

**WHY DO SO MANY COMPANIES PREFER DSO™ REPLACEMENT PARTS?**

**OUR 3A-1803 CERTIFICATION:**

At DSO™ we make sure that the BUNA, EPDM and FKM (aka Viton®) material used in the manufacturing of our parts are FDA compliant by having them third party tested and certified by 3A SSI. Anybody with a computer can self certify their products by creating documents and claim that the parts they supply are FDA compliant, so to ensure that the parts you use in your plant are safe for food contact simply, Demand a 3A Brand.

**BECAUSE DSO IS A TQM COMPANY:**

DSO™ is a Total Quality Management Company. This means that we operate our organization according to a Quality Plan, a Quality Manual, established Quality Processes and Key Performance Characteristics. We want to make sure that every product leaving our facility is not only competitively priced, but that it also meets the stringent requirements set forth by our customers.

**OUR EXCEPTIONAL LEAD TIMES**

80% of ALL DSO™ orders are shipped within 24 hours after the receipt of your order and less than 4% of orders take more then 5 business days to leave our building.









**OUR QWIK SHIP PROGRAM**

The DSO™ QWIK Ship program guarantees that BUNA Rotor, Stem Seat & Check Ball orders are shipped within 24 hours (on business days) after the receipt of your order.

**OUR FREE GROUND SHIPPING:**

DSO™ offers free ground shipping on Standard Sanitary Gasket, Check Ball, Stem Seat orders which exceed **\$750.00**

**Other DSO™ Replacement Parts**

Valve Stems for Alfa Laval®, Tri-Clover®, SPI® and Waukesha® Valves	
	Rotors for APV® /Crepaco® & Tri-Clover® Pumps
Kits & replacement Parts for Alfa Laval® /Tri-Clover® Valves	
	Kits & Replacement Parts for Fristam® Pumps
Kits & Replacement Parts for Alfa Laval® / Tri-Clover® Pumps	
	Kits & Replacement Parts for SUDMO® Valves
Replacement Parts for APV® /Crepaco® Gaulin® Homogenizers	
	3A,18-03 Certified Sanitary Gaskets and O-rings



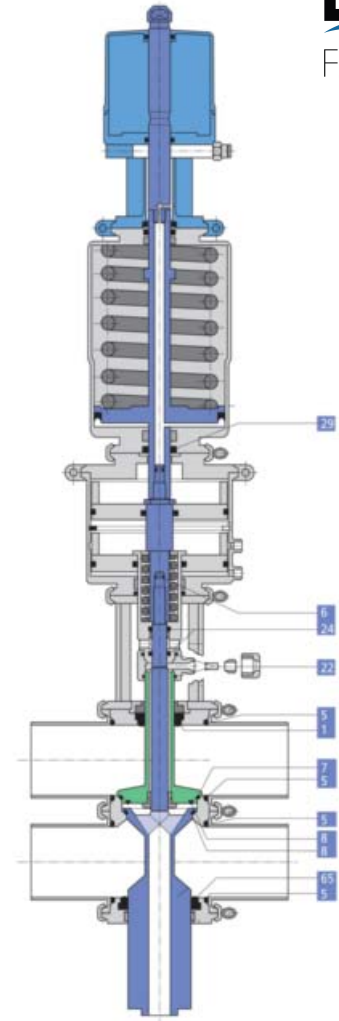
**DSO Fluid Handling Co., Inc**  
 300 McGaw Drive, Suite 2  
 Edison, NJ 08837  
 1-800-527-6867 - 732-225-9101 (fax)  
 sales@dsosfluid.com - www.dsosfluid.com



**Not all replacement parts are created equal  
 Demand a 3A Brand  
 Demand the DSO brand**

DSO™ is not sponsored, does not represent or is affiliated with any of the manufacturer mentioned in this document.

