



03/09/2018

Mr. Kent Madison  
3R Valve, LLC  
29299 Madison Rd  
Echo, OR 97826

**Subject:** Initial Authorized Registered Formulation for Standard 61

Enclosed is a copy of your initial Authorized Registered Formulation. This complete formulation (original copy with blue watermark) must be retained and on file at the identified plant location for review by an NSF Field Representative, conducting the annual/follow-up audits. Please forward the Authorized Registered Formulation to the appropriate plant. Each product is identified by Document Control Code (DCC number) located in the upper left hand corner of each page.

The NSF audit of your plant, including materials/process verification and product sampling, will be guided by this formulation. Failure to maintain this information at the plant may require special follow-up audits or result in removal of products from Listing.

Only those specific material/ingredients and use levels indicated in the Authorized Registered Formulation are authorized for use in the Certified Product. To obtain authorization for an alternate supplier (or other modification) please contact your Certification Project Manager at 1-800-NSF-MARK to request the appropriate forms. For customers outside the USA, please use 1-734-769-8010 and ask for your Certification Project Manager. As a reminder, you are not permitted to make any formulation changes to NSF Certified products without prior written approval from NSF.

If you have any questions about the Authorized Registered Formulation, please contact your Certification Project Manager indicated below.

**Enclosure:** Authorized Registered Formulation

**Certification Project Manager:** James Tucker, 1-734-913-5739, jtucker@nsf.org

**Plant:** C0362154  
**DCC:** PM18264

**NSF/ANSI Standard 61 - Drinking Water System Components - Health Effects**  
**Authorized Registered Formulation**

*This product may require additional evaluation or testing prior to authorization for Listing. Only products included in NSF's Official Listing are NSF Certified and authorized to bear an NSF Certification Mark.*

Customer Name: 3R Valve, LLC

Facility Location: Echo, OR

Customer Number: C0362147

Facility At: Echo, OR

Facility Number: C0362154

Function: Valves

Size: 5-14 in

**Trade Name(s)**

ASR (Aqua System Recovery) Valve

**Listing Notes**

Certified for a minimum flow of 900 gallons per day.

Not intended for residential use.

**Category:** MECH, SECTION 8 - MECHANICAL DEVICES**Material Type:** Multiple Water Contact Materials (MLTPL)**Temperature:** Cold (73 F/23 C)**Auditor Notes**

For metal alloy components indicated on the wetted parts list as supplied by Any Supplier only, alternate suppliers are acceptable if a metallurgical analysis specific for the alloy is available for review from each source. The auditor is required to verify that copies of metal certification statements are kept on file and the standard alloy designation from each supplier matches that noted on the wetted parts list.

**Sample Notes**

Please collect the following components:

- (3) 4 ft hydraulic hose assemblies
- (2) 220 sq in sections 303 stainless steel
- (2) 150 sq in sections 17-7 stainless steel
- 130 sq in UMHW PE
- 20 sq in C89835
- 4 sq in HP4 hose protectors
- (2) 2 sq in sections of 201 stainless steel
- 1 sq in 90URE

**Miscellaneous Note**

Bracketing Justification:

The ASR (Aqua System Recovery) Valve allows drinking water from a separate source to be stored in an existing aquifer and recovered later without the need for a separate injection well. The valve is used in a well column in conjunction with a submersible pump. When the valve is in the closed position, water may be pumped up through the column to its intended end use. When the valve is open water may be pumped down the column into the aquifer for storage.

The retaining ring, piston cup, rod-t-seal, rubber seals, u-seals and lubricant are not considered wetted components, as they are contained within the valve and sealed by the wiper rings.

The worst case test representative is based on a 5 inch valve with a 10 foot water column. A minimum daily flowrate of 900 gallons will be used to account for extended periods in which the valve is not used.

## Wetted Parts List

Customer Name: 3R Valve, LLC

Facility Location: Echo, OR

Customer Number: C0362147

Facility At: Echo, OR

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| Part Description        | Part Number | Part Trade Name   | Supplier                  | Formulator        | Qty | Wetted Area | Footnotes | DCC     | Date of Acceptance |
|-------------------------|-------------|---|---------------------------|-------------------|-----|-------------|-----------|---------|--------------------|
| 0.405 ID HYDRAULIC HOSE |             | SCT SERIES HIGH PRESSURE/TEMPERATURE SILICONE COVERED TEFLON HOSE | KLEENFLO HOSE             | DIEBOLT & COMPANY |     |             |           | ND06162 | 03/09/2018         |
| UPPER GLAND             |             | STAINLESS STEEL AISI TYPE 303 (UNS S30300)                        | ANY SUPPLIER              |                   |     |             |           | IA05802 | 03/09/2018         |
| VALVE BODY              |             | STAINLESS STEEL AISI TYPE 316L (UNS S31603)                       | ANY SUPPLIER              |                   |     |             |           | IA05003 | 03/09/2018         |
| COIL SPRING             |             | 17-7 STAINLESS STEEL  | ANY SUPPLIER              |                   |     |             |           | IA10312 | 03/09/2018         |
| LOWER GLAND             |             | STAINLESS STEEL AISI TYPE 303 (UNS S30300)                        | ANY SUPPLIER              |                   |     |             |           | IA05802 | 03/09/2018         |
| UHMW CAGE               |             | TIVAR 1000 UHMW-PE  | PASCO MACHINE             |                   |     |             |           | ES11709 | 03/09/2018         |
| PUSH RODS               |             | STAINLESS STEEL AISI TYPE 304 (UNS S30400)                        | ANY SUPPLIER              |                   |     |             |           | IA05000 | 03/09/2018         |
| DOUGHNUT PISTON         |             | C89835  | PASCO MACHINE             |                   |     |             |           | ES11657 | 03/09/2018         |
| LOWER HYDRAULIC LINE    |             | STAINLESS STEEL AISI TYPE 304 (UNS S30400)                        | ANY SUPPLIER              |                   |     |             |           | IA05000 | 03/09/2018         |
| HOSE PROTECTOR PRODUCTS |             | HP4   | EPHA                      |                   |     |             |           | ES11658 | 03/09/2018         |
| HYDRAULIC HOSE BUCKLE   |             | STAINLESS STEEL AISI TYPE 201 (UNS S20100)                        | ANY SUPPLIER              |                   |     |             |           | IA25273 | 03/09/2018         |
| HYDRAULIC HOSE BAND     |             | STAINLESS STEEL AISI TYPE 201 (UNS S20100)                        | ANY SUPPLIER              |                   |     |             |           | IA25273 | 03/09/2018         |
| WIPER RINGS             |             | 90URE   | HERCULES SEALING PRODUCTS |                   |     |             |           | ND06222 | 03/09/2018         |
| THREADED NIPPLE FITTING |             | STAINLESS STEEL AISI TYPE 316 (UNS S31600)                        | ANY SUPPLIER              |                   |     |             |           | IA05002 | 03/09/2018         |

## Notes

Definitions of Terminology used in this Document:

Trade name: The name given to the ingredient, material or assembly by the company that makes the product.

Supplier: The name of the company that provides an ingredient, material or assembly directly to the company that makes the product covered by this registration. The supplier could be a formulator, distributor, fabricator, molder, extruder, mixer, manufacturer or assembler.

Formulator: The name of the company that prepares a material according to a formula. The formulator and the supplier could be the same company. This field may be blank as this information is only reported when the information is not confidential.

In plant assemblies, compounding and mixing: Components of assemblies, materials (formulated or compounded) or ingredients which are manufactured at this facility are included on subsequent

pages of this document.

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