Models: 1606, 1646

Carbon Steel or Stainless Steel CHEXTER™ Check Valves Sizes: 2" - 12" (50 - 300mm)

Pressure/Temperature - Non-Shock									
Model	Material	Rating							
1606-A	Carbon	2220psi @ 100°F							
	Steel	153 bar @ 38°C							
		1850psi @ 400°F							
		128 bar @ 204°C							
1606-C	Stainless	2160psi @ 100°F							
	Steel	149 bar @ 38°C							
		1490psi @ 400°F							
		103 bar @ 204°C							
1606		Class 900, RF							

Class 900, RTJ

1646



Model 1606 Open

Typical Services

- Can be used in a vast number of industries and applications. Included are:
 - Industrial and Marine
 - Gas and liquid applications
 - Water filtration, oxygen systems, boiler feed lines
 - Centrifugal pump and compressor systems
- Utilities
 - All gas and liquid applications
- Process Industries (Refining, petro-chemical, mining, textiles, pulp and paper, etc.) - Variety of materials and trims for corrosive services

Features

- Compact design with short face-to-face dimensions for minimum space requirements.
- 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 C_V values due to aerodynamic disc shape and near full port opening. - Superior to other check valve designs, similar to Butterfly valves

Construction

- Robust cast body is wafer style, featuring compact face-to-face dimensions to fit in small spaces.
- Designed to fit within ANSI bolt circles.
- Variety of trim and seat materials are available, both soft and metal-to-metal. – Parts are interchangeable
- Disc rotates on the hinge pin, creating very low pivot friction, so little wear in operation.
- Model 1606 features RF facing, Model 1646 has RTJ facing.

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

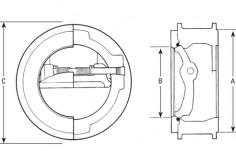


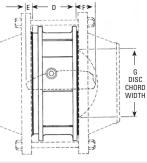
Materials

- 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 Flat Face Valves





2" – 12 (50 – 300)

LINE SIZE DIMENSIONS														
			Α			C	[)*		E		F	(G
					900 CLASS									
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2	50	35/8	92.1		55%	142.9	1½	38.1	0	0	1/2	12.7	1 ¹⁵ ⁄16	33.3
2 ½	65	41/8	104.8	S S	_	_	1 ¹⁵ ⁄16	49.2	1/16	1.6	9⁄16	14.3	27/8	60.3
3	80	5	127.0	FITS SIZES	65/8	168.3	21/8	54.0	1/8	3.2	3⁄4	19.1	27/8	73.0
4	100	6 ³ ⁄16	157.2	NE NE	8 1⁄8	206.4	2 ³ ⁄ ₄	69.9	1/8	3.2	11/8	28.6	37/8	98.4
5	125	7 5⁄16	185.7	그 두 따 ㅋ	_	_	31/2	88.9	7/16	11.1	13%	34.9	4 ¹ / ₁₆	103.2
6	150	81/2	215.9		11%	288.9	41/8	104.8	5⁄8	15.9	11/4	31.8	4 ¹⁵ / ₁₆	125.4
8	200	105%	269.9	SAME SC AND 8	141/%	358.8	5 ¾	136.5	1	25.4	1 ¹⁵ ⁄16	49.2	67/8	174.6
10	250	123⁄4	323.9	9	17 ½	435.0	6 ¹ / ₁₆	169.9	11/2	38.1	23/8	60.3	83/8	212.7
12	300	15	381.0		19%	498.5	8	203.2	2 ¹ ⁄ ₁₆	52.4	27/16	61.9	9 ³ / ₈	238.1

*"D" dimensions (overall face-to-face) are for 125-600 Class.

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.



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