**DSO™ Fluid Handling Co., Inc.**



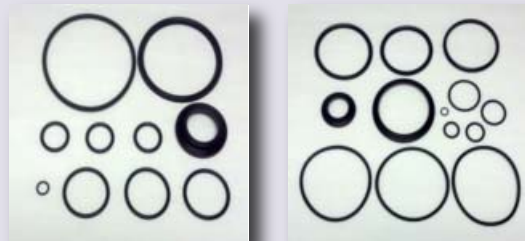
**Replacement Parts For Tuchenhagen® Valves**

**fisa** Distributors Serving Sanitary Processing



DSO™ offers replacement EPDM and FKM O-Rings, V-Rings, Seals and Seal Kits for Tuchenhagen VARIVENT® & ECOVENT® Mixproof, Single Seat, Shut-Off and Change-Over Valves (1.5 - 4 inch).

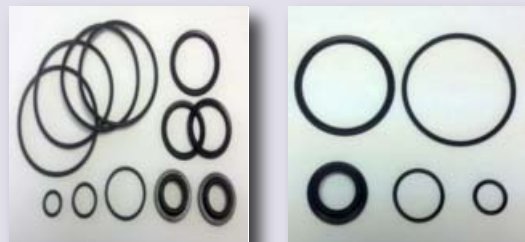
All DSO Kits BUNA, EPDM and FKM/SFY parts are 3A-1803 Certified.



DSO™ aftermarket Seals or Kits are available for the Tuchenhagen®

- VARIVENT® Mixproof Valve, Type B**
- VARIVENT® Mixproof Valve, Type B.C.**
- VARIVENT® Mixproof Valve, Type B.L.**
- VARIVENT® Mixproof Valve, Type D**
- VARIVENT® Mixproof Valve, Type D.C.**
- VARIVENT® Mixproof Valve, Type D.L.**
- VARIVENT® Mixproof Valve, Type K**
- VARIVENT® Mixproof Valve, Type R**
- VARIVENT® Mixproof Valve, Type R.L.**
- VARIVENT® Mixproof Valve, Type M.O.**
- VARIVENT® Mixproof Valve, Type M.N.**
- VARIVENT® Shut-Off Valve, Type N**
- VARIVENT® Mixproof Bottom Valve, Type T**
- VARIVENT® Mixproof Bottom Valve, Type T.L.**
- VARIVENT® Shut-Off Valve, Type U**
- VARIVENT® Shuttle Valve, Type W**
- VARIVENT® Shuttle Valve, Type X**
- VARIVENT® Mixproof Shuttle Valve, Type Y**
- ECOVENT® Shuttle Valve, Type W**
- ECOVENT® Shuttle Valve, Type W.S.**
- ECOVENT® Shut-Off Valve, Type N**
- ECOVENT® Shut-Off Valve, Type N.S.**

And MANY more...



**Please check out our the list of 3A certified parts for Tuchenhagen Valves available for immediate shipment at prices far below OEM**

Below is a selection of the parts we stock:

