

Positive Displacement Flow Meter

MODEL : RY

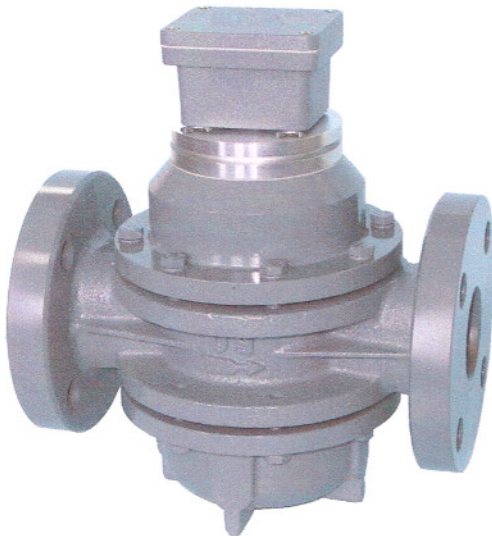
Display:

Totalizer: 8 digits LCD

Flow Rate: 5 digits LCD



Pulse Output Only Without Display



Display:

Totalizer: 8 digits LCD

Reset: 5 digits LCD



**Accessory:
Magnetic Bar
(Used for Zero
Reset)**

Explosion Proof Enclosure

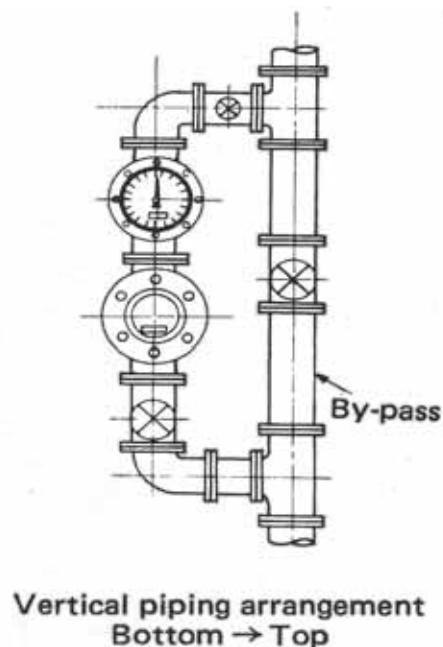
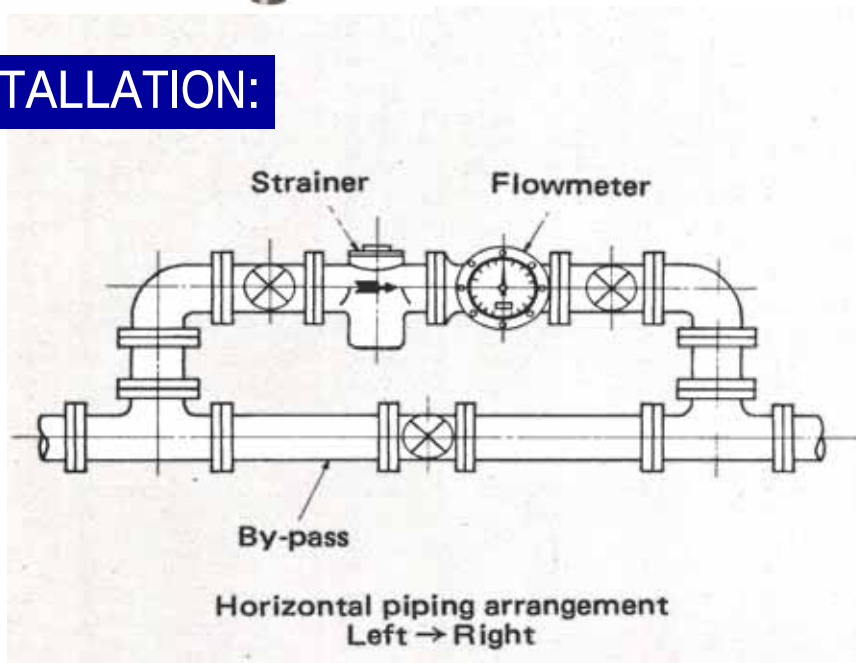


