METAL TUBE ROTAMETER

FLOW MEASURMENT

Durability
Versatility
Easy Installation
Customization



ACA01 Catalogue

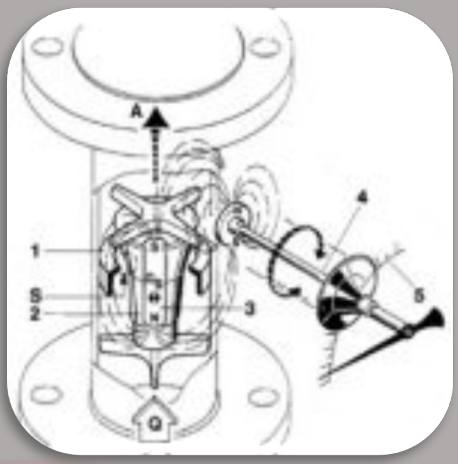
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INTRODUCTION

Performance

In this type of flowmeter, called Metal tube rotameter, the motion of float is transmitted by a magnet inside it to another magnet mounted outside the tube and attached to the indicator pointer. Therefore, the position of the pointer will be a measure of the amount of fluid flow.



Industries

Can be used in all industrial sectors, for example:

- **Chemical**
- **Petrochemical**
- **Pharmaceutical**
- **Food and Drinks**
- **Oil and Gas**
- **Iron, Steel and Metals**
- **Power plants**
- **Pulp and Paper**
- **Water and Wastewater**

Application

ACA01 rotameter with metal tube can be used to measure the flow of various gases and liquids. All wetted fittings and parts are made of stainless steel. This feature, in addition to being able to withstand high pressure and temperature, makes it possible to use it to measure the flow of corrosive fluids.



PRODUCT RANGE

Stainless steel indicator housing

For particularly rough environmental conditions, This indicator housing is optionally available in stainless steel.
This guarantees its reliable use in corrosive atmospheres caused by operational emissions.
When installed outdoors, external influences such as salt fog or contaminated precipitation no longer lead to corrosion.
The stainless steel housing is equally well-suited for use in splash water zones such as in the food and luxury food industry.



Special installation positions

Variable area flowmeters-generally feature a vertically positioned measuring cone through which the medium flows from bottom to top, raising a float against the weight.
If the installation structure does not permit it otherwise, the versions ACAA01 H for horizontal or ACA01U for reverse installation position (from top to bottom) are used.
The reset force lacking in the weight of the float is replaced by a spring.





PRODUCT RANGE

PVC full body

PVC rotameters, also known as variable area flowmeters, are used to measure the flow rate of gases or liquids in various industrial applications. PVC (polyvinyl chloride) rotameters are made of a durable plastic material, which makes them suitable for a wide range of corrosive and non-corrosive fluids. Here are some common applications where you can use PVC rotameters:

Water Treatment: PVC rotameters are often used in water treatment facilities to measure the flow of chemicals, such as chlorine or sodium hypochlorite, into the water supply for disinfection.

Chemical Processing: They can be used in chemical plants to monitor the flow of various chemicals and solvents.



Low range application

The ACA01S is a variable area (VA) flowmeter for measuring low flow rates of liquids and gases. The tried and tested meter is particularly suitable for flow monitoring and dosing in gas analyzer systems or on purge panels. Due to its robust all-metal design it can also be used in difficult process conditions with temperatures up to +200°C / +392°F or pressures up to 400 barg / 5800 psig. It is also available with a metering valve as standard to accurately set the flow value.



Technical details

ACA01-150	ACA01-100	ACA01-80	ACA01-50	ACA01-25	ACA01-15	ACA01-6	Model	
2 (1.6 as option)							% Full Scale	Accuracy
PN10 to PN400 (#150 to #2500)~up to 350 bar							bar	Pressure limit (Design)
125°C (300°C as Option)							°C	Temperature limit (Design)
Flange(EN-1092-1,ASME B16.5), Thread(DIN 11851), tri-clamp(DIN 32676)							Type	Connection
DN150	DN100	DN80	DN50	DN25	DN15	DN6	Size	
PVC,PTFE,SS304, SS316,SS304L, SS316L							Tube	Material*
Aluminium,PTFE,PVC,SS304, SS316,SS304L, SS316L							Float	
PTFE,PVC,SS304, SS316,SS304L, SS316L							Connection	
Magnetic Strainer / local digital display / 4-20 mA output signal/Contact(Switch) function							Accessories	