**SERVICE KITS:**

- 221-001025 SER KIT - Type-DC DN50 EPDM
- 221-001026 SER KIT - Type-DC DN80 EPDM
- 221-001027 SER KIT - Type-DC DN100 EPDM
- 221-001037 SER KIT - Type-DC DN50 FKM
- 221-001038 SER KIT - Type-DC DN80 FKM
- 221-001039 SER KIT - Type-DC DN100 FKM
- 221-001168 SER KIT - Type-LS DN40-50 EPDM
- 221-001169 SER KIT - Type-LS DN40-50 FKM
- 221-001170 SER KIT - Type-LS DN65-80 EPDM
- 221-001171 SER KIT - Type-LS DN65-80 FKM
- 221-001172 SER KIT - Type-LS DN100 EPDM
- 221-001173 SER KIT - Type-LS DN100 FKM
- 221-001184 SER KIT - Type-L-HL DN40-50 EP
- 221-001185 SER KIT - Type-L-HL DN40-50 FK
- 221-001186 SER KIT - Type-L-HL DN65-80 EP
- 221-001187 SER KIT - Type-L-HL DN65-80 FK
- 221-001188 SER KIT - Type-L-HL DN100 EPDM
- 221-001189 SER KIT - Type-L-HL DN100 FKM
- 221-001315 SER KIT - Type-N 1.5-2 EPDM
- 221-001316 SER KIT - Type-N 2.5-3 EPDM
- 221-001317 SER KIT - Type-N 4 EPDM
- 221-001319 SER KIT - Type-N 1.5-2 FKM
- 221-001320 SER KIT - Type-N 2.5-3 FKM
- 221-001321 SER KIT - Type-N 4 FKM
- 221-001327 SER KIT - Type-W/ECO 1.5-2 EPD
- 221-001328 SER KIT - Type-W/ECO 2.5-3 EPD
- 221-001329 SER KIT - Type-W/ECO 4 EPDM
- 221-001331 SER KIT - Type-W/ECO 1.5-2 FKM
- 221-001332 SER KIT - Type-W/ECO 2.5-3 FKM
- 221-001333 SER KIT - Type-W/ECO 4 FKM
- 221-001687 SER KIT - Type-R 4 EPDM
- 221-001688 SER KIT - Type-R 4 FKM
- 221-001693 SER KIT - Type-R 2.5-3 EPDM
- 221-001695 SER KIT - Type-R 2.5-3 FKM
- 221-304.02 SER KIT - Type-N-U 1.5-2 EPDM
- 221-304.03 SER KIT - Type-N-U 2.5-3 EPDM
- 221-304.04 SER KIT - Type-N-U 4 EPDM
- 221-304.08 SER KIT - Type-D 3 EPDM
- 221-304.09 SER KIT - Type-D 4 EPDM
- 221-304.13 SER KIT - Type-K 1.5-2 EPDM
- 221-304.14 SER KIT - Type-K 2.5-3 EPDM
- 221-304.15 SER KIT - Type-K 4 EPDM
- 221-304.19 SER KIT - Type-W 1.5-2 EPDM
- 221-304.20 SER KIT - Type-W 2.5-3 EPDM
- 221-304.21 SER KIT - Type-W 4 EPDM
- 221-304.25 SER KIT - Type-X 1.5-2 EPDM
- 221-304.26 SER KIT - Type-X 2.5-3 EPDM
- 221-304.27 SER KIT - Type-X 4 EPDM
- 221-304.30 SER KIT - Type-Y 1.5-2 EPDM
- 221-304.31 SER KIT - Type-Y 1.5-2 FKM
- 221-304.32 SER KIT - Type-Y 2.5-3 EPDM
- 221-304.41 SER KIT - Type-Q 2.5-3 VITON
- 221-304.94 SER KIT - Type-NS 1.5-2 EPDM
- 221-304.95 SER KIT - Type-NS 1.5-2 FKM
- 221-304.96 SER KIT - Type-NS 2.5-3 EPDM
- 221-304.97 SER KIT - Type-NS 2.5-3 FKM
- 221-304.98 SER KIT - Type-NS 4 EPDM
- 221-304.99 SER KIT - Type-NS 4 FKM
- 221-304-07 SER KIT - Type-D 2 EPDM
- 221-489.03 SER KIT - Type-WS 1.5-2 EPDM
- 221-489.04 SER KIT - Type-WS 1.5-2 FKM
- 221-489.05 SER KIT - Type-WS 2.5-3 EPDM
- 221-489.06 SER KIT - Type-WS 2.5-3 FKM
- 221-489.07 SER KIT - Type-WS 4 EPDM
- 221-489.08 SER KIT - Type-WS 4 FKM
- 221-511.27 SER KIT - Type-DL 1.5-2 EPDM
- 221-511.28 SER KIT - Type-DL 2.5-3 EPDM
- 221-511.29 SER KIT - Type-DL 4 EPDM
- 221-511.32 SER KIT - Type-R 1.5-2 EPDM
- 221-511.37 SER KIT - Type-B 2 EPDM

