

OVERVIEW

The Rite® Series SA4A check valve accessory with external backflush lever is designed to allow manual operation in applications requiring backflush process.

SPECIFICATIONS

Size Range	NPS 2" to 12"
	50mm to 300mm
Temperature Range	Pending Materials Selected
Operating Pressure	Pending Pressure Class Selected
Body Style	One-Piece Flanged or Wafer Body
Compatibility	Bray 205, 210, or 211 or PVC Series
Leakage Rate	API 598

APPLICATIONS

- > Backflushing Pipelines
- > Power Generation

MEDIA

- > Dry Chlorine (Gas or Liquid)
- > Gases
- > Hydrogen
- > Oxygen
- > Water

Add PVC N
this

DESIGN FEATURES

The Rite® Series SA4A check valve accessory offers single door check valve design modification to alter flow conditions:

APPLICATION:

The purpose of equipping a standard Rite® Series Single Door Wafer or Flanged Type Swing Check Valve with an external backflush lever is to allow external control of backflush process. Used in applications such as: pipelines for chemical washes in the food and beverage industry.

GENERAL DESCRIPTION:

The model SA4A is a standard Rite® Series Single Door Swing Check Valve that has been converted, featuring a positive hexagon drive at the disc/hinge/shaft connection. The shaft extends through and is supported by the body at one end, by a bushing in the body, and by a ball bearing designed to reduce friction mounted in a bracket on the opposing side. O-rings seal the shaft, seal bushing and the body to prevent leakage. The lever is mounted onto the shaft with a hexagonal connection to manually open or close the valve.

Figure 01: SA4A Rear View Closed (Right Hand Mount Displayed and Provided As Standard).

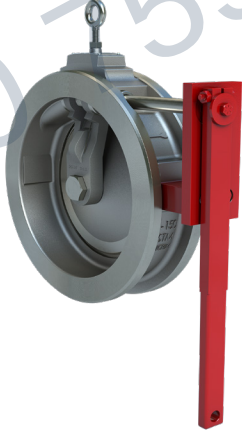


Figure 02: SA4A Rear View Open.



RITE® SPECIAL APPLICATION SERIES SA4A
EXTERNAL BACKFLUSH LEVER
CHECK VALVE ACCESSORY



For body/trim materials user must first refer to and select the appropriate model from the foundation unit Sales Data Sheets.

Series 205	Integral Hard Seat (IHS)
	Seat Ring Hard Seat (SRHS)
	Integral Soft Seat (ISS)
	Seat Ring Soft Seat (SRSS)
Series 210	Integral Hard Seat (IHS)
	Seat Ring Hard Seat (SRHS)
	Integral Soft Seat (ISS)
	Seat Ring Soft Seat (SRSS)
Series 211	Integral Hard Seat (IHS)
	Seat Ring Hard Seat (SRHS)
	Integral Soft Seat (ISS)
	Seat Ring Soft Seat (SRSS)
PVC	Integral Soft Seat (ISS)

MATERIAL OPTIONS¹

Seal Bushing	Stainless Steel (ASTM A479 316)
	BUNA-N, EPDM, FKM-A, HNBR, Neoprene
Seal O-Rings (x4)	PTFE-virgin, Teflon encapsulated silicone, Viton
Lever	Steel
Retaining Plate	Steel
Bracket	Steel
Socket Head Screws (x3)	Steel Zinc Plated
Dowel Pins (x2)	Steel Zinc Plated
Ball Bearing	Steel
Round Head Screw	Steel Zinc Plated
Hex Bolt	Steel
Hex Nut	Steel

Note: ¹ Dimensions available in ASME and DIN sizes.
All external components can be offered in SS where required.
* Previous Models before July 2024 may have included slightly different material configurations/parts callout lists.

Rite® Series Check Valve Integral Hard Seat type part number: V0215XBZ205**SA4A** (For 2", Class 150, Stainless Steel (ASTM A351 CF8M) Body, BUNA-N O-Ring, SS Spacer, Series 205, **Special Application Series SA4A**).

Figure 03: SA4A Exploded View.

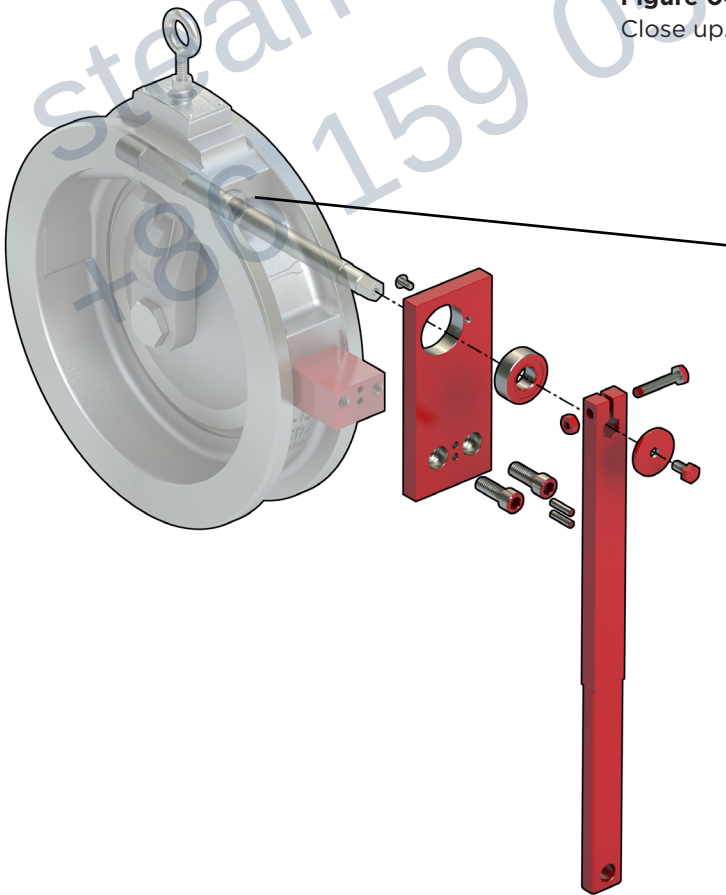


Figure 04: Seal Bushing & O-Ring Close up.