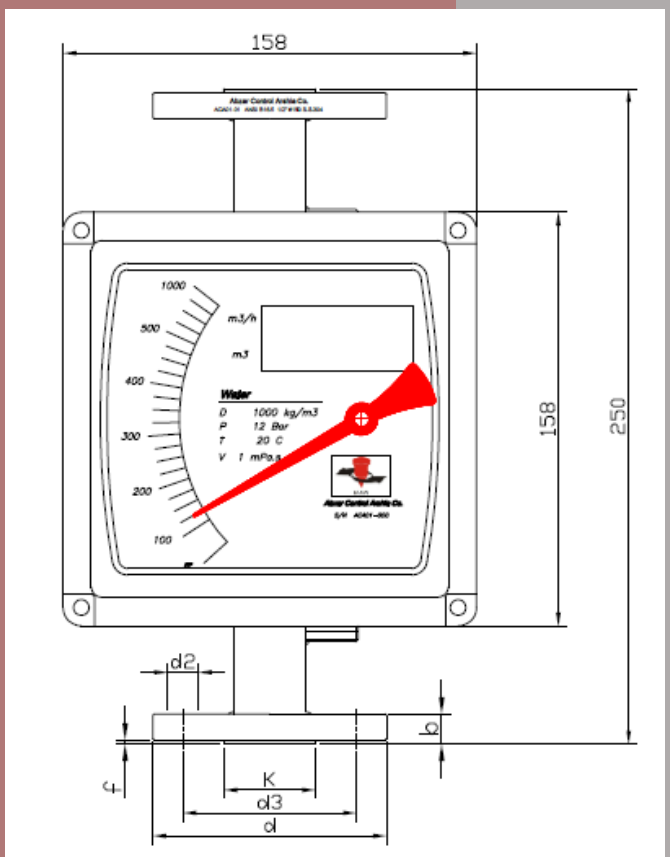
*For sour services wetted parts material will be considered as NACE MR0175.

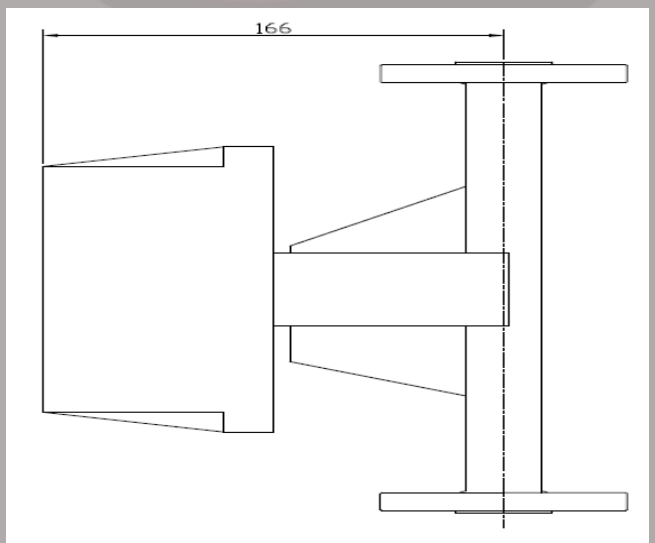
ACA Transmitter-Current output

Cable gland	M16 x 1.5	
Measuring signal	4...20 mA 0...100% flow value	Two-wire technology
Power supply	14.8...30 VDC	
Max. input impedance / load	640 Ohm (30 VDC)	
Relay Switch (Optional) (separate 24V power supply)	NO-NC	2 Flow switch and 1 Total switch



Dimensions





	SIZE (mm) Ød	Ød3	Øk	Ød2	Øb	Øf
ACA01-15	89	60.5	35	4*Ø16	12	1.6
ACA01-25	108	77.2	51	4*Ø16	14	1.6
ACA01-50	152	120.6	92	4*Ø19	19	1.6
ACA01-80	190	152.4	127	8*Ø19	24	1.6
ACA01-100	228	190.5	157	8*Ø19	24	1.6

Technical details

Bolts and tightening torques

Normal sizes as per ASME B 16.5	Bolts		Tightening torques
	Quantity x size		SI [Nm]
	150 lbs	300 lbs	
½“ 150 lbs / 300 lbs	4 x ½“	4 x ½“	5.2
1“ 150 lbs / 300 lbs	4 x ½“	4 x 5/8“	10
2“ 150 lbs / 300 lbs	4 x 5/8“	8 x 5/8“	41
3“ 150 lbs / 300 lbs	4 x 5/8“	8 x 3/4“	70
4“ 150 lbs / 300 lbs	8 x 5/8“	8 x 3/4“	50
6“ 150 lbs / 300 lbs	8 x 3/4“	12 x 3/4“	45