- 221-511.38 SER KIT - Type-B 2.5 EPDM
- 221-511.39 SER KIT - Type-B 4 EPDM
- 221-511.42 SER KIT - Type-D 2 EPDM
- 221-511.43 SER KIT - Type-BC 2.5 FKM
- 221-511.44 SER KIT - Type-BC 3 EPDM
- 221-511.47 SER KIT - Type-T 1.5-2 FKM
- 221-511.48 SER KIT - Type-T 2.5-3 FKM
- 221-511.49 SER KIT - Type-T 1.5-2 EPDM
- 221-511.50 SER KIT - Type-TL 1.5-2 EPDM
- 221-511.51 SER KIT - Type-TL 1.5-2 FKM
- 221-511.52 SER KIT - Type-TL 2.5-3 EPDM
- 221-511.81 SER KIT - Type-N-U 1.5-2 FKM
- 221-511.82 SER KIT - Type-N-U 2.5-3 FKM
- 221-511.83 SER KIT - Type-N-U 4 FKM
- 221-511.88 SER KIT - Type-W 1.5-2 FKM
- 221-511.89 SER KIT - Type-W 2.5-3 FKM
- 221-511.90 SER KIT - Type-W 4 FKM
- 221-511.94 SER KIT - Type-X 1.5-2 FKM
- 221-511.95 SER KIT - Type-X 2.5-3 FKM
- 221-511.96 SER KIT - Type-X 4 FKM
- 221-519.01 SER KIT - Type-D 2.5 FKM
- 221-519.02 SER KIT - Type-D 3 FKM
- 221-519.03 SER KIT - Type-D 4 FKM
- 221-519.06 SER KIT - Type-DL 1.5-2 FKM
- 221-519.07 SER KIT - Type-DL 2.5-3 FKM
- 221-519.08 SER KIT - Type-DL 4 FKM
- 221-519.11 SER KIT - Type-R 1.5-2 FKM
- 221-519.16 SER KIT - Type-B 2 FKM
- 221-519.17 SER KIT - Type-B 2.5 FKM
- 221-519.18 SER KIT - Type-B 4 FKM
- 221-519.21 SER KIT - Type-BC 2 FKM
- 221-519.22 SER KIT - Type-BC 2 1/2 FKM
- 221-519.23 SER KIT - Type-BC 4 FKM
- 221-519.26 SER KIT - Type-T 2.5-3 EPDM
- 221-519.27 SER KIT - Type-T 4 EPDM
- 221-519.28 SER KIT - Type-T 4 FKM
- 221-519.29 SER KIT - Type-TL 2.5-3 FKM
- 221-519.30 SER KIT - Type-TL 4 EPDM
- 221-519.31 SER KIT - Type-TL 4 FKM
- 221-519.33 SER KIT - Type-K 1.5-2 FKM
- 221-519.34 SER KIT - Type-K 2.5-3 FKM
- 221-519.35 SER KIT - Type-K 4 FKM
- 221-519.39 SER KIT - Type-Y 2.5-3 FKM
- 221-519.40 SER KIT - Type-Y 4 EPDM
- 221-519.41 SER KIT - Type-Y 4 FKM
- 221-519.60 SER KIT - Type-D 1 FKM
- 221-519.87 SER KIT - Type-BC 2 EPDM
- 221-519.88 SER KIT - Type-BC 3 EPDM
- 221-519.89 SER KIT - Type-BC 4 EPDM
- 221-528.19 SER KIT - Type-RL 1.5-2 EPDM
- 221-528.20 SER KIT - Type-RL 2.5-3 EPDM
- 221-528.21 SER KIT - Type-RL 4 EPDM
- 221-528.24 SER KIT - Type-RL 1.5-2 FKM
- 221-528.25 SER KIT - Type-RL 2.5-3 FKM
- 221-528.26 SER KIT - Type-RL 4 FKM

