS304	SS304	PS ANSI 900# SORF	3 ANSI 3B	
	150A 150	V SS316	C.S	C.S	PW ANSI 900# WNRF	4 ANSI 4B	1 Jacket Model
DHWM-T	200A 200	X SS304	C.S	C.S	QS ANSI 600# SORTJ	5 Other	
	250A 250	W etc.	etc.	etc.	QW ANSI 600# WNRTJ		
	300A 300				RS ANSI 900# SORTJ		
	350A 350				RW ANSI 900# WNRTJ		
	400A 400				S OTHER		
	450A 450						
	500A 500						
	600A 600						

Ex. DHWM - F - 350AZMS30