Flow range

Flange						Flange or Thread								Size
DN150		DN100		DN80		DN50		DN25		DN15		DN6		
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	
W26-	10000-100000	W21-	2800-28000	W16-	1800-18000	W11	400-4000	W6-	80-800	W1-	2-20	WS1-	0.3-3	Water (l/h)
W27-	11000-110000	W22-	3000-30000	W17-	2000-20000	W12-	500-5000	W7-	100-1000	W2-	10-100	WS2-	1-10	
W28-	12000-120000	W23-	4000-40000	W18-	2200-22000	W13-	600-6000	W8-	160-1600	W3-	20-200	WS3-	2.5-25	
W29-	15000-150000	W24-	6000-60000	W19-	2500-24000	W14-	1600-16000	W9-	250-2500	W4-	50-500	WS4-	6-60	
W30-		W25		W20-		W15-		W10-	300-3000	W5-		WS5-	10-100	
A26-	180-1800	A21-	80-800	A16-	45-450	A11-	15-150	A6-	2-20	A1-	0.025-0.25	AS1-	0.01-0.1	Air (Nm3/h)
A27-	200-2000	A22-	90-900	A17-	50-500	A12-	18-180	A7-	3-30	A2	0.3-3	AS2-	0.04-0.4	
A28-	300-3000	A23-	100-1000	A18-	60-600	A13-	20-200	A8-	5-50	A3-	0.5-5	AS3-	0.08-0.8	
A29-	350-3500	A24-	120-1200	A19-	70-700	A14-	25-250	A9-	7-70	A4-	1-10	AS4-	0.2-2	
A30-	400-4000	A25-	150-1500	A20-	75-750	A15-	40-400	A10-	12-120	A5-	1.5-15	AS5-	0.34-3.4	

*All Rotameter will be supplied by float stopper.

Certificates

Ex h IIC T6 Gb



E.P.I.L
شرکت آزمایشگاه‌های صنایع انرژی
دارنده گواهینامه ISO IEC 17025 / 17065
ISO IEC 17025 / 17065 Accredited

TEST REPORT COVER

ExTR Reference Number	H1-70140-1, 36, 37
Prepared by + signature (ExTL)	F. Rangrazan
Reviewed by + signature (ExTL) :	M. Ghanbariha
Approved by)Deputy of Test and Inspection(+ signature (ExTL) :	Prof. B. Vahidi / Prof. S. H. Fathi
Approved by)CEO) + signature (ExTL) :	S.M. Mirsadri / S.M. Mirfalah
Date of issue :	July 09, 2024
Notified Body (NB)..... :	N/A
Address :	N/A
Ex Testing Laboratory (ExTL) :	Ex EPIL
Address :	Kavosh research city, supa blv, 8th km . karaj-Qazvin freeway , iran.
Applicant's name..... :	Abzar Control Arshia
Address ..... :	Hall No 11, Beside Football Stadium, Tehran University Science and Technology Park, Tehran, Iran
Standards ..... :	EN 1127-1:2019; EN ISO 80079-36:2016, EN ISO 80079-37:2016
Test procedure..... :	EN 1127-1:2019; EN ISO 80079-36:2016, EN ISO 80079-37:2016
Equipment.....:	Metal tube rotameter housing
Model/type reference.....:	ACA01-IND
Code (e.g. Ex II T) .....:	Ex h IIC T6 Gb
Rating .....:	N/A

E.P.I.L
Technical Department
ISO IEC 17025
Accredited Lab

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Head-office: Unit 12, No. 2, Boujari Sefat Dead-End, Corner of Fariman St., Bozorgmehr St., Vali-Asr Ave., Tehran-Iran.
Postal Code:1416854523 Tel: (+9821) 61971 Fax: (+9821) 66174283
Lab: Kavosh Research City, Supa Blvd., 8th km of Karaj-Qazvin Freeway, Iran.
Postal Code: 3365166551 Tel: (+9826) 34996700-14 Fax: (+9826) 34996715

دفتر مرکزی: تهران، خیابان ولیعصر، خیابان بزرگمهر، نبش فریمان، بن بست بوجاری صفت، پلاک ۲، طبقه ۳، واحد ۱۲.
کد پستی: ۱۴۱۶۸۵۴۵۲۳ تلفن: ۶۱۹۷۱-(۹۸۲۱+) فکس: ۶۶۱۷۴۲۸۳-(۹۸۲۱+)
آزمایشگاه: کیلومتر ۸ اتوبان کرج - قزوین، بلوار سوپا، شهرک تحقیقاتی کاوش، شرکت آزمایشگاه‌های صنایع انرژی.
کد پستی: ۳۳۶۵۱۶۶۵۵۱ تلفن: ۱۴-۳۴۹۹۶۷۰۰ (۹۸۲۶+) فکس: ۳۴۹۹۶۷۱۵ (۹۸۲۶+)

