



M&S butterfly valves type SV04 are hygienic shut-off devices used in the food, beverage, cosmetic, chemical and pharmaceutical industries.

A completely new, patent-pending gasket concept made of PTFE defines new standards in terms of reliability, performance and durability. This innovation meets all hygienic design criteria and exceeds the previous application limits of conventional elastomer gaskets. Whether there are pharmaceutical applications, complex chemical processes or extreme temperatures; this new concept meets the high requirements.

The optimal sliding properties of the PTFE seal minimise wear and extend the service life of the seal. In addition, the seal material prevents deposits and sticking, which significantly reduces cleaning and maintenance efforts and operating downtimes compared to conventional elastomer gaskets.

Product family type SV04



Usage

Features

Versions

- Shutting off liquid, viscous and powdery media in pipelines, apparatus and on tanks / vessels;
- Mainly in hygienic processes which, in addition to an increased temperature application range; also require a very high resistance to aggressive chemicals and solvents;
- Also to control the flow volume in connection with a positioner;
- To deflect media flows by means of distributor combinations (T-SV);
- Design as leakage butterfly valve for safe media separation (e.g. to separate product from cleaning media).

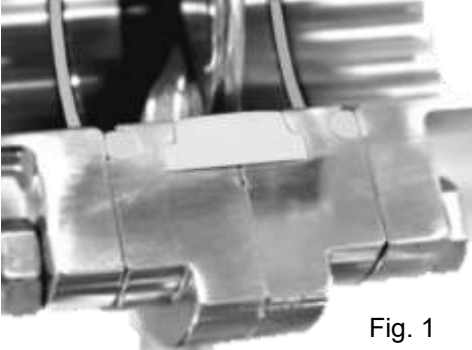
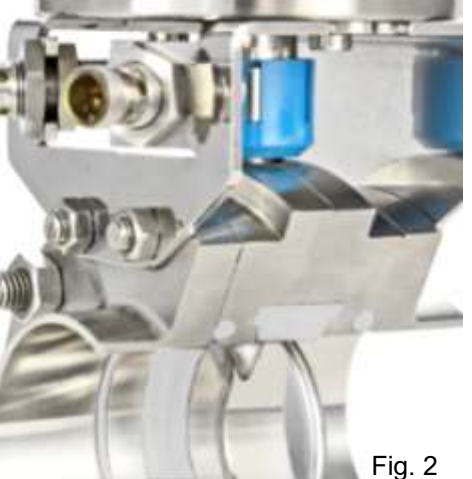
Usage

Features

Versions

- Hygienic design;
- Very easy to clean and sterilize as well as durable, robust, reliable and safe to operate;
- Very high chemical and thermal resistance of the gasket material;
- Housing parts and flaps in principle made of forged primary material;
- Marking of heat number, manufacturer and material;
- Conversion of existing valves possible by replacing the butterfly valve with PTFE seal;
- Replacement seals can be fitted by the user;
- Modular system (see page 3).

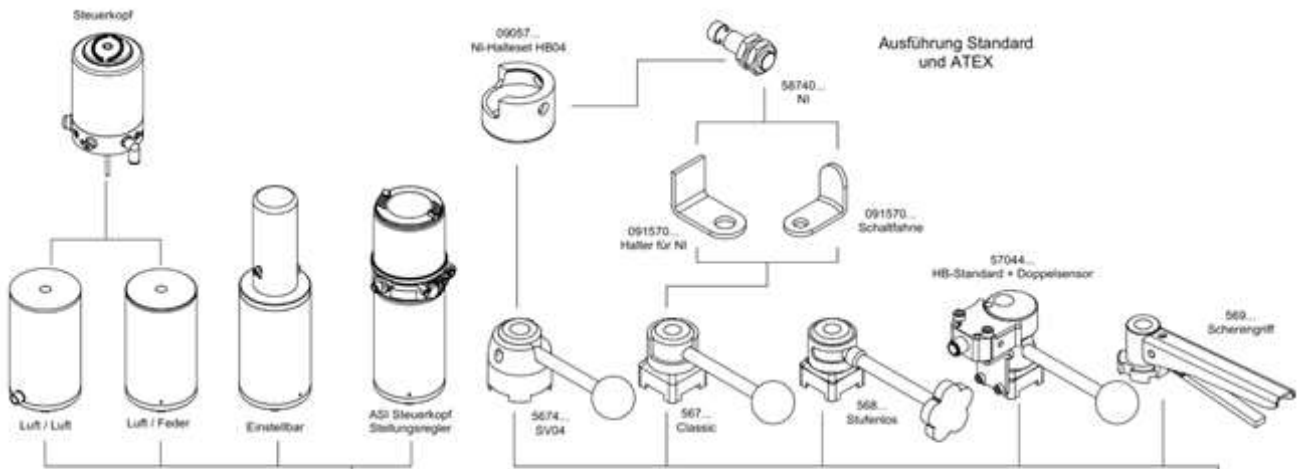


Usage	Features	Versions
<p>Special features:</p> <p>General</p> <ul style="list-style-type: none">• Optimised sealing technology<ul style="list-style-type: none">* to increase service life by:<ul style="list-style-type: none">◆ Reduction the walking force in the closing area;* for safe gasket seat in vacuum conditions or high flow speed thanks to T-geometry (fig. 1).• Assembly-friendly/handling<ul style="list-style-type: none">* Simple adaption of the pneumatic actuators due to separate attachment holes;* Easy assembly of the proximity switches by prepare receptacles (fig. 2).• Optionally 16 bar on housing stability (up to DN 100);• ATEX version optional. <p>Intermediate flange design (ZF):</p> <ul style="list-style-type: none">• Improved hygienic properties by<ul style="list-style-type: none">* sealing and centring the housing following DIN11864;* Compact installation dimensions;* Flush closed outer contour (fig. 1).		 <p>Fig. 1</p>  <p>Fig. 2</p>

Usage	Features	Versions
	<ul style="list-style-type: none">• Sizes<ul style="list-style-type: none">* DN 15 - DN 150.• Process connections<ul style="list-style-type: none">* Welding ends;* Connecting elements from the M&S portfolio.• Operation<ul style="list-style-type: none">* Hand, pneumatic or electrical.• Automation<ul style="list-style-type: none">* Different control heads (FIELD BUS systems) or position controllers.• Operating pressure<ul style="list-style-type: none">* 10 bar (DN 15 - DN 150);* Optionally 16 bar on housing stability.• Materials<ul style="list-style-type: none">* Housing: 1.4301/AISI 304, 1.4404/AISI 316L, other stainless steels, titanium or hastelloy;* Gaskets: modified PTFE (FDA compliant).• Surfaces<ul style="list-style-type: none">* In contact with product $Ra \leq 0.8 \mu\text{m}$;* Not in contact with product $Ra \leq 1.6 \mu\text{m}$.• Operating temperature<ul style="list-style-type: none">* Media- and process-dependent.• Also available as ATEX version.	



Usage Features Versions



Typ Classic

Typ SV04

