

CLEANABILITY MATTERS

Hygienic Sight Flow Indicators

Achieve controlled intrusion meeting ASME-BPE's strictest requirements by employing

- **ASME BPE** dimensions and design principles
- Precision-Bore borosilicate glass
- Tightly toleranced EHEDG inspired O-ring capture

MAXIMIZE YOUR VIEW

Hy-Sight four window design, largest view of any slim, low-profile sight flow indicator

- Provides maximum process visibility
- Superior view in any orientation

For custom lengths, see **Full View Hy-Sight** (T100.62)

MAXIMIZE PRODUCTION

- Less product "hold-up" at transition point
- Shorten cleaning cycles and prevent product loss
- Surpass your CIP & SIP requirements

NO-GALL THREADS

- ACME threads
- Eliminate potential for cross-threading
- Easy maintenance

POSITIVE STOP DESIGN

- Eliminates over-compression of O-ring into tube bore
- No exposed threads to trap debris

HIGHEST PRESSURE RATING

- Highest safety factor versus system design pressure
- Replace bulls-eye units improving cleanability while saving space and cost

"The Jacoby-Tarbox Hy-Sight has the best transition point I have ever seen, or felt, in a hygienic sight flow indicator."

—Lead System Designer

Major Hygienic Systems Packager



JACOBY-TARBOX®
HY-SIGHT™

Hygienic Clamp Connections According to ASME-BPE

ASME-BPE SF4 (15Ra µin, .38µm Mechanical and Electropolished) wetted surface finish

FDA, USP Class VI and ADI Compliant seals and locating O-rings

Individual components marked for full traceability

Precision-Bore Type 1 Borosilicate Glass with flame polished ends to improve surface finish and sealability

Specify Your Hy-Sight

| Model | Size | Wetted Metal | Head | Window | O-Ring |
|-------|------|--------------|------|--------|--------|
| T H Y | | | | | |

| | |
|-------------------|--------------|
| MODEL Hy-Sight | CODE THY- |
|-------------------|--------------|

| SIZE | CODE | SIZE | CODE |
|--------|------|--------|------|
| 1/4" | 04 | 2" | 18 |
| 3/8" | 06 | 2-1/2" | 20 |
| 1/2" | 08 | 3" | 22 |
| 3/4" | 10 | 4" | 24 |
| 1" | 12 | | |
| 1A | 13 | | |
| 1-1/2" | 16 | | |

ASME BPE 1" = 1A

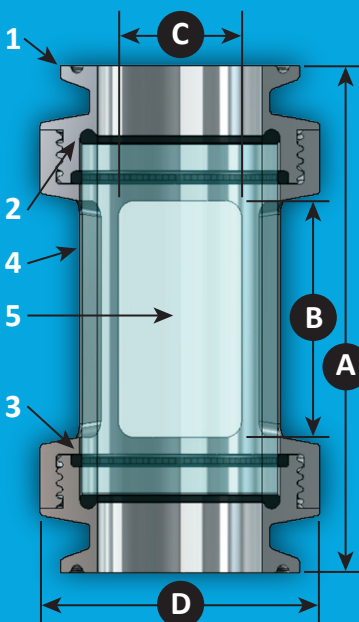
| | |
|-----------------|------|
| HEAD MATERIAL | CODE |
| 316L SS | 6L |
| Hastelloy® C22 | H2 |
| Hastelloy® C276 | H6 |
| AL6XN® | 6X |

“Out-of-Box”
Compliant

| | |
|----------------------------|------|
| O-RING SEAL MATERIAL | CODE |
| EPDM | E |
| FKM (Viton®) | V |
| Silicone, Platinum Cured | S |
| Perfluoro Elastomer (FFKM) | DP |
| FEP Encapsulated Silicone | T |
| Special Material | XG |

| | |
|----------------------|------|
| WINDOW MATERIAL | CODE |
| Annealed Boro | A |
| Acrylic (Plexiglas®) | P |
| Special Material | XW |

| | |
|-------------------------|------|
| HEAD SURFACE FINISH | CODE |
| 15 Ra – Electropolished | F4 |
| Special Finish | XF |



HY-SIGHT™

| ITEM | NAME | QTY. |
|------|------------------|------|
| 1 | Head | 1 |
| 2 | Sealing O-Ring | 2 |
| 3 | Alignment O-Ring | 2 |
| 4 | Body | 1 |
| 5 | Window Cylinder | 1 |

| Size* Tube OD | A LENGTH | | B VIEW LENGTH | | C VIEW WIDTH | | D UNIT OD | | UNIT WEIGHT | | MAX PRESSURE | |
|------------------|-------------|-----|------------------|------|-----------------|------|--------------|-----|----------------|------|-----------------|-----|
| | IN | mm | IN | mm | IN | mm | IN | mm | Lb | Kg | psi | Bar |
| 1/4" | 2.6 | 65 | 0.5 | 12.6 | 0.2 | 6.0 | 0.9 | 24 | 0.33 | 0.15 | 300 | 21 |
| 3/8" | 2.6 | 65 | 0.5 | 11.7 | 0.4 | 9.0 | 0.9 | 24 | 0.40 | 0.18 | 300 | 21 |
| 1/2" | 3.0 | 76 | 0.9 | 21.9 | 0.4 | 10.0 | 1.2 | 30 | 0.47 | 0.21 | 300 | 21 |
| 3/4" | 3.4 | 87 | 1.2 | 32 | 0.6 | 14 | 1.5 | 37 | 0.58 | 0.26 | 250 | 17 |
| 1A | 3.6 | 91 | 1.5 | 37 | 0.6 | 16 | 1.8 | 46 | 0.82 | 0.37 | 200 | 14 |
| 1" | 3.6 | 91 | 1.5 | 37 | 0.6 | 16 | 1.8 | 46 | 1.09 | 0.49 | 200 | 14 |
| 1-1/2" | 4.1 | 105 | 1.9 | 49 | 1.0 | 26 | 2.3 | 59 | 1.19 | 0.54 | 150 | 10 |
| 2" | 4.7 | 120 | 2.5 | 64 | 1.4 | 35 | 2.9 | 73 | 1.62 | 0.74 | 125 | 9 |
| 2-1/2" | 5.9 | 151 | 3.7 | 94 | 1.8 | 46 | 3.5 | 89 | 2.52 | 1.14 | 125 | 9 |
| 3" | 6.9 | 175 | 4.7 | 118 | 2.1 | 54 | 4.0 | 101 | 1.44 | 3.18 | 110 | 8 |
| 4" | 7.9 | 200 | 5.6 | 144 | 2.8 | 70 | 5.0 | 126 | 5.02 | 2.28 | 90 | 6 |

*Hygienic clamp dimensions are in accordance with ASME-BPE, shown in inches

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