Certificates

Ex h IIC T6 Gb

شرکت آزمایشگاه‌های صنایع انرژی
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Rated ambient temperature range (°C)..... .....:	-20°C ≤ T_a ≤+60°C

General remarks:

The test results presented in this Test Report relate only to the item or product tested.

- "(Refer to Appendix #)" refers to additional information appended to this document.
- "(Refer appended Doc #)" refers to a document table that is linked to this document.
- Throughout this document, a point is used as the decimal separator.

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کد پستی: ۱۴۱۶۸۵۴۵۲۳ تلفن: ۶۱۹۷۱-(۹۸۲۱+) فکس: ۶۶۱۷۴۲۸۳-(۹۸۲۱+)
آزمایشگاه: کیلومتر ۸ اتوبان کرج - قزوین، بلوار سوپا، شهرک تحقیقاتی کاوش، شرکت آزمایشگاه‌های صنایع انرژی.
کد پستی: ۳۳۶۵۱۶۶۵۵۱ تلفن: ۱۴-۳۴۹۹۶۷۰۰ (۹۸۲۶+) فکس: ۳۴۹۹۶۷۱۵ (۹۸۲۶+)

Certificates

IP65

IP TEST REPORT

Project No.:	TH1-70081
Equipment Under Test:	Variable Area Flowmeter Indicator (Housing)
Model/Type:	ACA01 (Housing) **Rated Value:** ---
IP:	IP65
Manufacturer:	Abzar Control Arshia Co.
Address:	Unit 240, Bulding No.1, University of Tehran, Science and Technology Park, Farshi Modgaddam Ave., North Kargar St., Tehran-Iran.
Applicant:	Abzar Control Arshia Co.
Address:	Unit 240, Bulding No.1, University of Tehran, Science and Technology Park, Farshi Modgaddam Ave., North Kargar St., Tehran-Iran.
Tested According to:	IEC 60529 : 2019
Testing Laboratory:	Energy & Power Industries Laboratories Co.
Date of Sample Receiption:	17-May-2024
Date of tests:	11-Jun-2024
Date of Issue:	16-Jun-2024
Total number of pages:	11
Test Result:	**PASSED**

Tested by: Technical Expert
H. Montazeri

Verified by: Technical Manager
B. Hamidifard

Approved by:

Deputy of Test and Inspection
Prof. B. Vahidi / Prof. S. H. Fathi

CEO/Deputy technical manager
S. M. Mirsadri / S.M.Mirfalah

E.P.I.L. Technical Deputy ISO IEC 17025 Accredited Lab

The statement of conformity decision on the measured values is made based on guard band w=U, r=1 rule (ISO/IEC Guide 98-4). The specific false accept/reject risk is up to 2.5%.

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Postal Code:1416854523 Tel: (+9821) 61971 Fax: (+9821) 66174283
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دفتر مرکزی: تهران، خیابان ولیعصر، خیابان بزرگمهر، نبش فریمان، بن بست بوجاری صفت، پلاک ۲، طبقه ۳، واحد ۱۲.
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آزمایشگاه: کیلومتر ۸ اتوبان کرج - قزوین، بلوار سوپا، شهرک تحقیقاتی کاوش، شرکت آزمایشگاه‌های صنایع انرژی.
کد پستی: ۳۳۶۵۱۶۶۵۵۱ تلفن: ۱۴-۳۴۹۹۶۷۰۰(۹۸۲۶+) فکس: ۳۴۹۹۶۷۱۵(۹۸۲۶+)

