

The Right Connection®

HSG-Series Hygienic Sight Glass



Applications

- Used widely in the food, dairy, and beverage sanitary processes to view products and fluids
- Can be used in industrial applications when you want to CIP and require 316L stainless steel construction

Sizes

- 1/2" to 6"
 - single pin clamp: 1" to 6"; EPDM or FKM gasket - bolted clamp: 1/2" to 6"; PTFE gasket

Features

- 3A CIP certified
- Higher pressure range than other sight glasses
- Easy assembly and disassembly
- Rubber seals are I-line gaskets
- Clamp protects glass from getting damaged
- Patent pending assembly design

Materials

- Body: 316L stainless steel
- Sight glass: polycarbonate
- Gaskets: PTFE, EPDM, or FKM



Single Pin Clamp



Bolted Clamp

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| Series | Elastomer 1 | Size | Body One Connection | Body Two Connection | Surface Finish |
|--------|---------------------------------|-------------------------|--------------------------------------|---|---|
| HSG | E = EPDM V = FKM P = PTFE | 050 = 1/2" ² | M = male I-line M = threaded here | C = triclamp B = weld F = female I-line M = male I-line T = threaded bevel P = plain bevel with nuts Q = Q-line | A = ≤32 Ra (ID mechanical polish) B = ≤25 Ra (ID mechanical polish) C = ≤20 Ra (ID mechanical polish) D = ≤15 Ra (ID electropolish) E = ≤10 Ra (ID electropolish) |
| | | 075 = 3/4" ² | | | |
| | | 100 = 1" | | | |
| | | 150 = 1-1/2" | | | |
| | | 200 = 2" | | | |
| | | 250 = 2-1/2" | | | |
| | | 300 = 3" | | | |
| | | 400 = 4" | | | |
| | | 600 = 6" | | | |

Part Number Key

 1 EPDM or FKM with single pin clamp, PTFE with bolted clamp 2 1/2" and 3/4" available only with PTFE elastomers

Pressure Ratings

| Size | PSI @ 70°F (21°C) | PSI @ 200°F (93°C) |
|-----------|-------------------|--------------------|
| 1/2" - 1" | 500 | 300 |
| 1-1/2" | 450 | 250 |
| 2" | 400 | 200 |
| 2-1/2" | 350 | 175 |
| 3" | 250 | 125 |
| 4" | 80 | 40 |
| 6" | 50 | 25 |

NOTE: Repair kits consisting of two gaskets are available for all sizes and configurations.

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