



Sanifluor® 1000 Replacement Valve Seats

For Alfa Laval SRC and ARC Valves Operating at High Temperatures

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- ♣ Elastomeric Material FDA and USP Compliant
- ♣ Excellent Steam and Caustic Resistance up to 400° F (204° C)
- ♣ Very Good Chemical Resistance
- ♣ Low TOCs and Metal Extractables
- ♣ Longer Life in SIP, CIP and WFI applications

Sanifluor® 1000 valve seats have excellent chemical, heat and steam resistance. They provide superior performance in hot water, steam and virtually all caustics making them ideal for pharmaceutical, medical, biotechnology, food and cosmetic manufacturers who use steam or caustic chemicals or a combination of both in their sterilization processes. These very aggressive conditions can be too harsh for commonly used valve seat materials such as EPDM and FKM. Sanifluor® valve seats provide excellent performance in SIP (steam in place), CIP (clean in place) and WFI (water for injection) applications.

Sanifluor® 1000 is formulated for use in valve seats where both USP and FDA compliance are required.** It also complies with 3-A Sanitary Standard for multiple-use rubber materials.

Sanifluor® 1000 meets the extractive requirements of FDA 21CFR177.2600.

**On July 23, 2009, The U.S. Food and Drug Administration (FDA) confirmed the compliance of Sanifluor 1000 for repeated use in contact with food by publication of Food Contact Substance Notification (FCN) 000891.

The Sanitary Seal Division of PTI Inc. (SSD) does not manufacture or sell Alfa Laval vales or valve seats. SSD is not affiliated, in any way, to Alfa Laval nor are its products endorsed by Alfa Laval.

Sanifluor® is a registered trademark of Process Technologies, Inc.

Sanifluor® 1000 Alfa Laval Replacement Valve Seat Part Numbers

| Valve Type | 1" | 1.5" | 2" | 2.5" | 3" | 4" |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|
| | Part No. | Part No. | Part No. | Part No. | Part No. | Part No. |
| SRC Shut-Off Valve | N/A | 31353-0320-FEP | 31353-0321-FEP | 31353-0320-FEP | 31353-0320-FEP | 31353-0320-FEP |
| SRC Divert Valve (1) | 31353-0321-FEP | 31353-0321-FEP | 31353-0321-FEP | 31353-0322-FEP | 31353-0324-FEP | 31353-0325-FEP |
| SRC Divert Valve (2) | 9612-5596-01-FEP | 31353-0320-FEP | 31353-0321-FEP | 31353-0322-FEP | 31353-0324-FEP | 31353-0325-FEP |
| ARC Shut-Off Valve | N/A | 31353-0320-FEP | 31353-0321-FEP | 31353-0322-FEP | N/A | N/A |
| ARC Divert Valve (1) | N/A | 31353-0321-FEP | 31353-0321-FEP | 31353-0323-FEP | N/A | N/A |
| ARC Divert Valve (2) | N/A | 31353-0320-FEP | 31353-0321-FEP | 31353-0322-FEP | N/A | N/A |



Compatibility Guide for Common Chemicals Used in CIP Processes

| | EPDM | BUNA-N | Silicone | FKM | Sanifluor® | Viton® X | PTFE | Tyflour |
|------------------------|------|--------|----------|-----|------------|----------|------|---------|
| Acetone | 1 | 4 | 4 | 4 | 4 | 2 | 1 | 1 |
| Ammonia | 1 | 2 | 2 | 4 | 4 | 4 | 1 | 1 |
| Hydrochloric Acid | 3 | 4 | 4 | 1 | 1 | 1 | 1 | 1 |
| Hydrofluoric Acid | 3 | 4 | 4 | 3 | 2 | 3 | 1 | 1 |
| Hydrogen Peroxide | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| Isopropyl Alcohol | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Nitric Acid | 2 | 4 | 2 | 1 | 2 | 1 | 1 | 1 |
| Phosphoric Acid | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| Sodium Hydroxide | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| Sodium Hypochlorite | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| Sulfuric Acid | 2 | 3 | 4 | 1 | 1 | 1 | 1 | 1 |
| Steam to 400°F (204°C) | 3 | 4 | 4 | 4 | 1 | 3 | 3 | 3 |

1 - Excellent 2 - Good 3 - Limited 4 - Not Recommended

Part Numbers for High Performance Sanitary Gasket Materials

| | 1" | 1-1/2" | 2" | 2-1/2" | 3" | 4" |
|------------|------------|----------------|------------|----------------|------------|------------|
| Viton® X | 40MP-FLX 1 | 40MP-FLX 1 1/2 | 40MP-FLX 2 | 40MP-FLX 2 1/2 | 40MP-FLX 3 | 40MP-FLX 4 |
| Sanifluor® | 40MP-FEP 1 | 40MP-FEP 1 1/2 | 40MP-FEP 2 | 40MP-FEP 2 1/2 | 40MP-FEP 3 | 40MP-FEP 4 |
| Tyflour™ | 40MP-TY 1 | 40MP-TY 1 1/2 | 40MP-TY 2 | 40MP-TY 2 1/2 | 40MP-TY 3 | 40MP-TY 4 |

Part Numbers for Standard Sanitary Gasket Materials

| | 1" | 1-1/2" | 2" | 2-1/2" | 3" | 4" |
|----------------|------------|----------------|------------|----------------|------------|------------|
| Buna-N | 40MP-U 1 | 40MP-U 1 1/2 | 40MP-U 2 | 40MP-U 2 1/2 | 40MP-U 3 | 40MP-U 4 |
| Silicone White | 40MP-FXW 1 | 40MP-FXW 1 1/2 | 40MP-FXW 2 | 40MP-FXW 2 1/2 | 40MP-FXW 3 | 40MP-FXW 4 |
| Silicone Clear | 40MP-FXC 1 | 40MP-FXC 1 1/2 | 40MP-FXC 2 | 40MP-FXC 2 1/2 | 40MP-FXC 3 | 40MP-FXC 4 |
| EPDM | 40MP-E 1 | 40MP-E 1 1/2 | 40MP-E 2 | 40MP-E 2 1/2 | 40MP-E 3 | 40MP-E 4 |
| Viton®/FKM | 40MP-SFY 1 | 40MP-SFY 1 1/2 | 40MP-SFY 2 | 40MP-SFY 2 1/2 | 40MP-SFY 3 | 40MP-SFY 4 |
| PTFE | 40MP-G 1 | 40MP-G 1 1/2 | 40MP-G 2 | 40MP-G 2 1/2 | 40MP-G 3 | 40MP-G 4 |

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