Order Codes

Item	Properties	Option	code
1	Model	ACA01	ACA01-
2	Fluid	Water	W-
		Air	A-
		Special medium	SP-
3	(Tube Size/Flow)	Refer to flow range table	--
		Special	SP-
3-1	Connection size	1/2"	15-
		1"	25-
		2"	50-
		3"	80-
		4"	100-
		6”	150-
4	Connection Type	Flange ASME B16.5 RF #150	0-
		Flange ASME B16.5 RF #300	1-
		Flange ASME B16.5 RF #600	2-
		Flange PN16	3-
		Flange PN25	4-
		Flange PN40	5-
		* Thread BSPM (Male) *	6-
		Thread BSPF (Female)	7-
		* Thread NPTM (Male) *	8-
		* Thread NPTF (Female) *	9-
		* Tri-Clamp*	10-
		Special	SP-
5	wetted parts material	S.S.304	1-
		S.S.304L	2-
		S.S.316	3-
		S.S.316L	4-
		PVC	5-
		PTFE	6-
6	Housing material	Aluminum epoxy painted (IP65)	L-
		* S.S.316 *	S-
7	Float material	Same as wetted parts	K-
		Special	SP-
8	Flow direction	Bottom To Top	B-
		* Top To Bottom *	T-
		* Left To Right *	L-
		* Right To Left *	R-
9	Accuracy	±2 %FS	0-
		* ±1.6 %FS *	1-
10	Float damping (for Gas)	* Yes *	Y-
		No	N-
11	Output signal	No	N-
		* 2 wire loop power 4-20 mA *	D-
		* 2 wire loop power 4-20 mA with 3 relay switch*	
12	Calibration certificate	* Yes *	Y
		No	N

Contact Us

Working hours: Sat-Wed 08:00-17:00

Tel: +98-21-91009335

Fax: +98-21-88335745

WhatsApp: +98-9352233490
(Just for message)

Address: Hall No 11 ,Beside Football Stadium, Tehran University Science and Technology Park, Farshi Moghadam St., Kargar Shomali Ave., Tehran, Iran

Postal Code: 1439817447

Web site: abzar-control.com

GLASS TUBE ROTAMETER

FLOW MEASURMENT

Low Cost
Small Pressure Loss
Easy Installation
Suitability for Corrosive Fluids



(A.C.A)

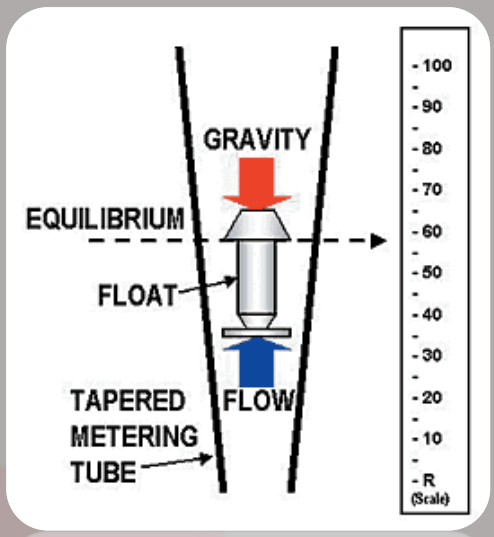
ACA02 Catalogue

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- **Technical details**
- **Flow ranges**
- **Certificates**
- **Order code**
- **Contact Us**

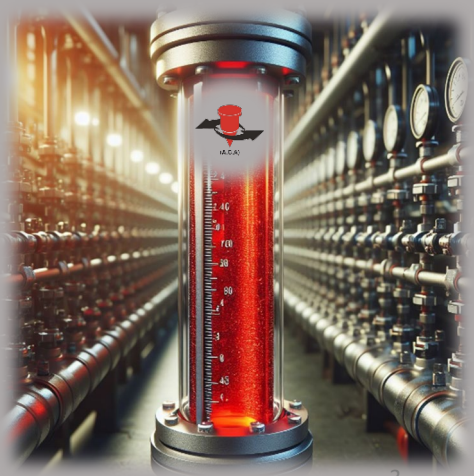
INTRODUCTION

Performance



A glass tube rotameter operates on the principle of variable area flow measurement. The fluid enters the rotameter from the bottom. As the fluid flows upward, it encounters a float (a shaped weight) inside the tapered glass tube. The drag force of the fluid flow pushes the float upwards. The float rises until the drag force of the fluid flow equals the gravitational force pulling the float downwards. This balance of forces determines the position of the float. The tube is tapered, meaning it gets wider as you go up. As the float rises, the cross-sectional area around the float increases. This variable area creates a balance between the upward fluid force and the downward gravitational force. The position of the float in the tube corresponds to a specific flow rate. The flow rate can be read directly from the scale on the tube.

Application



A glass tube rotameter is a device used to measure the flow rate of liquids and gases. It operates under the variable area flow principle, where a float rises inside a conically shaped glass tube as the flow increases and its position on the scale gives the flow rate.

Industrial Processes, Water Treatment and Distribution Systems, Oil and Gas Pumping and Refining Processes, Chemical Manufacturing and etc.

