



Product Overview

Acrylic Rotameters are precision variable area flow meters designed for accurate measurement of liquid and gas flow. The transparent acrylic body allows clear visibility of the float, making it ideal for indoor industrial application.

Key Features

- Clear acrylic body for easy flow visualization
- Suitable for air, water, and non-corrosive fluids
- Wide flow range options available
- Compact and lightweight design
- Low maintenance and cost-effective
- Optional latching type switch for control applications



Technical Specifications

Parameter	Details
Measuring Principle	Variable Area (Rotameter)
Accuracy	±4% to ±5% F.S
Measuring Span	1:10
Line Size	½" to 3"
Flow Range (Air)	150 ml/Min to to 20,000 LPM
Flow Range (Water)	1 LPH to 40,000 LPH
Scale	Engraved on Acrylic Block

Construction Details

Parameter	Details
Body	Acrylic Block
Float	SS304 / SS316 / PTFE
Packing	PTFE / Nitrile
Tube	Machined within Acrylic Block

Optional Latching Type Switch

Bi-stable switching operation
 Operates based on float movement direction
 Compatible with NAMUR switching amplifier (8V supply)
 Ideal for flow monitoring and alarm systems

Applications

- Air / Water flow measurement systems
- Water treatment plants
- Chemical dosing systems
- HVAC applications
- Laboratory and indoor industrial use



Model: JI-ATR

Flow Range Chart For Rotameter with Control Valve			
Fluid: Water Pressure: ATM Temperature: Ambient			
Model No.	Flow Range in LPH	Thread Connection	Flange Connection
Ji-ATR-CV-1	1-10	1/4"	15 NB
Ji-ATR-CV-2	2-20	1/4"	15 NB
Ji-ATR-CV-3	3-30	1/4"	15 NB
Ji-ATR-CV-4	4-40	1/4"	15 NB
Ji-ATR-CV-5	5-50	1/4"	15 NB
Ji-ATR-CV-6	6-60	1/4"	15 NB
Ji-ATR-CV-7	7-70	1/4"	15 NB
Ji-ATR-CV-8	8-80	1/4"	15 NB
Ji-ATR-CV-9	9-90	1/4"	15 NB
Ji-ATR-CV-10	10-100	1/4"	15 NB

Flow Range Chart For Rotameter with Control Valve			
Fluid: Air Pressure: ATM Temperature: Ambient			
Model No.	Flow Range in LPM	Thread Connection	Flange Connection
Ji-ATR-CV-11	0.1-1	1/4"	15 NB
Ji-ATR-CV-12	0.5-5	1/4"	15 NB
Ji-ATR-CV-13	1-10	1/4"	15 NB
Ji-ATR-CV-14	3-30	1/4"	15 NB
Ji-ATR-CV-15	10-100	1/4"	15 NB
Ji-ATR-CV-16	20-200	1/4"	15 NB
Ji-ATR-CV-17	30-300	1/4"	15 NB

Flow Range Chart For Rotameter without Control Valve			
Fluid: Water Pressure: ATM Temperature: Ambient			
Model No.	Flow Range in LPH	Thread Connection	Flange Connection
Ji-ATR-2	20-200	1/2"	15 NB
Ji-ATR-3	30-300	1/2"	15 NB
Ji-ATR-4	40-400	1/2"	15 NB
Ji-ATR-5	50-500	1/2"	15 NB
Ji-ATR-6	60-600	1/2"	15 NB
Ji-ATR-7	70-700	1/2"	15 NB
Ji-ATR-8	80-800	1/2"	15 NB
Ji-ATR-9	100-1000	3/4"	20 NB
Ji-ATR-10	200-2000	3/4"	20 NB
Ji-ATR-11	30-3000	1"	25 NB
Ji-ATR-12	500-5000	1"	25 NB
Ji-ATR-13	600-6000	1 1/2"	40 NB
Ji-ATR-14	800-8000	1 1/2"	40 NB
Ji-ATR-15	1000-10000	1 1/2"	40 NB
Ji-ATR-16	1500-15000	2"	50 NB
Ji-ATR-17	2000-20000	2"	50 NB
Ji-ATR-18	2500-25000	2 1/2"	65 NB
Ji-ATR-19	3000-30000	2 1/2"	65 NB
Ji-ATR-20	3500-35000	3"	80 NB
Ji-ATR-21	4000-40000	3"	80 NB

Flow Range Chart For Rotameter without Control Valve			
Fluid: Air Pressure: ATM Temperature: Ambient			
Model No.	Flow Range in LPH	Thread Connection	Flange Connection
Ji-ATR-22	40-400	1/2"	15 NB
Ji-ATR-23	50-500	1/2"	15 NB
Ji-ATR-24	60-600	1"	25 NB
Ji-ATR-25	70-700	1"	25 NB
Ji-ATR-26	80-800	1"	25 NB
Ji-ATR-27	100-1000	1"	25 NB
Ji-ATR-28	200-2000	1"	25 NB
Ji-ATR-29	30-3000	1 1/2"	40 NB
Ji-ATR-30	500-5000	1 1/2"	40 NB
Ji-ATR-31	600-6000	2"	65 NB
Ji-ATR-32	800-8000	2"	65 NB
Ji-ATR-33	1000-10000	2"	65 NB
Ji-ATR-34	1500-15000	2 1/2"	65 NB
Ji-ATR-35	2000-20000	3"	80 NB