MODEL CODES:

Basic Model	Size	Mat'l.	Max. temp.	Display/output	Connection	Explosion Proof	Description
RY							
	25						3.5 M ³ /Hr
	40						6 M ³ /Hr
	50						12 M ³ /Hr
	50L						30 M ³ /Hr
	80						3" (80mm) 35 M ³ /Hr
	80L						3" (80mm) 50 M ³ /Hr
	100						4" (100mm) 50 M ³ /Hr
	100L						4" (100mm) 120 M ³ /Hr
		-FC					FC 25 (Cast Iron)
		-S2					SUS316 (Stainless Steel)
			-0				80 °C
			-1				120 °C
			-2				180 °C
				K1			Totalizer 8 digits / Flow Rate 5 digits
				K2			Totalizer 8 digits / Reset 5 digits
				K3			Pulse Output Only
				K4			Totalizer 8 digits / Flow Rate 5 digits / Pulse Output
				K5			Totalizer 8 digits / Flow Rate 5 digits / 4-20 mA
				K6			Totalizer 8 digits / Reset 5 digits / Pulse Output
					A		BSP thread
					B		ASA Flange
					C		JIS Flange
					-EX		Explosion Proof - Class I, Division 1&2, Groups B,C&D
					-N		Without Explosion Proof



INSTALLATION:



Flow Range : Accuracy $\pm 0.5\%$ Unit : m³/hour

Fluid				Petrloeu								
				LPG	Gasoline	Kerosene	Light oil, grade-A heavy oi (high tem- perature)	Grade-A heavy oi	Grade-B heavy oil, Grade-C heavy oil, (high tem- perature)	Grade-C heavy oi		Highly viscous fluids
Capa- city type Note 1	Dia- meter	Terms Note 2	Viscosity	0.1cP~	0.5cP~	2cP~	5cP~	10cP~	50cP~	150cP~	500cP~	2000cP~
25 40	25 40	Normal	Continuous	-	1~4.5	0.8~4.5	0.4~6	0.1~6	0.05~6	0.025~6	0.013~4.5	0.007~3.5
			Intermittent	-	1~6	0.8~6	0.4~7	0.1~7	0.05~7	0.025~7	0.013~6	0.007~4.5
		Maximum		-	7	7	8	8	8	8	7	6
40 50	40 50	Normal	Continuous	-	2~9	1.5~9	0.8~13	0.25~13	0.1~13	0.05~13	0.02~9	0.01~7.5
			Intermittent	-	2~13	1.5~13	0.8~15	0.25~15	0.1~15	0.05~15	0.02~13	0.01~9
		Maximum		-	15	15	17	17	17	17	15	13
80	50 80	Normal	Continuous	6.5~17	5~17	3.5~25	1.8~25	0.6~35	0.3~35	0.15~35	0.07~20	0.03~17
			Intermittent	6.5~28	5~28	3.5~35	1.8~35	0.6~40	0.3~40	0.15~40	0.07~35	0.03~28
		Maximum		35	35	40	40	45	45	45	35	28
80L 100	80 100	Normal	Continuous	13~35	8~35	5~35	2.5~50	1~50	0.5~50	0.25~50	0.12~35	0.06~28
			Intermittent	13~50	8~50	5~50	2.5~55	1~55	0.5~55	0.25~55	0.12~50	0.06~35
		Maximum		55	55	55	60	60	60	60	55	50
100L	100	Normal	Continuous	25~85	16~85	12~85	8~120	4~120	2~120	0.7~120	0.35~85	0.17~60
			Intermittent	25~120	16~120	12~120	8~130	4~130	2~130	0.7~130	0.35~120	0.17~85
		Maximum		130	130	130	140	140	140	140	130	120

