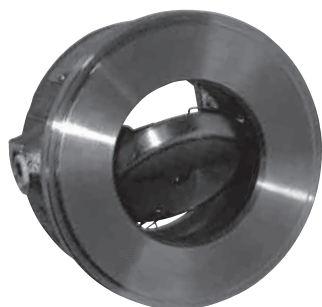


Model: 1607**Carbon Steel Unibody CHEXTER™ Check Valves
Sizes: 2" - 12" (50 - 300mm)****Pressure/Temperature - Non-Shock**

Model	Material	Rating
1607-A	Carbon Steel	3705psi @ 100°F 255 bar @ 38°
1607-A	Carbon Steel	2685psi @ 400°F 185 bar @ 204°C

1607**Class 1500**Model 1607
FrontModel 1607
Open**Typical Services**

- Recommended for use in higher temperature or pressure applications

Features

- Compact design with short face-to-face dimensions for minimum space requirements.
- Unibody style provides full wall thickness throughout.
- Single moving part insures long, trouble-free service life.
- Seal-ring is one piece, easily replaceable in the field.
- Interchangeable parts for ease of maintenance.
- Operates fully at low pressure differential.
- Spring returns disc to fully closed position prior to reverse flow, minimizing water hammer.
- Disc is counter-weighted, utilizing gravity to additionally insure closure.
- Soft seal is located out of the flow path to reduce erosion effects.
- High Cv values due to aerodynamic disc shape and near full port opening.
 - Superior to other check valve designs, similar to Butterfly valves

Construction

- Robust unibody valve is wafer style, featuring compact face-to-face dimensions to fit in small spaces.
- Designed to fit within ANSI bolt circles.
- Metal-to-metal seats only
- Disc rotates on the hinge pin, creating very low pivot friction, so little wear in operation.
- Can be supplied in Stainless Steel or Alloy Steel materials, consult factory.

Installation

- Can be installed horizontally or vertically.
 - Consult factory for downward vertical flow applications.
 - In horizontal applications, valve should be installed top up, with shaft aligned horizontally with the top up (hinge pin plugs are above the pipe centerline)
- Good piping practice recommends installing a distance of 5 to 10 pipe diameters from elbows, pumps, or others turbulence-creating devices.
- Mueller Steam Specialty strongly recommends the installation of a strainer ahead of the pump to ensure protection of both the pump and the valve from foreign particles.

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Materials

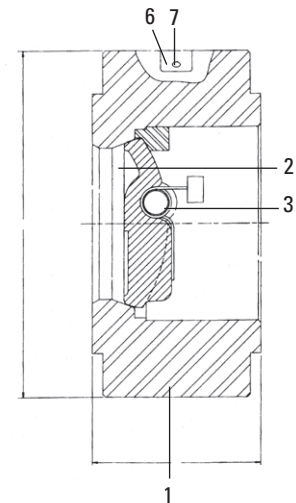
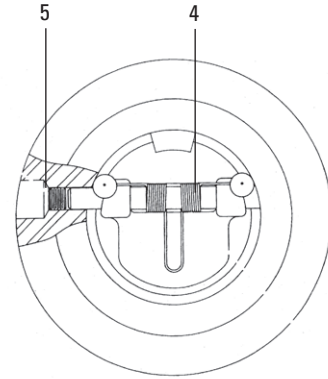
- See Information section of the CHEXTER™ Check section of the Mueller Steam Specialty Engineering binder for standard materials
- See Information section of the CHEXTER™ Check section of the Mueller Steam Specialty Engineering binder for How to Order instructions.

Dimensions

Raised Face and Ring Type Joint Styles

1500 Class RF & RTJ Valve Dimensions

LINE SIZE		DIMENSIONS				
		OVERALL FACE TO FACE D		C DIAMETER & RING NO.		
in.	mm	in.	mm	600/900 CLASS		RING NO.
				in.	mm	in.
2	50	2¾	69.9	5	127.0	R-24
2½	65	3¼	82.6	6	152.4	R-27
3	80	3¼	82.6	6¾	171.5	R-35
4	100	4	101.6	8	203.2	R-39
6	150	6¼	158.8	10	254.0	R-46
8	200	8½	206.4	12½	317.5	R-50
10	250	9¾	241.3	15¾	400.0	R-54
12	300	12	304.8	18½	469.9	R-58



Parts List

PART NO.	DESCRIPTION	NO. REQ'D
1	Body	1
2	Disc	1
3	Hinge Pin	1
4	Spring	1
5	Hex Socket Pipe Plug	2
6	Nameplate	1
7	Drive Screw	2

Denotes recommended spare parts for one year operation.

Mueller Steam Specialty product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Mueller Steam Specialty Technical Service. Mueller Steam Specialty reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Mueller Steam Specialty products previously or subsequently sold.

