

# Variable area flowmeter Easyflow

The Easyflow series are flowmeters suitable for the measurement and control of transparent or translucent liquids and gases. They may be fitted with socket or butt weld ends in different materials or flanges for inline or panel mounting.

They operate on the variable area principle, where a float effectively suspended in upward flowing media in a tapered plastic flow tube. The vertical axial position of the float within the float tube depends on the flowrate of the media. The plastic flow tube is graduated in suitable flow units, normally with a 10:1 flow range. The reading is taken corresponding with the largest diametric edge of the float.

The Easyflow is a comprehensive range of flowmeters suitable for different flow rates, diameters and tube length.

## Features:

- Wide choice of measuring scales
- Wide choice of end connections
- Eight different diameters
- Five different tube length
- Different plastic tube materials
- Different floater materials
- Interchangeable tube lengths
- Environmentally compatible
- High flexibility and fast delivery also for special scales and other customized solutions
- Radial exchangeable in existing piping systems

Type for liquids: 700 and 750  
 Type for gases: 701 and 751

Measurement range water: 1,5 l/h – 50.000 l/h

Standard media: Water, 30% HCL, 30% NaOH, 50% NaOH, Air  
 Nominal diameter: DN 10, 15, 20, 25, 32, 40, 50, 65

Accessories: Magnetic Limit switches

Accuracy class: Type 750: Class 4 VDI/VDE 3513, Sheet 2  
 Type 700: Class 2,5 VDI/VDE 3513, Sheet 2



	Code	Water	NaOH	HCl	Air
<b>Float material</b>					
PP	5	X	X	X	
PP magnet	5M	X	X	X	
Stainless steel (St. st.)	2	X	X		
St. st. magnet	2M	X	X		
PP air	5				X
PP air magnet	5M				X
<b>Tube material</b>					
PVC	3	X	X	X	X
PA	1	X			
PSU	2	X	X	X	

Temperature in °C		-20	-10	0	5	10	20	25	30	40	50	60	70	80	90	100
Tube material	Fitting material	Operating pressure in [bar]														
		PVC	PVC					10,0	10,0	10,0	8,0	6,0	3,5	1,5		
PVC	PP					10,0	10,0	10,0	8,0	6,0	3,5	1,5				
	St. st.					10,0	10,0	10,0	8,0	6,0	3,5	1,5				
	PSU	PVC					10,0	10,0	10,0	8,0	6,0	3,5	1,5			
PSU	PP					10,0	10,0	10,0	8,5	7,0	5,5	4,0	2,7	1,5	0,8	
	St. st.	15,0	15,0	15,0	15,0	15,0	15,0	15,0	14,0	13,0	12,0	11,0	9,7	8,5	7,7	6,0
PA	PVC					10,0	10,0	10,0	8,0	6,0	3,5	1,5				
	PP					10,0	10,0	10,0	8,5	7,0	5,5	4,0				
	St. st.	15,0	15,0	15,0	15,0	15,0	15,0	15,5	13,5	12,0	10,7	9,5				

