

PRODUCT SHEET

Flexitank valves : Serie 2097-75 and 2097-77:

These series of valves have been designed to be adapted onto the various containers in the market for the transportation of Non-hazardous food or chemical liquid products, by road, railroad or by sea.

The aim is to provide storage containers such as flexitanks with a sealed valve which allows both filling and discharge of appropriate media.

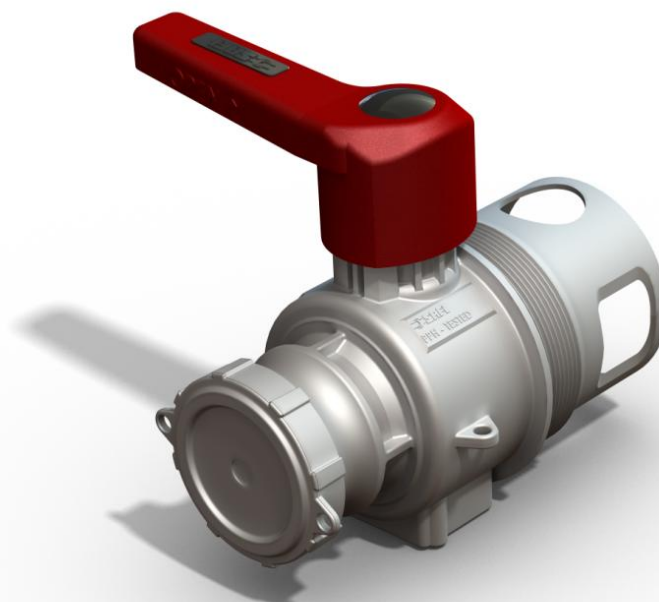
The utilisation of food grade EPDM gaskets is in compliance with the hygiene standards prevailing in this sector.

Characteristics of the Series 2097-75/77 valves:

- Economical solution
- Intended to be used on disposable single trip flexitanks for containers.

Related technical sheets:

2097D;
2097DR.



Flexitank valve quality assure with foodgrade approval

Trust SAFI Valves : SAFI is the provider of the major companies in chemical and hazardous applications since 1963

2" and 3" Flexitank valves are :

ROBUST

Thanks to its specific MONOBLOCK design, it has proven to be one of the strongest valves available it has proven to be one of the strongest valves available ensuring reliable and safe coupling.

SAFETY

The lockable handle is a time proven reliable solution to ensure the valve has a positive closed position and cannot be accidently opened
A double barrier system means the cap gives a secondary sealing

COMPACT

The valve length is < 110mm

RELIABLE

Every valve is 100% tested at our manufacturing facility in UK using fully calibrated equipment.

FAST

With its UNIQUE offset butterfly disc it gives fast loading/discharge times.

ANTICORROSIVE

100% plastic material no metal part

Food grade standard:

FDA §177 of the CFR21: Code of Federal Regulations Part 177 Indirect Food Additives: Polymers.

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Dimensional compliance with the Standards

NF EN 14420-7 May 2005 / MIL-C-27 487: Hose

fittings with clamp units; cam locking couplings.

ISO 7268 May 1983: Pipe components –

NF E 03-005 December 1981 / NF EN ISO 228:

Definition of nominal pressure

Pipe threads where pressure-tight joints are not made on the threads.

Operating conditions: Technical features

The following table gives the technical characteristics of the various series of SAFI flexitank valves. A series of additional information complementing the table is written thereafter.

CHARACTERISTICS	DESCRIPTION	SERIES 2097-77	UNITS	CORRESPONDING STANDARDS
OUTLET COUPLING	<i>Accepted fluid temperature range</i>	-10 to + 35	°C	NA*
	<i>Maximum pressure with a fluid at 23°C</i>	1	Bars	NA*
	<i>Maximum pressure with a fluid at 50°C</i>	0.5	Bars	NA*
VALVE CHARACTERISTICS	<i>Working pressure</i>	0.1 to 2	Bars	NA*
	<i>Chemical resistance</i>	Contact SAFI **		NA*
	<i>Internal pressure strength at 23°C</i>	PN3		ISO 7268
	<i>Sealing class at 0.5 bar</i>	B		Test as per standard ISO 5208
	<i>Sealing class at 1 bar</i>	B		
	<i>Operating temperature range</i>	-10 to + 60	°C	NA*
	<i>Maximum flow rate</i>	100	m ³ /hr	
<i>100% opening, water at 3 bars and 23°C</i>	1665	l/min		

Note *: NA: *Not applicable*. **Note **:** contact us

End fitting dimensions and standards

Inlet thread	3" BSP	NF EN ISO 228
Dimension of outlet cam coupling	3"	NF EN 14420-7

Torque strength

Handle torque with no pressure	8 Nm with ± 1 Nm
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