PRODUCT RANGE

Carbon steel epoxy painted housing

The all-purpose flowmeter is suitable for all basic applications up to +80°C and max. 8 bar. Typical applications include flow measurement of flushing, purging or inert gases or heating and cooling circuits.
ACA02 operates without auxiliary power supply. The measuring cone, protected by a metal sleeve with a viewing glass, makes it easy to directly read the flow and to observe the medium. The VA meter can also be equipped with two optional limit switches (MIN/MAX) or analogue output (4...20 mA). The flowmeter comes with many process connections and can be used in hazardous areas.



Stainless steel housing

For particularly rough environmental conditions, This indicator housing is optionally available in stainless steel.
This guarantees its reliable use in corrosive atmospheres caused by operational emissions. When installed outdoors, external influences such as salt fog or contaminated precipitation no longer lead to corrosion.
The stainless steel housing is equally well-suited for use in splash water zones such as in the food and luxury food industry.



PRODUCT RANGE

PVC full body

PVC rotameters, also known as variable area flowmeters, are used to measure the flow rate of gases or liquids in various industrial applications. PVC (polyvinyl chloride) rotameters are made of a durable plastic material, which makes them suitable for a wide range of corrosive and non-corrosive fluids. Here are some common applications where you can use PVC rotameters:

Water Treatment: PVC rotameters are often used in water treatment facilities to measure the flow of chemicals, such as chlorine or sodium hypochlorite, into the water supply for disinfection.

Chemical Processing: They can be used in chemical plants to monitor the flow of various chemicals and solvents.



4 rod and PTFE Packing

ACA02 4R is variable area flow meters which uses PTFE packing as option. This rotameter can be used in application which are corrosive against stainless steel. All wetted parts can be made of PTFE including packing.



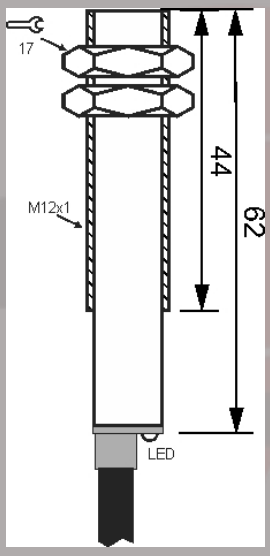
Technical details

ACA01-100	ACA01-80	ACA01-50	ACA01-40	ACA01-25	ACA01-15	ACA02-10	Model	
2 (1.6 as option)							% Full Scale	Accuracy
8bar (Depending on temperature)							bar	Pressure limit (Design)
80°C							°C	Temperature limit (Design)
Flange(EN-1092-1,ASME B16.5), Thread(G & NPT),Union nut, Tri-clamp							Type	Connection
4"	3"	2"	1 ½"	1"	½"	¼"	Size	
Glass							Tube	Material*
C.S. Epoxy painted, S.S.304, S.S.316, PVC							Housing	
Aluminium,PTFE,Ertalon,PVC,SS304, SS316,SS304L, SS316L							Float	
PTFE,PVC,SS304, SS316,SS304L, SS316L							Connection	
2 Proximity magnetic (Switch)							Accessories	

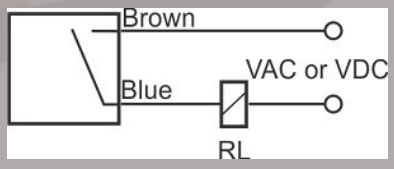
*For sour services wetted parts material will be considered as NACE MR0175.

Contact switch

Body type	M12X1Ni PLATED Brass
wire	2
Output stage	REED RELAY
Switch function	NO
Nominal distance	10 mm
Voltage range	10-250VACDC
Max output current	250 mA
Working temp	-20~+60 °C
Max output frequency	50 Hz
LED display	✓
IP	IP67
Connection	CABLE2X0.25-1.5m



