



Flow Monitor / Flow Indicator WY

Flow monitor / flow indicator operating on the principle of the float type indicator for liquids



- Wide measuring range
- High reliability
- High switch accuracy
- Fittings in angle seat can be replaced without removing entire device from system



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Features

- Universal orientation
- Wide measuring range
- High reliability
- High switch accuracy
- Infinitely variable switch point adjustment by operator
- Fittings in angle seat can be replaced without removing entire device from system
- Scales are burned onto the sight glass
- Threaded connection, special thread on request

Operating Data

Operating pressure max.	10 bar
Pressure drop	approx. 0,3 bar
Temperature max.	100°C
Measuring accuracy	± 10 % of full scale

Application

- Cooling systems and cooling circuits
- Mechanical engineering
- Medical engineering
- Pharmaceutical industry
- Chemical industry
- Research & Development

Installation Information

The operating instructions for WY must be observed!
Download: www.schmidt-messtechnik.de

Measuring Ranges

Type	Switch range for H ₂ O at 20°C ⁽¹⁾		
	l/min	gph	gpm
WY-15	2,5 - 25		
WY-25	10 - 100		

(1) The specified measuring- / switch ranges are valid for water having a density of 1.00 kg/dm³, vertical installation of the device and flow direction from bottom to top.

Other mounting positions or deviation from the operating densities will increase the measurement error specified in the data sheet.

Operating density for water at 20 °C and 1.013 bar (absolute value): 1.00 kg/dm³.

Upon request, special scales for deviating media, different operating conditions and installation positions (only for devices which can be installed in any position) are available.

The specified switch values are switch-off points, i.e. switch values by decreasing flow.

Other measuring- /switch ranges are available upon request.

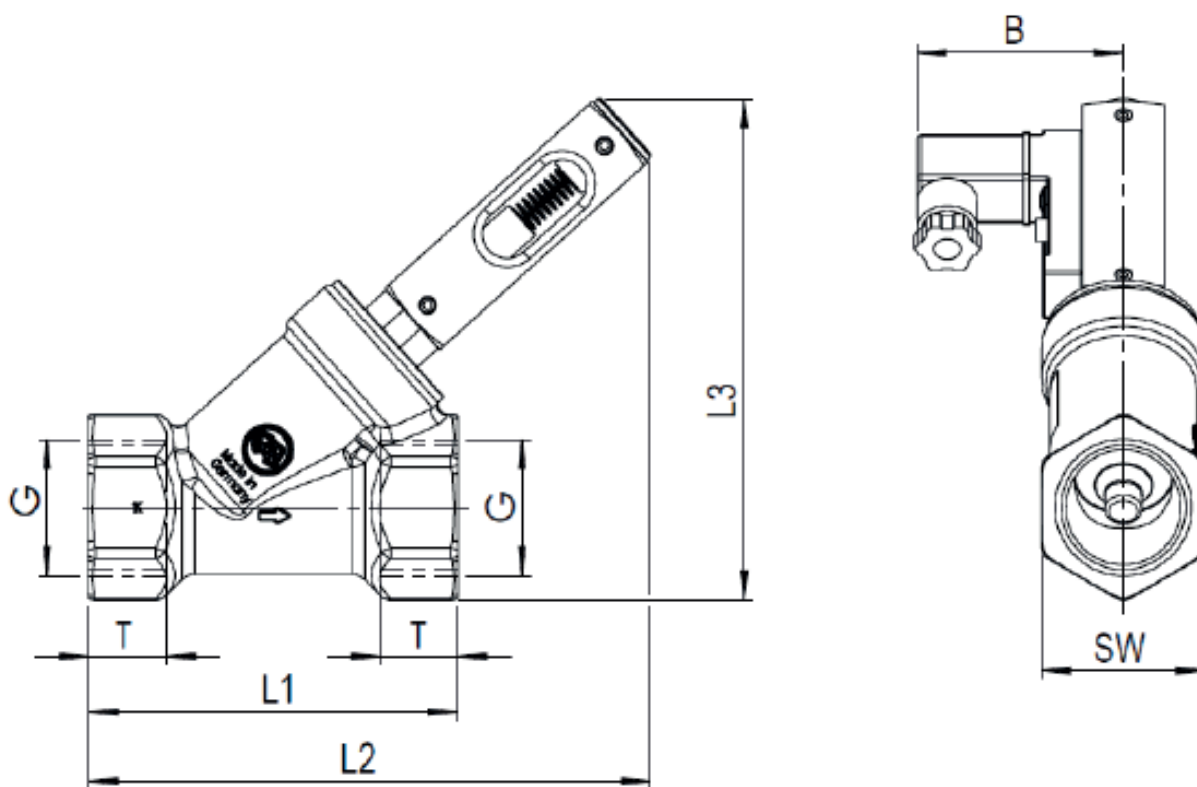
Subject to technical changes.



