

MODELS: CV 31F-CI

Body: Cast Iron
Body Seat: Bronze
Disc: Cast Iron
Disc Seat: Buna-N

CV 31WF-CI

Body: Cast Iron
Body Seat: Bronze
Disc: Cast Iron
Disc Seat: Buna-N
Weight & Lever: Cast Iron



SIZES: 2" ~ 12"



FEATURES

◇ PROVEN DESIGN

THE FULL BODY SWING CHECK IS ONE OF THE MOST WELL-KNOWN TYPES OF CHECK VALVES. A PROVEN DESIGN, IT IS IDEAL FOR PREVENTING FLOW REVERSAL WHICH AIDS IN PROTECTING PUMPS, COMPRESSORS, AND DOWNSTREAM TANKS AND VESSELS. THE TITAN CV31F CAN ALSO BE USED TO ISOLATE HIGH PRESSURE SYSTEMS FROM LOW PRESSURE SYSTEMS AND TO PREVENT CONTAMINATION BETWEEN SYSTEMS.

◇ LESSEN WATER HAMMER

THE TITAN CV31F CAN BE EQUIPPED WITH ADJUSTABLE WEIGHTS AND LEVERS TO PREVENT THE DISC FROM OPENING UNTIL A DESIRED PRESSURE IS REACHED. THE WEIGHTS AND LEVERS PROVIDE QUICKER CLOSING AND AID IN THE REDUCTION OF SLAMMING BY KEEPING THE DISC WITHIN THE FLUID FLOW. THE WEIGHTS AND LEVERS PROVIDE THE ADDITIONAL BENEFIT OF VISUALLY DISPLAYING THE POSITION OF THE DISC.

◇ HEAD LOSS

THE TITAN CV31F HAS A PATH THAT IS VIRTUALLY UNOBSTRUCTED AND AIDS IN REDUCING HEAD LOSS.

◇ RESILIENT SOFT SEAT

THE SOFT SEAT (BUNA-N) DISC SEAT COUPLED WITH PRECISION MACHINED SEALING SURFACES HELPS TO ENSURE A DROP-TIGHT SEAL THAT MEETS AWWA C508. THE BUNA-N SEAT PROVIDES EXCELLENT COMPRESSION SET, TEAR, AND ABRASION RESISTANCE. IT IS APPLICABLE FOR MOST WATER, WASTEWATER, AND PETROLEUM APPLICATIONS.

TECHNICAL

PRESSURE/TEMPERATURE RATING

WOG (Non-shock): 200 PSI @ 125 °F

HYDROSTATIC SHELL TEST

2 × WOG for 60 seconds = 400 PSI

SEAT TEST

1 × WOG for 15 seconds applied on downstream side of disc.

1. The above listed temperatures are theoretical and may vary during actual operating conditions.
2. Duration of test is defined by AWWA C508 spec.