

OVERVIEW

The Rite® Series SA4 check valve accessory with external position indicator is designed to indicate degree of open/close in applications requiring visual indication of disc position.

SPECIFICATIONS

Size Range	NPS 2" to 60"
	50mm to 1500mm
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 Series
Leakage Rate	API 598

APPLICATIONS

- > Water
- > Where Disc Position Is Required

MEDIA

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

DESIGN FEATURES

The Rite® Series SA4 check valve accessory offers single door check valve design modification to alter indication conditions:

APPLICATION:

The purpose of equipping a standard Rite® Series Single Door Wafer or Flanged Type Swing Check Valve with an external position indicator, is to provide a visual indication of the internal disc position.

GENERAL DESCRIPTION:

The model SA4 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, and by a bushing in the body at the other end. O-rings seal the shaft, seal bushing and the body to prevent leakage. The indicator mounted on the shaft is designed to provide disc position indication.

Figure 01: SA4 Rear View Closed (Right Hand Mount Displayed and Provided As Standard).



Figure 02: SA4 Rear View Open.



RITE® SPECIAL APPLICATION SERIES SA4
EXTERNAL POSITION INDICATOR
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)

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
Indicator	Aluminum
Pin	Steel

Note: ¹Dimensions 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**SA4** (For 2", Class 150, Stainless Steel (ASTM A351 CF8M) Body, BUNA-N O-Ring, SS Spacer, **Foundation Series 205, Special Application Series SA4**).

Figure 03: SA4 Exploded View.

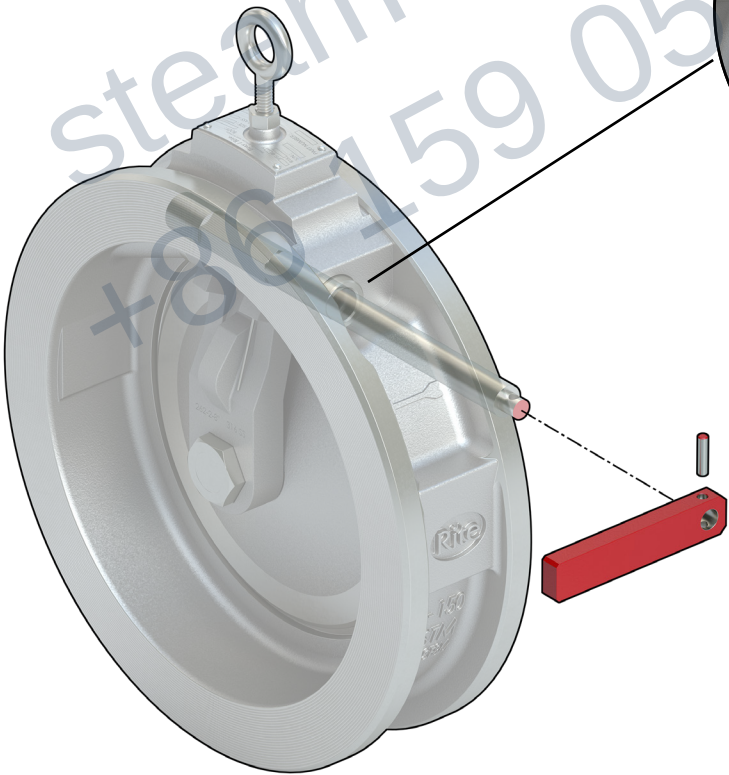


Figure 04: Seal Bushing & O-Ring Close up.