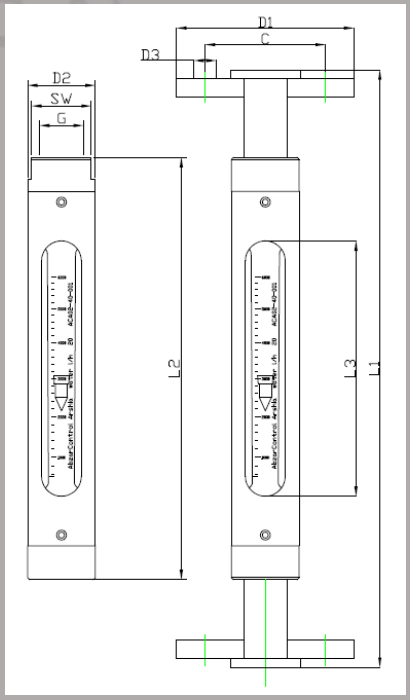




Dimensions

SIZE / Model	ØD1 (mm)	ØD2 (mm)	ØD3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	ØC (mm)	SW (mm)	G (in)
ACA02-10	89	34	16	340	212	124	60.5	28	½"
ACA02-15	89	48	16	490	360	234	60.5	42	½"
ACA02-25	108	60	16	494	364	238	79.5	56	1"
ACA02-40	127	89	16	494	364	232	98.6	82	1 ½"

All Flange ANSI B16.5 #150



Technical details

Bolts and tightening torques

Normal sizes as per ASME B 16.5	Bolts		Tightening torques
	Quantity x size		SI [Nm]
	150 lbs	300 lbs	
½“ 150 lbs / 300 lbs	4 x ½“	4 x ½“	5.2
1“ 150 lbs / 300 lbs	4 x ½“	4 x 5/8“	10
2“ 150 lbs / 300 lbs	4 x 5/8“	8 x 5/8“	41
3“ 150 lbs / 300 lbs	4 x 5/8“	8 x 3/4“	70
4“ 150 lbs / 300 lbs	8 x 5/8“	8 x 3/4“	50
6“ 150 lbs / 300 lbs	8 x 3/4“	12 x 3/4“	45

Flow range

Measuring Range ACA02														
Flange						Flange or Thread								
100		80		50		40		25		15		10		Size
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Water (l/h)
W28-	5000-50000	W24-	1200-12000	W19-	600-6000	W15-	250-2500	W10-	40-400	W5-	4-40	W0-	0.2-2	
W29-	6000-60000	W25-	2000-20000	W20-	700-7000	W16-	300-3000	W11-	60-600	W6-	10-100	W1-	0.5-5	
		W26-	3000-30000	W21-	800-8000	W17-	400-4000	W12-	100-1000	W7-	20-200	W2-	1-10	
		W27-	4000-40000	W22-	900-9000	W18-	500-5000	W13-	160-1600	W8-	30-300	W3-	2-20	
				W23-	1000-10000			W14-	200-2000	W9-	40-400	W4-	3-30	
Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Code	Range	Air (Nm3/h)
A26-	60-600	A24-	40-400	A21-	15-150	A16-	5-50	A11-	2-20	A6-	0.2-2	A1-	0.06-0.6	
A27-	70-700	A25-	50-500	A22-	20-200	A17-	6-60	A12-	3-30	A7-	0.3-3	A2	0.08-0.8	
A28-	80-800			A23-	30-300	A18-	8-80	A13-	4-40	A8-	0.5-5	A3-	0.1-1	
						A19-	10-100	A14-	5-50	A9-	1-10	A4-	0.12-1.2	
						A20-	12-120	A15-	6-60	A10-	2-20	A5-	0.15-1.5	

*All Rotameter will be supplied by float stopper.
*Special medium can be fabricated as customer request

Certificates

IP65

IP TEST REPORT

Project No.:	TL13-70019
Equipment Under Test:	Variable Area Flowmeter
Model/Type:	ACA02 **Rated Value:** ---
S/N:	---
Manufacturer:	Abzar Control Arshia Co.
Address:	Unit 240, Bulding No.1, University of Tehran, Science and Technology Park, Farshi Modgaddam Ave., North Kargar St., Tehran-Iran.
Applicant:	Abzar Control Arshia Co.
Address:	Unit 240, Bulding No.1, University of Tehran, Science and Technology Park, Farshi Modgaddam Ave., North Kargar St., Tehran-Iran.
Tested According to:	IEC 60529 2013/COR1:2019
Testing Laboratory:	Energy & Power Industries Laboratories Co.
Date of Sample Receiption:	05-Nov-2023
Date of tests:	18-Nov-2023
Date of Issue:	22-Nov-2023
Total number of pages:	11

Tested by: Technical Expert

H. Montazeri

Verified by: Technical Manager

B. Hamidifard

Approved by:

Deputy of Test and Inspection

Prof. B. Vahidi / Prof. S. H. Fathi

Chief Executive Officer

S. M. Mirsadri

E.P.I.L. Technical Department Accredited Lab

The statement of conformity decision on the measured values is made based on guard band w=U, r=1 rule (ISO/IEC Guide 98-4). The specific false accept/reject risk is up to 2.5%.

