

# Sight Flow Indicators

10E1200 Series

• Simple visual indication that some fluid is actually flowing.

Extremely rugged industrial devices available in two types to do their simple jobs best: provide visual indication that there *is* flow — no measure of how much.

**For use in horizontal lines, or vertical lines with upward flow:** Flapper type — has a hinged flapper suspended between ½" thick glass sight windows. Flapper hangs down against the entry port when there is no flow. When there *is* flow the flapper swings out and up. It assumes an angle that is *roughly* proportional to the rate of flow.

**For use in vertical lines with downward flow where flow is intermittent or volume is too small to fill the line:** Use Flapper Type with Flapper omitted. Shows color turbidity, etc. of flowing fluid but no indication of rate of flow.

*Do not use these for steam or hot water at or*

*above 200°F (93°C). Glass would be attacked. Also, do not use for hydrofluoric acid, fluorine compounds, sodium hydroxide, potassium hydroxide, ammonia, chlorine, or hot concentrated phosphoric acid. Consult factory for available window shields.*

## SPECIFICATIONS

### Materials of construction

Body and flapper: iron, bronze, steel, 316 stainless steel

Windows: tempered soda-lime plate glass

Cover plates: cast iron

Gaskets: Neoprene Standard  
Teflon optional

**Pipeline connections:** NPT or 150 lb. ANSI flanged.

**Temperature limits:** with neoprene gaskets, 225°F (107°C). With asbestos gaskets, 250°F (121°C). Maximum

thermal shock: 180°F (82°C) differential

**Pressure limits:** See Table I

**Standard units available**

See Table II — Sizes, Types and Catalog Numbers

### Optional accessories

Teflon gaskets  
Pyrex windows

### How to order

1. Specify Catalog Number
2. Specify special options or features if any.

For complete technical data please see Fischer & Porter SPECIFICATION 10E1200.

**Many other capacities and options are available — not for quick shipment. Please consult factory for details.**

Table I. Pressure limits: (see Note 3 on Page 6)

Connection Size, Inches	Threaded			Flanged				Weight Lbs.
	Max. Press. PSIG*	End to End Dim'n Inches	Weight Lbs.	Max. Pressure PSIG		Face to Face Dim'n Inches		
				Iron	Steel & S.S.	10E1206	10E1208	
½	500*	4½	4	—	—	—	—	—
¾	450*	4¾	6½	—	—	—	—	—
1	375	5	8	—	275	6	—	12
1½	300	5¾	12	—	275	7	—	17
2	225	6	14	175	225	7½	7¾	22
3	—	—	—	150	150	9	9	37
4	—	—	—	100	100	11¾	—	65
6	—	—	—	—	35	16	—	150

\*These ratings are for steel and S.S. Bronze or cast iron ratings of ½" and ¾" bodies is 400 psig.



Table II. Sizes, Types and Catalog Numbers

Size	Model 10E1205 Threaded Flapper Type				Model 10E1206 Flanged Flapper Type		
	Cast Iron	Bronze	Steel	Stainless Steel	Cast Iron	Steel	Stainless Steel
½	820B002U18	820B002U23	820B002U28	820B002U33	—	—	—
¾	820B002U19	—	820B002U29	820B002U34	—	—	—
1	820B002U15	820B002U20	820B002U25	820B002U30	—	820B002U05	820B002U11
1½	820B002U16	820B002U21	820B002U26	820B002U31	—	820B002U06	820B002U12
2	820B002U17	—	820B002U27	820B002U32	820B002U02	820B002U07	820B002U13
3	—	—	—	—	820B002U03	820B002U08	—
4	—	—	—	—	—	820B002U09	—
6	—	—	—	—	—	820B002U10	—