

Nixon F Sight Flow Indicator

This sight flow indicator is ideal for you to visually check the flow, presence, colour and condition of a liquid.



- ◆ Stainless steel flap and scale plate
- ◆ CE marked and fully PED compliant
- ◆ Pressures up to 60 bar
- ◆ Temperatures up to 250°C
- ◆ Short lead times
- ◆ The lowest prices in the UK
- ◆ Designed and manufactured in the UK

Application

With the flap and easy to read scale the Nixon F sight flow indicator is used to check the flow rate of a liquid in a pipeline. It can be used in vertical or horizontal lines and is ideal as a plant safety device where you need to maintain a constant flow, for example in lubricating or cooling systems.

Construction

The bodies are cast in either carbon steel or 316 stainless steel.

The glass windows are held in place by stainless steel covers and screws, and sealed with PTFE gaskets, giving superior protection. For ease of maintenance the glasses can be individually removed and replaced.

For standard applications the indicator is fitted with toughened soda lime glass discs to BS3463 and rated to 16 bar. For steam and condensate, we recommend toughened borosilicate glass, while for alkaline liquids mica discs can be used to protect the glass.

The sight glasses can be supplied with screwed connections to NPT, BSP parallel or taper. The standard flanges available are ANSI 150, ANSI 300 and PN16, though special flanges can be machined.

Options

Body - Nixon Flowmeters can supply sight glasses in special materials such as super duplex or low carbon steels. Sight glasses conforming to NACE MR0175 can be produced. For particularly corrosive applications the body and flap can be lined with HALAR, ECTFE or PFA.

Glass - High pressure toughened soda lime to BS3463 rated to 60 bar, toughened borosilicate to BS3463 or DIN7080 rated up to 16 bar. The high pressure range uses powder coated mild steel covers as standard. Stainless steel covers are available as an option.

External Pointer - For dirty or darkly coloured liquids one window can be replaced with a steel cover and external pointer.

Spring - For high flow rates and vertical lines the flap can be spring loaded. This option will give three times the normal flow range.

Quality

All indicators are manufactured to the highest standards.

The quality system is independently audited by BSI and certified to ISO 9000. The indicators are fully PED compliant and CE marked where required. TUV are our external auditors for the Pressure Equipment Directive.

Full material traceability is maintained, material certificates and pressure test certificates are supplied on request.

Specification Code

Code

Description

SF				Stainless steel body BS 1504 316 C16					
CF				Carbon steel body BS 1504 161 GR480					
				Glass Material & Pressure Range					
	H			Toughened soda lime glass to BS3463 rated to 16 bar (standard)					
	B			Toughened soda lime glass to BS3463 rated to 40 bar					
				Toughened borosilicate glass to BS3463					
	HB			Toughened borosilicate glass to DIN 7080					
				<u>Flow Ranges - litres/minute</u>					
			Indicator Size	Scale Reading	2	4	6	8	10
	015		15mm / ½"		3.0	4.5	5.5	8.0	20.0
	020		20mm ¾"		3.0	5.0	6.0	9.5	20.0
	025		25mm / 1"		3.5	6.0	8.0	13.0	30.0
	040		40mm / 1 ½"		8.5	12.5	16.7	25.0	55.0
	050		50mm / 2"		11.0	18.0	25.0	38.0	70.0
	080		80mm / 3"		29.0	46.0	64.0	118.0	230.0
	100		100mm / 4"		53.0	86.0	127.0	188.0	400.0
	150		150mm / 6"		given on request				
	200		200mm / 8"		given on request				
			End Connection						
	A		ANSI 150						
	C		ANSI 300						
	N		PN16						
	1		BSP						
	2		BSPT						
	3		NPT						
	4		Socket Weld						

Materials of Construction

Covers (Standard) - Stainless steel BS 1504 304 C15

(High Pressure) - Powder coated mild steel

Internal Gasket - PTFE

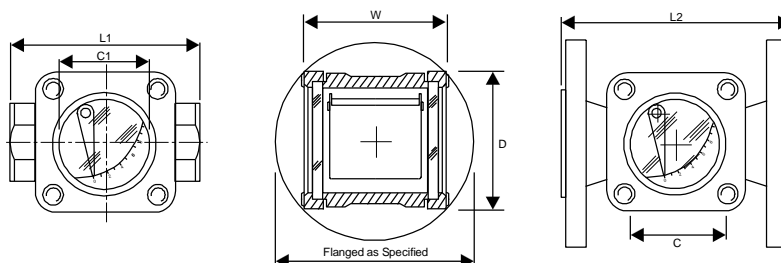
External Gasket - Klingersil C4400

Edge Protector - Klingersil C4400

Fasteners (Standard) - A2 Stainless steel

(High Pressure) - High tensile steel

Dimensions



NOMINAL BORE	LENGTH L1	LENGTH L2	WIDTH W	DEPTH D	CLEARVIEW C
15/20mm	85	130	63	60	42
25mm	95	140	72	66	48
40mm	120	180	102	84	62
50mm	150	220	118	106	77
80mm	N/A	260	160	170	100
100mm	N/A	260	196	170	100
150mm	N/A	360	304	220	150