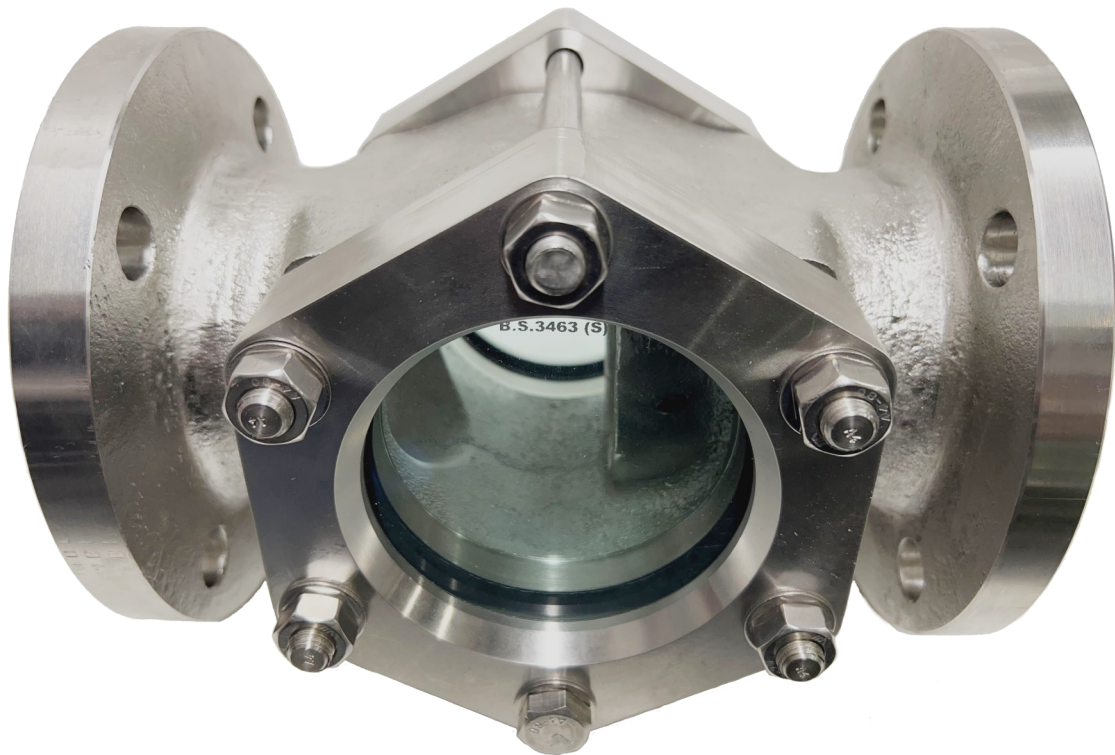

RHODES®



Certificate Number 9027
ISO 9001
ISO 14001



SIGHT FLOW INDICATORS



GUIDE



**BE® Bonut
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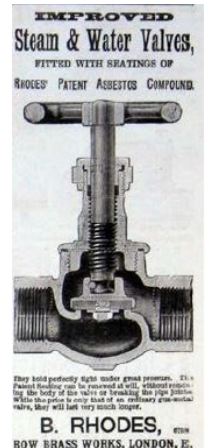
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Rev 1.2

Heritage

Rhodes manufacture and supply Sight Glasses and Sight Flow Indicators. Our products can be found in process and petrochemical plants all over the world, installed on fluid carrying systems where visual inspection of the flow is required.

With a proven design and over 65 years of operational experience, we are the UK market leaders. The Rhodes name is a guarantee of the highest quality product design and manufacture, with quality systems conforming to ISO 9001.



The Rhodes product range has an international reputation for excellence and brings its own area of specialist expertise to markets right across the world. The standard range is well specified by major blue chip companies and is complemented by a design service to build bespoke items to specialist criteria.

Quality Assurance

Rhodes Sight Flow Indicators are designed manufactured, and tested in dedicated production facilities based in the United Kingdom.

Rhodes employ a continuous programme of research and product development using the very latest innovations in manufacturing technology. Quality systems are accredited to ISO 9001



As a leading International supplier, Rhodes has ensured that all products and standard documentation meet the directive requirements.

However, the search for quality should mean more than just certificates, so each and every member of the Rhodes team strive to meet market and customer needs and aim to provide first class product, combined with the highest level of customer service.



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Product Overview

The Rhodes product range has an international reputation for excellence and brings its own area of specialist expertise to markets right across the world. The standard range is well specified by major blue chip companies and is complemented by a design service to build bespoke items to specialist criteria.

