

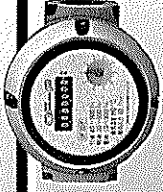
AICHI OIL METERS

Developed under our corporate banner "Better Products at Lower Prices", our OF-PF and OF-PR oval-gear-driven oil flowmeters are durable, easy to use, compact, lightweight, and economical. To save mounting space, we are offering screw type ($\phi 15 - \phi 20$) as well as conventional flange-type ($\phi 15 - \phi 25$) connection. We believe these will help in your measuring operations in various ways, including heat control.

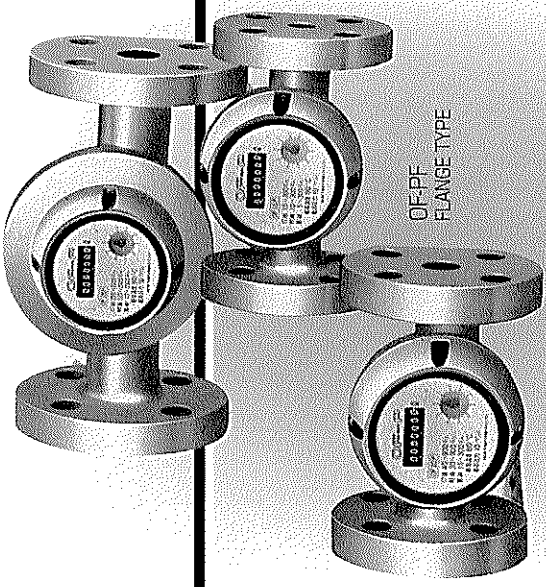
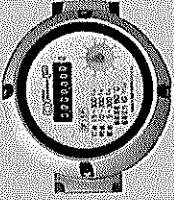
OF-P Series

Compact heat-control meter

Economy, durability, and user-friendliness are key features.



OF-PR
SCREW TYPE



OF-PF
FLANGE TYPE

■ Economical

With our efficient production method, Aichi can deliver reasonably priced heat control meters in which simplified basic functions are equipped.

■ Reliable and durable

By minimizing the volume of oval rotors taken in the measuring chamber with long gear cogs and ellipse's high flattening ratio, output flow volume per 1 rotation of the rotors is made to be large. The display uses a vacuum capsule for perfect dust and waterproofing.

■ Light and compact

We have packed our oil meters into compact housing to meet the customer demand for space saving. Both flange and screw connections are available.

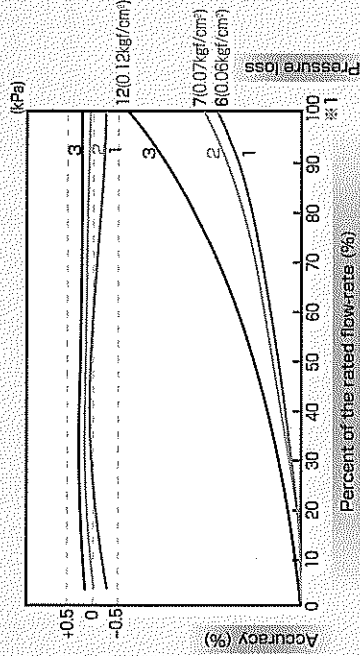
■ Overview

Model		OF15PFA (OF15PFH) OF15PRA (OF15PRH)	OF20PFA (OF20PFH) OF20PRA (OF20PRH)	OF25PFA (OF25PFH)
Flow range L/h	Kerosene	15 - 300	45 - 900	200 - 2000
	Light oils	10 - 300	30 - 900	120 - 2000
	Heavy oils	5 - 300	15 - 900	60 - 2000
Accuracy		Within $\pm 0.5\%$ RS		
Maximum working pressure		1MPa (Approx. 10.2kgf/cm ²)		
Maximum working temperature		80°C (95°C)		
Minimum reading		0.02L circular dial		
Maximum indication		9,999,999L (7 digits)		
Painting	Body	Two-parts acrylic urethane resin coating		
	Rotor (Oval gear)	FC25		
Materials	Shaft	BC3		
	O-ring	SUS304		
	Pressure receiving plate	NBR. (H) type is made of FKM		
		C3604		

Notes:

- The OF-PF is a flange type connection and the OF-PR is a screw type connection.
- Maximum temperature for the high temperature type (H) is 95°C.
- Flow range conditions are continuous operation for not more than eight hours per day.