Capacity type Note 1	Dia- meter	Terms Note 2	Fluid Viscosity	Water		Chemicals		Petrochemicals		
				Normal temperature (up to 80°C)	High temperature (80~120°C)	Concent- rated sulfuric acid	Cuastic soda (30%)	Plasticizer	Tar	Polyester
								50cP	500cP	2000cP
25 40	25 40	Normal	Continuous	0.8~3.5	1~2.8	0.4~2	0.1~4.5	0.05~4.5	0.013~4.5	0.007~3.5
			Intermittent	0.8~4.5	1~3.5	0.4~2.8	0.1~6	0.05~6	0.013~6	0.007~4.5
			Maximum	5	4.5	3.5	7	7	7	6
40 50	40 50	Normal	Continuous	1.5~7.5	2~6	0.8~4.5	0.25~9	0.1~9	0.02~9	0.01~7.5
			Intermittent	1.5~9	2~7.5	0.8~6	0.25~13	0.1~13	0.02~13	0.01~9
			Maximum	10	9	7.5	15	15	15	13
80	50 80	Normal	Continuous	3.5~15	5~10	3.5~12	0.6~20	0.3~20	0.07~20	0.03~17
			Intermittent	3.5~20	5~17	3.5~15	0.6~35	0.3~35	0.07~35	0.03~28
			Maximum	20	20	20	40	40	35	28
80L 100	80 100	Normal	Continuous	5~28	8~22	2.5~17	1~35	0.5~35	0.12~35	0.06~28
			Intermittent	5~35	8~28	2.5~22	1~50	0.5~50	0.12~50	0.06~35
			Maximum	40	35	28	55	55	55	50
100L	100	Normal	Continuous	12~60	16~50	8~40	4~85	2~85	0.35~85	0.17~60
			Intermittent	12~85	16~60	8~40	4~120	2~120	0.35~120	0.17~85
			Maximum	95	85	60	130	130	130	120

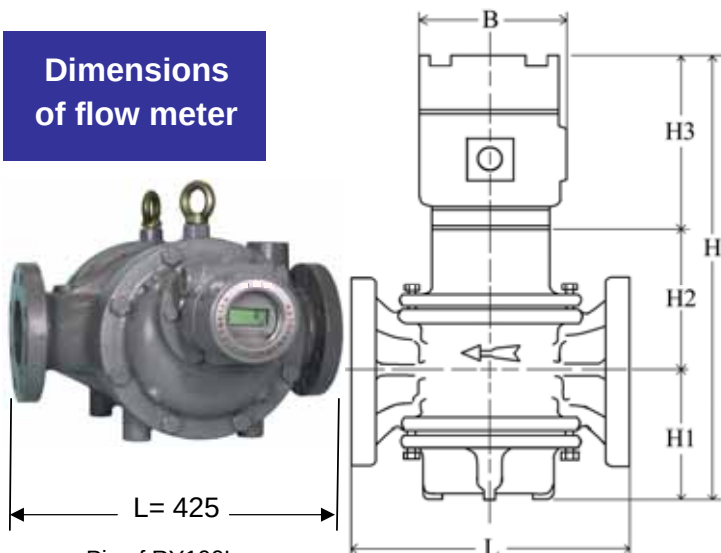
Remark:1.Intermittent : continue flowing under 8 hours

2.Continuous:continue flowing 8-24 hours

3.Maximum:Only can working in short period

Standard specifications

Counter	8 digit, rate 5 digit
Accuracy:	0.5% (0.2% possible)
Max. Pressure:	10kg/cm ² or 20kg/cm ²
Temperature:	80°C, 120°C, 180°C
Connection	JIS, DIN, ANSI

Dimensions
of flow meter

Pic of RY100L

Model	L	H	B	H1	H2	H3	weight (kg)
RY25	200	288	115	78	70	140	15
RY40	200	288	115	78	70	140	18
RY50	250	340	115	105	95	140	22
RY80/RY80L	320	420	115	144	136	140	45
RY100	380	420	115	144	136	140	59
RY100L	425	610	115	260	253	140	173