



# Primary Flowpoints

## Style P Sight Glass

This straight through sight glass is ideal for you to visually check the presence, colour and condition of a liquid.



- ◆ Screwed and flanged connections
- ◆ High quality robust design
- ◆ CE marked and fully PED compliant
- ◆ High temperature and pressure ratings
- ◆ Short lead times
- ◆ Designed and manufactured in the UK.

### Application

The style P sight glass has a plain spout cast in the body and is used to check for the presence of a liquid where there is intermittent flow, partially filled lines or entrained air. It can be used in vertical or horizontal lines. The integral drip lip makes it ideal for leak detection.

### Construction

The standard bodies are cast in either; carbon steel, 316 stainless steel or LG2 gun metal, though we can produce them in other materials

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 supplied.

### Options

**Body** - Primary Flowpoints stock carbon, stainless steel and gun metal, but can supply sight glasses in special materials such as super duplex, hastelloy or low carbon steels. For particularly corrosive applications the body can be lined with PFA.

**Glass** - High pressure toughened soda lime to BS3463 rated to 40 bar or 60 bar depending on the size, toughened borosilicate to BS3463 or DIN7080 rated up to 16 bar. Higher pressures are achievable by reducing the viewing diameter. The high pressure range uses powder coated mild steel covers as standard, though stainless steel covers are available.

**Gaskets** - Graphite gaskets are available if required.

**Fasteners** - We can also offer A4 stainless steel fasteners when necessary.

### Quality

All Flowpoints indicators are manufactured to the highest standards.

The quality system is independently audited by BSI and certified to ISO 9001. 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.

**Tel: 01922 650009**

**Fax: 01922 640326**

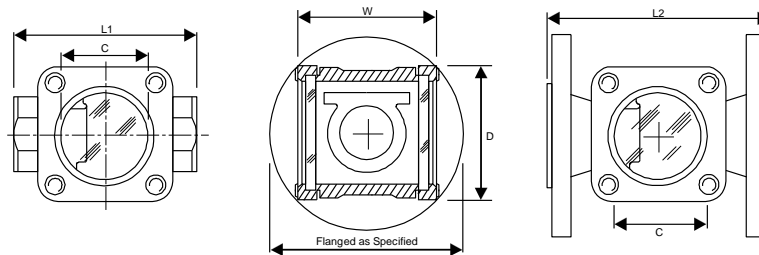
# Specification Code

Code		Description
SP		Stainless steel body BS 1504 316 C16
CP		Carbon steel body BS 1504 161 GR480
GP		Gunmetal body BS 1400 LG2 (screwed only)
		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
HB		Toughened borosilicate glass to BS3463 rated to 6 bar
		Toughened borosilicate glass to DIN 7080 rated to 16 bar
		Indicator Size
	008	8mm / 1/4" (screwed only)
	010	10mm / 3/8" (screwed only)
	015	15mm / 1/2"
	020	20mm / 3/4"
	025	25mm / 1"
	040	40mm / 1 1/2"
	050	50mm / 2"
	080	80mm / 3"
	100	100mm / 4"
	150	150mm / 6"
	200	200mm / 8"
	250	250mm / 10"
		End Connection
	A	ANSI 150
	C	ANSI 300
	N	PN16
	1	BSP
	2	BSPT
	3	NPT
	4	Socket Weld

## Materials of Construction

- Covers - Stainless steel ASTM A351 CF8M (316)
- Powder coated mild steel grade S355J2+N
- Internal Gasket - PTFE (stainless steel and carbon steel)
- Klingersil C4400 (gun metal)
- 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
8/ 10mm (screwed)	85	N/A	63	60	42
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
200mm	N/A	460	370	280	200
250mm	N/A	460	370	280	200