Sight Glasses and Flow Indicators are available in various types as follows:

- Straight through with drip spout
- Straight through with flap and scale plate
- Spinner type
- Flow fingers

Glass and joint options

- Standard - supplied with nickel reinforced graphite joints and toughened soda lime glass
- Extra options available include PTFE joints and Toughened Borosilicate glass

Materials

- Stainless steel
- Gunmetal
- Carbon steel
- Cast iron

Port connections

- Female screwed
- Flanged

Available connection types:

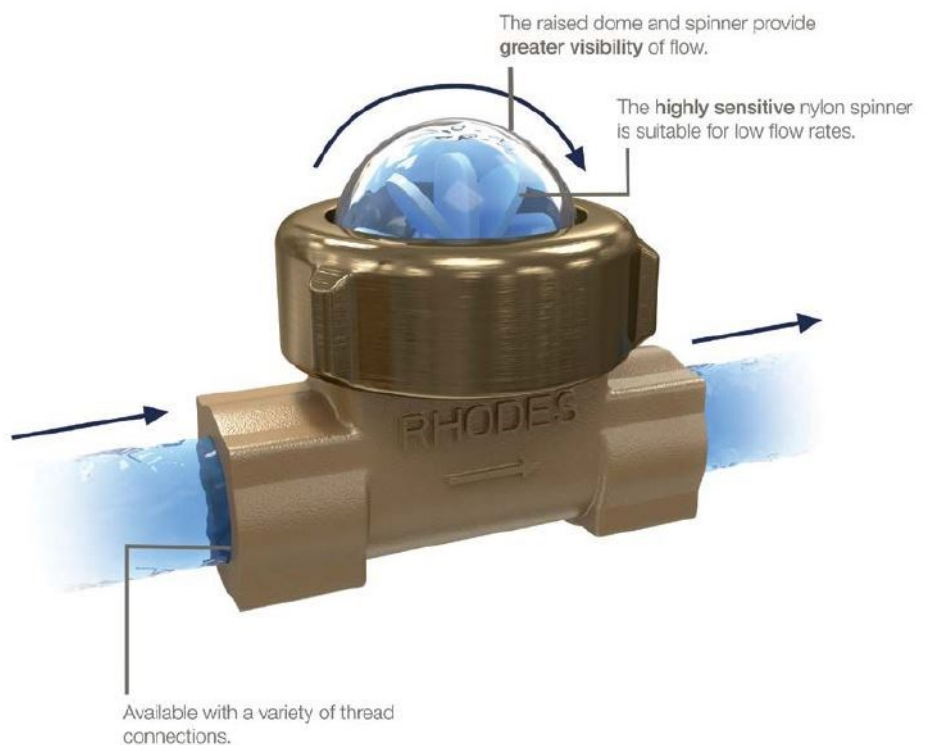
- Female screwed BSP Taper 'Rc' BS EN 10226
- Female screwed BSP Parallel 'Rp' BS EN 10226
- Female screwed BSP Parallel 'G' ISO 228
- Female screwed NPT
- Flanged ANSI 150RF
- Flanged ANSI 150FF
- Flanged ANSI 300RF
- Flanged PN10 BS EN 1092
- Flanged PN16 BS EN 1092
- Flanged PN25 BS EN 1092
- Flanged PN40 BS EN 1092
- Flanged Table A BS10
- Flanged Table D BS10
- Flanged Table E BS10
- Flanged Table F BS10
- Buttweld ANSI B16.25
- Socket Weld ANSI B16.11

Product Benefits

Performance

The Rhodes Fig.400 with Spinner is a versatile Sight Flow Indicator, which can be used in any orientation.

These compact Sight Flow Indicators are used extensively in plant protection applications to indicate coolant or lubrication flow to pumps, compressors, and engines.



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Product Applications

Protection & Performance of Equipment

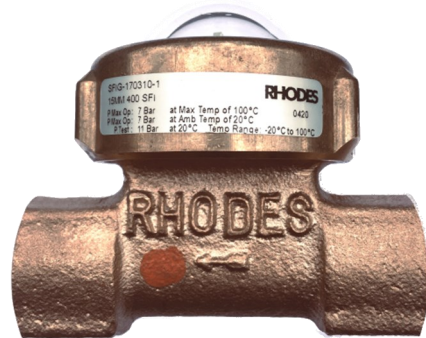
Rhodes moving member indicator models 400, 900 and 408 series provide operators with clear and easy indication of flow deviation, enabling quick and sure identification of flow failure with any cooling or lubricating liquid. Quick and easy identification of any flow issues is critical for both safe operation and prolonging the life of equipment.

Process Indication

Many processes, whether automated or manual, still require the judgement of the human eye to ensure product quality and consistency. Rhodes models within the 900 series enable operators to clearly see what is happening inside a pipe or process vessel.

Liquid Storage and Transfer

The distribution of liquids frequently embraces many stages of filling and emptying vessels as well as flow through pipelines. Efficiency and stock control often require an operator to know the status of a vessel or pipe and Rhodes Flow Indicators have filled this need for many years.



Product Application Overview

Breweries:

- Waste (brewing liquor/wine)

Cleaning:

- To observe injection of cleaning solvents and agents
- To observe liquid quality on filter lines

Furnaces:

- On cooling lines
- To indicate reverse flow

Marine:

- Cooling lines
- Fuel lines

O.E.M:

- Compressors
- Cooling lines
- Cooling lines welding machines
- Cooling lines injection moulding machines
- Cooling lines paper making machinery
- Steam condensate

Oil Industry:

- Unloading arms
- To observe the state of a liquid, colour, bubbles, flow rate or extraneous matter

Oil Platforms:

- Sea water coolants

Process Plants:

- Process lines
- Cooling lines
- Lubricating lines

Production:

- Lubricating lines on rolling mills
- Cooling lines on rolling mills



Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Bonut Engineering assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.



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