**SEAL RINGS:**

- 924-082 Seal Ring - FKM
- 924-083 Seal Ring - FKM
- 924-084 Seal Ring - EPDM
- 924-085 Seal Ring - EPDM
- 924-087 Seal Ring - FKM
- 924-088 Seal Ring - EPDM
- 924-254 Seal Ring - EPDM
- 924-262 Seal Ring - EPDM
- 924-296 Seal Ring - EPDM
- 924-298 Seal Ring - EPDM
- 924-305 Seal Ring - EPDM
- 924-307 Seal Ring - FKM
- 924-308 Seal Ring - FKM
- 924-309 Seal Ring - FKM
- 924-310 Seal Ring - FKM
- 924-319 Seal Ring - FKM

**O-RINGS:**

- 930-004 O-Ring - BUNA
- 930-007 O-Ring - BUNA
- 930-026 O-Ring - BUNA
- 930-029 O-Ring - BUNA
- 930-035 O-Ring - BUNA
- 930-046 O-Ring - BUNA
- 930-144 O-Ring - EPDM
- 930-150 O-Ring - EPDM
- 930-156 O-Ring - EPDM
- 930-162 O-Ring - FKM
- 930-163 O-Ring - FKM
- 930-164 O-Ring - FKM
- 930-165 O-Ring - FKM
- 930-166 O-Ring - FKM
- 930-168 O-Ring - FKM
- 930-171 O-Ring - FKM
- 930-176 O-Ring - FKM
- 930-178 O-Ring - FKM
- 930-235 O-Ring - EPDM
- 930-243 O-Ring - EPDM
- 930-244 O-Ring - FKM
- 930-246 O-Ring - EPDM
- 930-247 O-Ring - FKM
- 930-252 O-Ring - EPDM
- 930-259 O-Ring - FKM
- 930-260 O-Ring - EPDM
- 930-265 O-Ring - FKM
- 930-266 O-Ring - EPDM
- 930-268 O-Ring - EPDM
- 930-269 O-Ring - FKM
- 930-270 O-Ring - EPDM
- 930-276 O-Ring - EPDM
- 930-277 O-Ring - FKM
- 930-299 O-Ring - FKM
- 930-309 O-Ring - EPDM
- 930-311 O-Ring - EPDM
- 930-312 O-Ring - EPDM
- 930-335 O-Ring - FKM
- 930-350 O-Ring - EPDM
- 930-356 O-Ring - EPDM
- 930-357 O-Ring - FKM
- 930-364 O-Ring - EPDM
- 930-368 O-Ring - EPDM
- 930-372 O-Ring - EPDM
- 930-409 O-Ring - FKM
- 930-512 O-Ring - FKM
- 930-525 O-Ring - EPDM
- 930-616 O-Ring - FKM

**V-RINGS**

- 221-365.07 V-Ring - R - EPDM
- 221-365.08 V-Ring - R - EPDM
- 221-365.09 V-Ring - R - EPDM
- 221-365.10 V-Ring - R FKM
- 221-365.11 V-Ring - R FKM
- 221-365.12 V-Ring - R FKM
- 932-019 V-Ring - EPDM
- 932-021 V-Ring - EPDM
- 932-023 V-Ring - EPDM
- 932-024 V-Ring - EPDM
- 932-027 V-Ring - EPDM
- 932-028 V-Ring - EPDM
- 932-032 V-Ring - FKM
- 932-033 V-Ring - FKM
- 932-034 V-Ring - EPDM
- 932-035 V-Ring - FKM
- 932-038 V-Ring - FKM
- 932-039 V-Ring - FKM
- 932-059 V-Ring - EPDM
- 932-060 V-Ring - EPDM
- 932-062 V-Ring - FKM
- 932-063 V-Ring - FKM