# Range

Type 700								Medium						
								Water	HCL 30%	NaOH 30%		NaOH 50%		
								Float						
DN	d	A	B	C	R	Rp	Code	St. st. 1.4571 or St. st. magnet	PP or PP magnet	PP or PP magnet	PP or PP magnet	St. st. 1.4571 or St. st. magnet	PP or PP magnet	St. st. 1.4571 or St. st. magnet
mm						Thread		Measuring range (l/h)						
20	25	394	357	350	1 1/4	3/4	40	25-250	15-150	14-140	13-130	25-210	12-120	20-200
							41	40-400	25-250	23-230	21-210	35-340	20-200	35-320
							42	60-640	45-450	42-420	40-400	55-550	36-360	50-500
							43	100-1000	70-700	65-650	60-600	87-870	55-550	85-800
25	32	400	357	350	1 1/2	1	46	40-400	25-250	23-230	21-210	35-340	20-200	35-320
							47	60-640	40-400	37-370	35-350	55-550	32-320	50-500
							48	100-1000	65-650	60-600	55-550	90-870	52-520	85-800
							49	150-1600	100-1000	90-900	87-870	130-1350	81-810	120-1300
32	40	408	357	350	2	1 1/4	50	150-1600	100-1000	90-900	87-870	130-1350	81-810	120-1300
							51	200-2500	160-1600	150-1500	140-1400	200-2100	130-1300	200-2000
							52	400-4000	200-2500	200-2300	180-2200	350-3400	170-2000	330-3200
							55	200-2500	150-1600	140-1500	130-1400	200-2100	125-1300	180-2000
40	50	418	357	350	2 1/4	1 1/2	56	400-4000	200-2200	190-2000	180-1900	350-3400	170-1700	330-3200
							57	500-5000	250-2500	230-2300	220-2200	440-4300	200-2000	400-4000
							60	400-4000	250-2500	230-2300	220-2200	350-3400	200-2000	330-3200
							61	600-6000	350-3500	330-3200	310-3100	550-5200	280-2800	500-4800
50	63	432	357	350	2 3/4	2	62	1000-10000	500-5000	470-4600	440-4300	870-8700	400-4000	900-8000
							66	1500-15000	1000-8000	950-7500	900-7000	1300-13000	800-6500	1300-12000
							67	2000-20000	1000-10000	930-9300	870-8700	1800-17000	810-8100	1700-16200
							68*	10000-50000	5000-25000	4700-23000	4400-22000	8800-43000	4100-20000	8200-40000

\* Code 68 and gases on request

Type 750								Medium						
								Water	HCL 30%	NaOH 30%		NaOH 50%		
								Float						
DN	d	A	B	C	R	Rp	Code	St. st. 1.4571 or St. st. magnet	PP or PP magnet	PP or PP magnet	PP or PP magnet	St. st. 1.4571 or St. st. magnet	PP or PP magnet	St. st. 1.4571 or St. st. magnet
mm						Thread		Measuring range (l/h)						
10	16	199	171	165	3/4	3/8	1	3-30	1,5-15	1,4-14	1,3-13	2,6-26	1,2-12	2,4-24
							2	4-40	2-20	2-18	2-17	3,5-35	2-16	3-32
							3	10-100	5-50	5-45	4,5-45	9-85	4-40	8-80
							4	20-200	10-100	10-90	9-85	20-170	8-80	16-160
15	20	210	177	170	1	1/2	10	5-50	2-25	2-23	2-21	5-43	2-20	4-40
							11	10-100	5-50	5-45	4,5-45	9-85	4-40	8-80
							12	15-160	10-100	10-90	8,5-85	14-135	8-80	13-130
							13	20-250	15-150	14-140	13-130	20-210	12-120	16-200
20	25	231	192	185	1 1/4	3/4	20	15-150	8-80	7,5-75	7-70	14-130	6,5-65	13-120
							21	25-250	15-150	14-140	13-130	25-210	12-120	20-200
							22	40-400	20-200	19-185	17-170	35-340	16-160	35-320
							23	50-600	30-350	30-325	30-300	45-520	28-280	45-480
25	32	252	207	200	1 1/2	1	24	100-1200	50-650	45-600	45-550	90-1000	40-520	90-950
							31	40-400	20-200	19-185	17-170	35-345	16-160	35-320
							32	50-600	30-300	28-280	26-260	45-520	24-240	45-480
							33	100-1000	60-600	55-550	50-500	90-870	48-480	90-800
							34	150-1500	100-1000	90-900	87-870	130-1300	85-800	125-1200

## Match Code

Ordering Example: **750** . **15** . **11** . **3** . **5** . **10** . **1** . H<sub>2</sub>O

**Type:** 750

**Nominal diameter:** DN 15

**Range:** Code 11

**Tube material:** PVC

**Float material:** Polypropylen (PP)

**End connection:** PVC union / cementing socket

**Seals:** EPDM

**Medium:** H<sub>2</sub>O

Standard end connection: PVC union with cementing socket

- 1 Tube
- 2 Float
- 3 Float stop
- 4 Union nut
- 5 Union end
- 6 O-ring
- 7 Flow indicator
- X Tube Material
- Y Code Measuring range