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Technical Drawing



Summery of Types													
Type	Overall dimensions [mm]												Weight
	G	DN	SW	L1	L2	L3	T	B	A1	A2	A3	A4	approx. [g]
WY-15	½"	-	27	66	117	101	14	50	-	-	-	-	300
WY-25	1"	-	41	90	137	122	19	50	-	-	-	-	700

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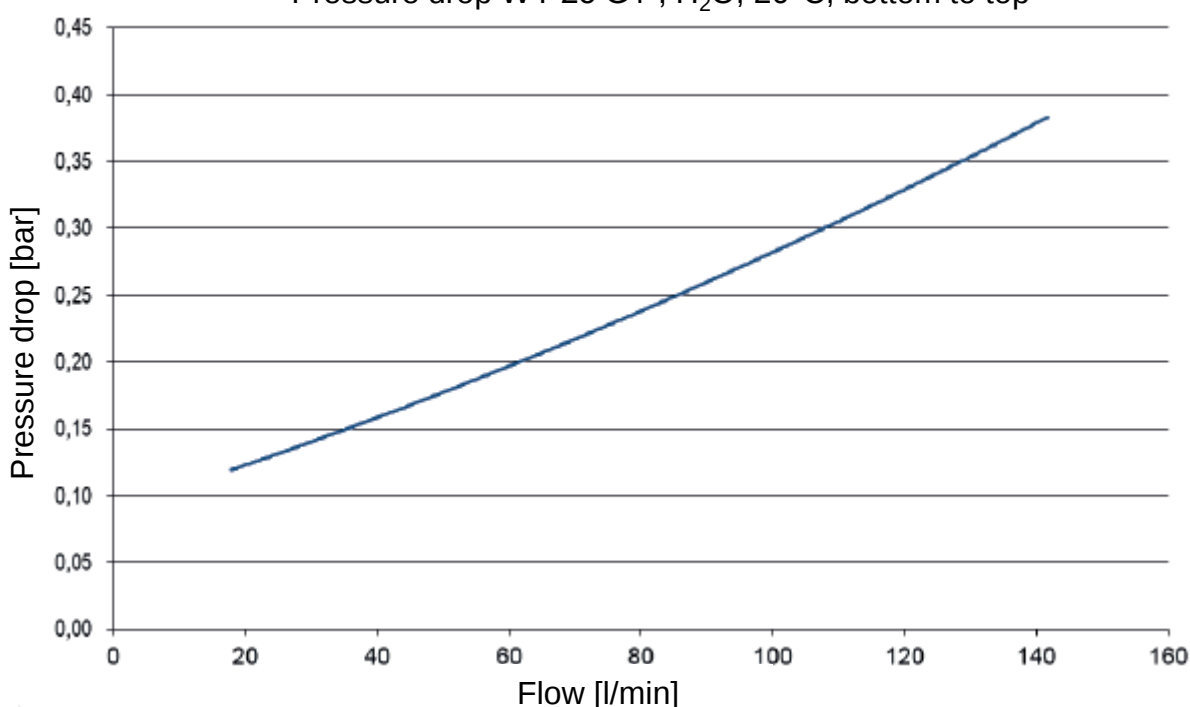


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Pressure Drop Diagram

Pressure drop WY-25 G1", H₂O, 20°C, bottom to top



Materials	
Brass version, wetted parts	
Spring	1.4571
Sight glass	DURAN® 50
Gaskets	NBR (optional FKM, EPDM)
Magnets	Hard ferrite
Float	PEEK (WY-15) Brass (WY-25)
All other wetted parts	Brass, nickel-plated
Brass version, non-wetted parts	
Device housing	Aluminium, anodized

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Electrical Data	
Change over (COC)	150V AC/DC · 1A · 20VA
Normally open (NOC)	140V AC · 0,7A · 20VA 200V DC · 1A · 20VA
Change over M12x1 (3)	125V AC/DC · 1A · 20VA
Normally open M12x1 (3)	125V AC · 0,7A · 20VA 125V DC · 1A · 20VA
(3) -20°C – 85°C	

Electrical Connection

- Connector in compliance with EN 175301-803, Form C (DIN 43650, Form C)
- Connector M12x1

Ingress Protection

IP65: Connector in compliance with EN 175301-803, Form C or connector M12x1

Output signal

The contact opens / changes when the flow decreases below the set point.

Power supply

Not required (potential-free reed contacts)

Connector types

Other connector types on request.

Optional

Analog output: 4-20 mA or 0-10 V

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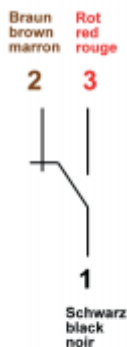
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Connection diagram

Connector in compliance with EN 175301-803 and cable

M12x1

Change over (COC)



Change over (COC)



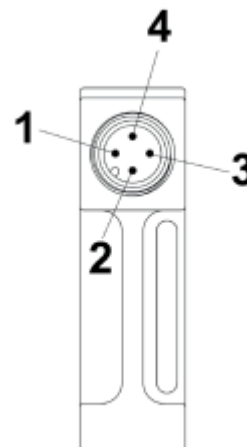
Normally open (NOC)



Normally open (NOC)



Pin-assignment



Important instructions!

Technical changes and errors reserved.

Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.