



TOP-FLO® K45MP 3A Sanitary Check Valves



Stainless Steel Flow Control Equipment for the
Food, Beverage, Dairy, Cosmetics, Pharmaceutical,
Biotechnology, and Electronics Processing Industries

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TOP-FLO® K45MP 3A Sanitary Check Valves

The sanitary K45MP series disc type check valve is 3A certified, and is fully constructed of 316/316L materials for increased chemical resistance. Simple construction using a standard body clamp allows for easy inspection and maintenance. The K45MP can be used in both vertical and horizontal applications.



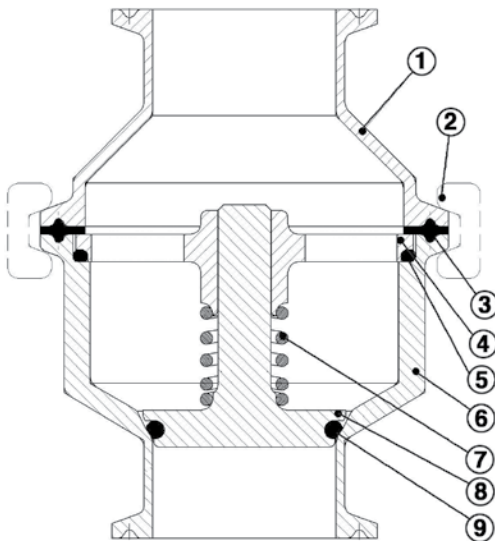
Features:

- 3A Certified
- Suitable for CIP fluids

Specifications:

- End Connections
Clamp
Weld
Others upon request
- Surface Finish
ID: 25-30Ra
OD: 32Ra
- Seal Material
FDA FKM
- Maximum Operating Pressure
150 PSIG
- Operating Temperature
30° F Min.
225° F Max.

Materials List

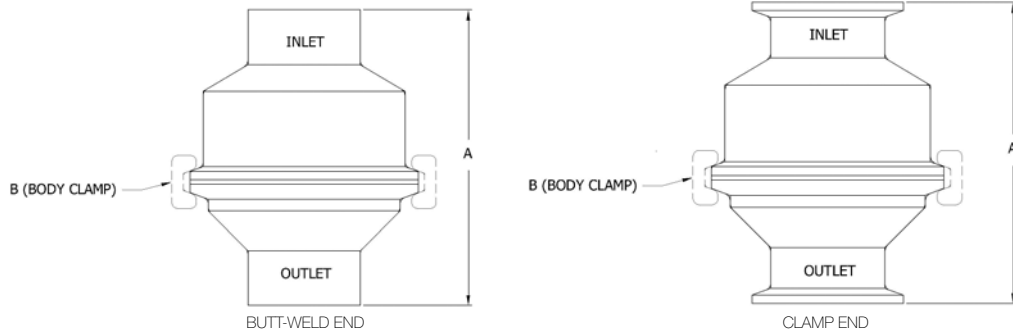


| ITEM # | COMPONENT | MATERIAL | PART # |
|--------|----------------|----------|----------------|
| 1 | OUTLET BODY | 316L | N/A |
| 2 | BODY CLAMP | 304 | 3299915 |
| 3 | BODY GASKET* | FDA FKM | RKK15VA |
| 4 | SPIDER | 316L | 38KSPIDER-15 |
| 5 | SPIDER O-RING* | FDA FKM | RKK15VA |
| 6 | INLET BODY | 316L | N/A |
| 7 | SPRING | 316L | 38KSPRING-5015 |
| 8 | DISC | 316L | 38KDISC-15 |
| 9 | DISC O-RING* | FDA FKM | RKK15VA |

* ITEMS ARE COMPONENTS OF ELASTOMER KIT
(ITEMS NOT SOLD SEPARATELY)

NOTE: THE ABOVE PART NUMBERS ARE FOR 1-1/2"
SIZES AVAILABLE 1/2" - 6"

Dimensional Specifications



| VALVE SIZE | A | | B | ELASTOMER SEAL KITS |
|------------|-------|-----------|------------|---------------------|
| | CLAMP | BUTT-WELD | BODY CLAMP | FKM SEAL KIT # |
| 1/2 | 3.92 | 3.92 | 1.5 | RKK05VA |
| 3/4 | 3.76 | 3.76 | 1.5 | RKK07VA |
| 1 | 3.37 | 3.37 | 2.5 | RKK10VA |
| 1-1/2 | 3.96 | 3.96 | 2.5 | RKK15VA |
| 2 | 3.96 | 3.96 | 3 | RKK20VA |
| 2-1/2 | 3.96 | 3.96 | 4 | RKK25VA |
| 3 | 3.96 | 3.96 | 4.5 | RKK30VA |
| 4 | 5.93 | 5.93 | 6 | RKK40VA |
| 6 | 8.50 | 8.50 | 10 | RKK60VA |

Flow Characteristics

| VALVE SIZE | CV | KV |
|------------|--------|-----|
| 1/2 | 10.44 | 9 |
| 3/4 | 17.40 | 15 |
| 1 | 25.52 | 22 |
| 1-1/2 | 49.88 | 43 |
| 2 | 81.20 | 70 |
| 2-1/2 | 111.36 | 96 |
| 3 | 241.60 | 185 |
| 4 | 336.40 | 290 |
| 6 | CF | CF |

Ordering Information

| MATERIAL & END CONNECTIONS | | SERIES | | VALVE SIZE | | SEAL MATERIALS | | CONSTRUCTION | |
|----------------------------|----------------------------|--------|-------|------------|-------|----------------|--------------|--------------|---------------------------------|
| 38 | 316L MATERIAL - CLAMP ENDS | K45 | K45MP | 05 | 1/2 | V | 3A & FDA FKM | A | CONCENTRIC TYPE - STANDARD DISC |
| 39 | 316L MATERIAL - WELD ENDS | | | 07 | 3/4 | | | E | ECCENTRIC TYPE - STANDARD DISC |
| | | | | 10 | 1 | | | | |
| | | | | 15 | 1-1/2 | | | | |
| | | | | 20 | 2 | | | | |
| | | | | 25 | 2-1/2 | | | | |
| | | | | 30 | 3 | | | | |
| | | | | 40 | 4 | | | | |
| | | | | 60 | 6 | | | | |

Note: For pharmaceutical and biotech applications, please see literature for high purity check valves.



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all your product needs
in the process industries

Contact your Top Line Representative for Assistance

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Top Line has been supplying high quality stainless steel products to the dairy, food, beverage, pharmaceutical and other process industries for 50 years. Our commitment to fine craftsmanship, responsible service and realistic pricing has led to our company's successive years of growth.

Top Line specializes in stainless steel materials – Type 304 and 316L. Our modern, well equipped manufacturing facilities are staffed by skilled and dedicated craftsmen. Consistently meeting important tolerances and finish specifications is of primary concern to us. Before any products leave our plant they are subjected to rigid quality assurance checks.

Top Line should always be considered your first choice for both standard and custom fabricated stainless steel products.

Limited Warranty

Top Line Process Equipment Company products are warranted to be free of defects in material or workmanship for a period of one year from date of shipment. Warranty covers those Top Line products used in an approved installation and maintained in strict accordance with recognized standard industry practice. If, after properly authorized return, Top Line determines that products are defective, Top Line may at its option, repair or replace such defective products.

Top Line shall not be liable for consequential, indirect or incidental damages. The above warranty is in lieu of all other warranties, expressed or implied.