



Sanitary
flow
equipment



Quality
System
Certified
ISO 9001

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VRN-CC-TC Operating & Maintenance instruction

Sanitary Spring Check Valve CC-TC

The sanitary spring check valves VRN-CC-TC is suitable for use in liquid and gas system at the following maximum operating conditions :

Max. working temperature from 0°C to 150°C

Max. working pressure 6 barg @

@ NOTE - pressure rating may exceed that of clamp connections

Installation

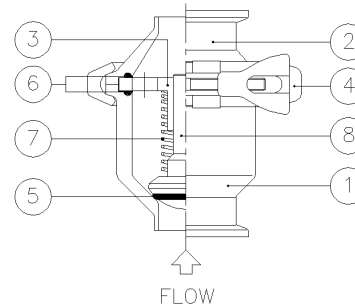
The sanitary spring check valves will operate when installed in any orientation; flow should be toward the face of the seal plate (8) as right illustrated.

Maintenance

The sanitary spring check valves can be easily and quickly dismantled and reassembled without tools for cleaning or maintenance. Replacement body and seat seals are available as is a complete internals assembly.

Disassembly / assembly instructions are as follows :

1. Firstly intercept the service fluid and ensuring any residual system pressure has been relieved, then remove complete valve from line.
2. Loosen and remove the central body clamp.
3. Remove all internal components, checking for signs or wear or damage.
4. Fit new body and seat seals (5 & 6) if necessary.
5. When reassembling the internal components, ensure that the stem guide plate (3) is correctly positioned.
6. Re-fit internals into inlet valve body (1) and marry with outlet body (2).
Re-fit and tighten clamp as appropriate .
7. Restore service fluid, the valve can be work again.



Parts list :

1	inlet valve body	AISI 316L
2	outlet valve body	AISI 316L
3	stem guide plate	AISI 316L
4	clamp assembly	AISI 304
5	seat seal	Silicone
6	body seal (2 off)	Silicone
7	spring	AISI316L
8	seal plate	AISI 316L

Caution : When welding valves in-line care should be taken to protect internal seals.
We recommended that valves are disassembled prior to welding.

Spare parts table

Kit code	inch	DN	Body seal (2 off)	Seat seal	Spring
KIT VRN-CC-TC1/2"	½"	15	o-ring 3131	o-ring 119	M29C-DE13x0,8-L30-6
KIT VRN-CC-TC3/4"	¾"	20	o-ring 3131	o-ring 119	M29C-DE13x0,8-L30-7
KIT VRN-CC-TC1"	1"	25	o-ring 3175	o-ring 123	M1C-DE20x1,2-L48
KIT VRN-CC-TC1" 1/2	1" ½	40	o-ring 3231	o-ring 4112	M1C-DE20x1,2-L48
KIT VRN-CC-TC2"	2"	50	o-ring 3281	o-ring 4143	M2C-DE20x1,3-L53
KIT VRN-CC-TC2" 1/2	2" ½	65	o-ring 4387	o-ring 4187	M2C-DE20x1,3-L53
KIT VRN-CC-TC3"	3"	80	o-ring 4387	o-ring 162	M2C-DE20x1,3-L53
KIT VRN-CC-TC4"	4"	100	Not available		

Available spares

Standard spare parts kit including all seals in silicone, body seals (6) 2 off & seat seal (5)

Different o-ring material as EPDM, Viton, FEP-Silicone available on specific request

The spring (not included in the standard spare parts kit) available on specific request

In the interests of development and improvement of the product, we reserve the right to change the specifications without prior notice.