

Flow indicator with impeller

Nickel-plated brass with borosilicate sight glass, up to 25 bar

Series: S-EDZ5



Overview

Product type	Visual flow indicator with impeller
Medium	Water and water-based, non-aggressive liquids
Connection	G 1/4" to G 1 1/2" female thread
Indicative flow range (water)	0.6 to 60 l/min, by size (smallest 0.6-3, largest 11-60 l/min)
Body material	Nickel-plated brass
Sight glass	Borosilicate glass (Pyrex), replaceable
Pressure rating	25 bar (≈360 psi) (G 1/4" to G 1"), 15 bar (≈220 psi) (G 1 1/4" and G 1 1/2")
Medium temperature	0 to +90 °C (≈32 to 194 °F)

Description

This flow indicator shows at a glance whether a liquid flows through a pipe. An impeller turns in the flow chamber behind a sight glass of borosilicate glass (Pyrex), so a stopped flow is easy to spot. No power supply is needed.

The rotation speed of the impeller only gives a rough idea of the flow. The flow ranges in the model table are indicative values for water. For an actual reading in l/min, choose a variable area flow meter.

Features

- ▶ Visible flow check without power supply
- ▶ Any mounting position, vertical or horizontal
- ▶ Flow in either direction
- ▶ Nickel-plated brass body with borosilicate sight glass
- ▶ Replaceable sight glass for every size
- ▶ 7 sizes from G 1/4" to G 1 1/2"

Technical data

Medium	Water and water-based, non-aggressive liquids
Function	Visual flow indication with impeller (no measured value)
Connection	G 1/4" to G 1 1/2" female thread
Pressure rating	25 bar (≈360 psi) (G 1/4" to G 1"), 15 bar (≈220 psi) (G 1 1/4" and G 1 1/2")
Medium temperature	0 to +90 °C (≈32 to 194 °F)
Mounting position	Any, vertical or horizontal
Flow direction	Either direction
Power supply	Not required
Weight	95 g to 2.3 kg (see models)

Materials

Body	Nickel-plated brass
Impeller	Polyamide PA 66
Sight glass	Borosilicate glass (Pyrex)
Seals	Not specified

Models

The flow range is an indicative range for water in which the impeller rotation is clearly visible; it is not a measuring range.

Tameson SKU	Connection	Visible flow range (water)	Pressure rating	Weight
M286W	G 1/4" female	0.6 - 3 l/min	25 bar	95 g
M286X	G 3/8" female	1.1 - 5.5 l/min	25 bar	370 g
M286Y	G 1/2" female	1.3 - 6.3 l/min	25 bar	320 g
M286Z	G 3/4" female	1.6 - 17 l/min	25 bar	1.1 kg
M2872	G 1" female	2.2 - 27 l/min	25 bar	1.0 kg
M285N	G 1 1/4" female	9 - 55 l/min	15 bar	2.3 kg
M2873	G 1 1/2" female	11 - 60 l/min	15 bar	2.1 kg

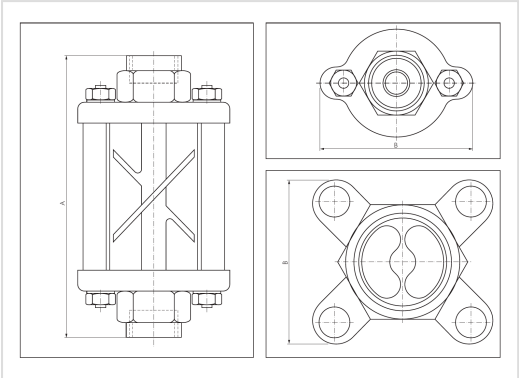
Replacement sight glasses

A scratched or broken sight glass can be replaced without replacing the indicator body. Each glass fits one indicator size; choose it by the thread size of the installed indicator. The glass has the same limits as the indicator: water and water-based, non-aggressive liquids, 0 to +90 °C, 25 bar (G 1/4" to G 1") or 15 bar (G 1 1/4" and G 1 1/2"). Replace the glass only with the line depressurized and drained, and check the indicator for leaks before returning it to service.

Tameson SKU	Part	Fits indicator	Weight
M2874	Replacement sight glass	M286W (G 1/4")	8.6 g
M2875	Replacement sight glass	M286X (G 3/8")	22 g
M2876	Replacement sight glass	M286Y (G 1/2")	20 g
M2877	Replacement sight glass	M286Z (G 3/4")	60 g
M285P	Replacement sight glass	M2872 (G 1")	60 g
M2878	Replacement sight glass	M285N (G 1 1/4")	100 g
M2879	Replacement sight glass	M2873 (G 1 1/2")	90 g

Dimensions

Dimensions A and B as shown in the drawing. The range has two body shapes.



Connection	Length A	Width B
G 1/4"	64 mm	37 mm
G 3/8"	94 mm	58 mm
G 1/2"	94 mm	58 mm
G 3/4"	105 mm	67 mm
G 1"	105 mm	67 mm
G 1 1/4"	156 mm	80 mm
G 1 1/2"	156 mm	80 mm

Installation

- Check that the maximum pressure and temperature of the indicator are not exceeded.

► The indicator can be mounted in any position, vertical or horizontal, and with flow in either direction.
- Use only matching fittings and sealant for the G threads, and check the connections for leaks after installation.

► Use the indicator only for water and water-based, non-aggressive liquids. It is not suitable for oil or aggressive liquids.

Maintenance

Clean the sight glass when deposits make the impeller hard to see. A scratched or broken sight glass can be replaced with the matching spare sight glass.

⚠ Warning

Do not exceed the maximum pressure (25 bar, or 15 bar for G 1 1/4" and G 1 1/2") and the maximum medium temperature of +90 °C. Depressurize and drain the line before removing the indicator or replacing the sight glass.

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Specifications subject to change without notice. Verify current specifications before ordering.