This report should not be reproduced in extracts without written approval by EPIL. Test result pertain to tested sample only.This report is not valid without Lab stamp.

Head-office: Unit 12, No. 2, Boujari Sefat Dead-End, Corner of Fariman St., Bozorgmehr St., Vali-Asr Ave., Tehran-Iran.
Postal Code:1416854523 Tel: (+9821) 61971 Fax: (+9821) 66174283
Lab: Kavosh Research City, Supa Blvd., 8th km of Karaj-Qazvin Freeway, Iran.
Postal Code: 3365166551 Tel: (+9826) 34996700-14 Fax: (+9826) 34996715

هرگونه تکثیر این گزارش به صورت جزئی یا کلی بدون تایید کتبی اپیل ممنوع می‌باشد. نتایج آزمون‌ها تنها در رابطه با نمونه آزمون شده معتبر است. این گزارش بدون مهر فاقد اعتبار است.

دفتر مرکزی: تهران، خیابان ولیعصر، خیابان بزرگمهر، نبش فریمان، بن بست بوجاری صفت، پلاک ۲، طبقه ۳، واحد ۱۲.
کد پستی: ۱۴۱۶۸۵۴۵۲۳ تلفن: ۶۱۹۷۱ - (۹۸۲۱+) فکس: ۶۶۱۷۴۲۸۳ - (۹۸۲۱+)
آزمایشگاه: کیلومتر ۸ اتوبان کرج - قزوین، بلوار سویا، شهرک تحقیقاتی کاوش، شرکت آزمایشگاه‌های صنایع انرژی.
کد پستی: ۳۳۶۵۱۶۶۵۵۱ تلفن: ۱۴-۳۴۹۹۶۷۰۰ (۹۸۲۶+) فکس: ۳۴۹۹۶۷۱۵ (۹۸۲۶+)

Order Codes

Model		
1	ACA02-	Glass Tube Rotameter
Connection size		
2	6-	1/4"
	15-	1/2"
	20-	3/4"
	25-	1"
	32-	1 1/2
	50-	2"
	80-	3"
	100-	4"
Connection Type		
3	FB150-	Flange ASME B16.5 RF #150 Blind
	FB300-	Flange ASME B16.5 RF #300 Blind
	FB600-	Flange ASME B16.5 RF #600 Blind
	FJ300-	Flange ASME B16.5 RTJ #300 Blind
	FJ600-	Flange ASME B16.5 RTJ #600 Blind
	FP16-	Flange PN16
	FP25-	Flange PN25
	FP40-	Flange PN40
	GM-	Thread BSPM (Male)
	GF-	Thread BSPF (Female)
	NM-	Thread NPTM (Male)
	NF-	Thread NPTF (Female)
	UN-	Union nut
	CLP-	Tri-Clamp
	SP-	Special
wetted parts material		
4	S4-	S.S.304
	S4L-	S.S.304L
	S6-	S.S.316
	S6L-	S.S.316L
	PV	PVC
	PT	PTFE
Housing material		
5	L-	C.S epoxy painted
	S-	S.S.304
	P-	PVC
Float material		
6	S4-	S.S.304
	S4L-	S.S.304L
	S6-	S.S.316
	S6L-	S.S.316L
	PV	PVC
	PT	PTFE
Float type		
7		Standard float
		Oil float
Float shape		
8		Not guided (Standard)
		Not guided with magnet
		Guided (Standard) - for larger than 1"
		Guided with magnet - for larger than 1"
Fluid		
9	W-	Water
	A-	Air
	SP-	Special medium
Range (Tube Size/Flow)		
10	A19-	40 /10-100 m3/h
Accuracy		
11	0-	±2 %FS
	1-	* ±1.6 %FS *
O-ring material		
12	S-	Silicon Rubber
	V-	Viton
	P-	PTFE
	R-	Rubber
Output signal		
13	N-	No
	S-	On/Off Switch
Calibration certificate		
14	Y	* Yes *
	N	No
Flow direction		
15	B-	Bottom To Top
Internal Shaft		
16	Y-	Yes
	N-	No
Certificate (All can be sellected)		
17		Calibration Certificate
		Pressure / Leakage Test
		Material certification
		Hardness Test
		Mechanical properties

Contact Us

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Fax: +98-21-88335745

WhatsApp: +98-21-9352233490
(Just for message)

Address: Hall No 11 ,Beside Football Stadium, Tehran University Science and Technology Park, Farshi Moghadam St., Kargar Shomali Ave., Tehran, Iran

Postal Code: 1439817447

Web site: abzar-control.com