

330 All-Welded Flush Mini Seal

FEATURES

- All-welded construction
- No gaskets or bolts
- Compact size to fit in limited-space areas

TYPICAL USES

- Pulp and paper
- Chemical and petrochemical
- Pharmaceutical
- Food and beverage



330
Threaded Seal

SPECIFICATIONS

| | |
|------------------------|-------------------|
| Connection style: | Threaded |
| Process Connection: | 1 NPT |
| Instrument Connection: | ¼ or ½ NPT Female |
| MAWP: | 3,000 psi |
| Fill Fluid: | See table 1 |

WETTED COMPONENTS

| | |
|-----------|-----------------------|
| Diaphragm | Top Housing (threads) |
| 316L SS | 316L SS |

KEY BENEFITS

- All-stainless corrosion-resistant design
- Flush design prevents clogging or buildup of process media

330 All-Welded Flush Mini Seal

TABLE 1 - FILL FLUIDS

| Fill Fluid | Temperature | Viscosity (cSt at RT) | Variation Code | Notes |
|-----------------------------|-----------------------------------|-----------------------|----------------|--|
| Glycerin (food grade) | 0°F to 400°F (-18°C to 204°C) | 1,300 | CG | Direct-mounting only. Not for use with vacuum service |
| 50 cSt Silicone | -40°F to 500°F (-40°C to 260°C) | 50 | CK | |
| 10 cSt Silicone | -40°F to 500°F (-40°C to 260°C) | 10 | DJ | |
| Halocarbon® 4.2 | -70°F to 300°F (-57°C to 199°C) | 4.2 | CF | For use with oxygen/oxidizing process media |
| Slytherm® 800 | -40°F to 750°F (-40°C to 400°C) | 10 | HA | High temperature applications |
| Syltherm® XLT | -150°F to 500°F (-100°C to 260°C) | 1.4 | CC | Low temperature applications |
| Calflo® AF | -20°F to 600°F (-29°C to 316°C) | 60 | KF | High temperature, silicone-free |
| Mineral Oil | 10°F to 400°F (-12°C to 204°C) | 75 | MY | |
| Neobee® M-20 (food grade) | 5°F to 400°F (-15°C to 204°C) | 9.5 | NM | |
| Silicone (food grade) | -40°F to 500°F (-40°C to 260°C) | 350 | CZ | |
| Distilled Water | 40°F to 185°F (4°C to 85°C) | 0.9 | FJ | |
| 50/50 Glycerin/Water | 15°F to 200°F (-9°C to 93°C) | 30 | GH | |
| Propylene Glycol | -50°F to 325°F (-46°C to 163°C) | 54 | CV | |
| Ethylene Glycol | 20°F to 325°F (-7°C to 163°C) | 14 | FK | |
| 50/50 Ethylene Glycol/Water | -25°F to 190°F (-32°C to 88°C) | 2.9 | CT | |
| 80/20 Glycerin/Water | 15°F to 225°F (-9°C to 107°C) | 270 | GR | |
| 95/5 Water/Propylene Glycol | 40°F to 185°F (4°C to 85°C) | 1.0 | PY | |

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| | | | | | | | |
|--|-----------------|-----------|------------|-----------|------------|------------|-----------|
| ORDERING CODE | Example: | 08 | 330 | SX | 02T | XCK | DU |
| Process Connection Size | | | | | | | |
| 08 - 1 NPT Male | | 08 | | | | | |
| Seal Type | | | | | | | |
| 330 Flush threaded seal | | | 330 | | | | |
| Diaphragm Material | | | | | | | |
| SX - 316L SS | | | | SX | | | |
| Instrument Connection Size | | | | | | | |
| 02T - ¼ NPT | | | | | 02T | | |
| 04T - ½ NPT | | | | | | | |
| Options (if choosing option(s) must include an "X") | | | | | | X__ | |
| Fill Fluid (See Table 1 above for more available fill fluids) | | | | | | | |
| CK - 50 cSt Silicone | | | | | | CK | |
| Optional Features | | | | | | | |
| NH - SS instrument tag | | | | | | | |
| DU - Instrument welded to seal (instrument connection must be of like material to top housing) | | | | | | | DU |
| MQ - Positive material identification | | | | | | | |
| 6B - Cleaned for oxygen service | | | | | | | |

When selecting an instrument, refer to the [Min/Max Guide](#) for compatibility with this diaphragm seal or scan the QR code to the right.



DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

330 FLUSH MINI-SEAL

| Model | A | B | C |
|-------|-----------|-----------|-----------|
| 330 | 1.34 [34] | 2.13 [54] | 1.38 [35] |