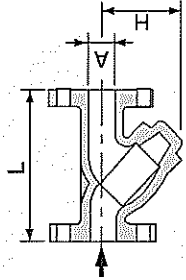
Performance characteristics



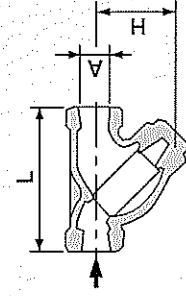
※ 1 "100%" on the flow axis indicates the maximum flow-rate for each type of liquid.

Strainer specifications and dimensions

■ KY□□□A



■ KS□□□A



Specifications

Model	Maximum working pressure	Body material	Piping connections
KY□□□A	1MPa (10kgf/cm ²)	FC20	JIS10kgf/cm ² RF
KS□□□A	1MPa (10kgf/cm ²)		15 (Rc) 1/2 : 20 (Rc) 3/4

Screen material: SUS304 Screen net: 80 meshes □ Indicates nominal diameter

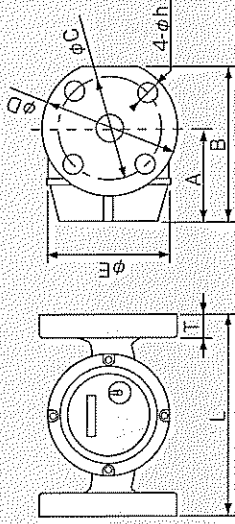
Dimensions

Model	Nominal diameter (A)	L	H (Approx.)	Model	Nominal diameter (A)	L	H (Approx.)
KY15AA	15	125	55	KS15A	15	75	55
KY20AA	20	140	67	KS20A	20	90	67
KY25AA	25	160	78				

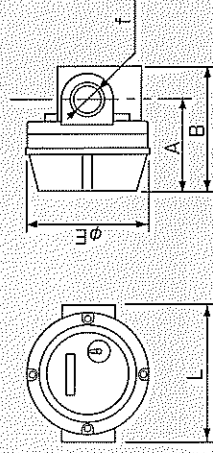
Unit: mm

External dimensions

Flange type



Screw type



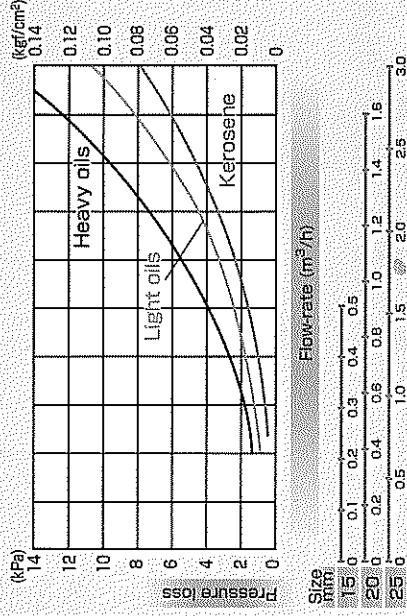
Model	Nominal diameter	A	B	L	T	φD	φC	φh	φE	Weight
OF15PFA	15	57	99	150	16	95	70	15	87	3.0kg
OF20PFA	20	61	106		18	100	75		87	4.4kg
OF25PFA	25	75	130	225		125	90	19	120	7.3kg

Unit: mm

Model	Nominal diameter	f	A	B	L	φE	Weight
OF15PFA	15	Rc1/2 (PT1/2) #2	60	78	100	87	2.3kg
OF20PFA	20	Rc3/4 (PT3/4) #2	66	91			3.0kg

※ 2 Female threads

Strainer pressure loss



Please install a strainer on the pipeline just before the oil meter.
In selecting the strainer, consider pressure loss, which varies according to flow and viscosity of the liquid. To minimize pressure loss, please use a basket type strainer or the oil meter of smaller nominal diameter.

Aichi Tokei Denki Co., Ltd.

No. 2-70, Chitose 1 - chome,
Atsuta - ku, Nagoya 456 - 8691

Japan

Tel : +81-52-661-5150

Fax : +81-52-661-6418

<https://www.aichitoken.co.jp/eng/index.html>

E-mail: overseas@inet1.aichitoken.co.jp

Specifications are subject to change without notice.
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