# Models: 721, 722

## CONTROL CHEK® Valves Sizes: 2" - 14" (50 - 350mm)

D N Cl l.							
Pressure/Temperature-Non-Shock							
Model	Size	Rating					
		CWP					
721	2" – 12"	200psi @ 150°F					
		14 bar @ 66°C					
		165psi @ 300°F					
	14"	150psi @ 150°F					
		10 bar @ 66°C					
		110psi @ 300°F					
722	2" – 12"	640psi @ 100°F					
		44 bar @ 38°C					
		565psi @ 300°F					
	14"	500psi @ 100°F					
		34 bar @ 38°C					
		400psi @ 300°F					

<sup>\*</sup>Max. temp. can be limited by gasket and seat material. Consult factory.

# 721 Class 125 722 Class 300



Models 721, 722

### **Typical Service**

The CONTROL CHEK® valve is designed for installation in pump discharge piping where it performs triple duty. It acts as a spring loaded silent check valve, a shutoff valve, and a balancing valve. Used in conjunction with the Mueller Steam Specialty Suction Diffuser, it constitutes a compact and effective complete pump protection and isolation package.

#### Operation

- Disc is spring loaded to close the valve prior to flow reversal, protecting the pump and guarding against water hammer.
- Disc opens at .25psi
- ullet Disc opens a 1/3" for each inch of line size, allowing greater flow than similar products
- Disc is fully guided with external threaded stem.
- Threaded stem allows flow adjustment from bubble tight shutoff to full flow.
- Position indicator ensures accurate and repeatable balancing through disc positioning in throttling service.
- Stem and yoke are external unwetted parts so are not subject to corrosion or erosion by line fluids. This is a design feature unique to the Mueller Steam Specialty CONTROL CHEK®.
- Field servicing is easy and requires no special tools.
- NPT drain plug at location "C" is standard. See next page.
- Gauge taps are available at both inlet and outlet ends.

#### **Pressure Drop**

• Consult factory

#### **Materials**

	721	722			
Body and Yoke	Cast Iron ASTM A126-B	Ductile Iron ASTM A536			
Disc	Aluminum Bronze ASTM B148, C952	Aluminum Bronze ASTM B148, C952			
Stem	316 SS	316 SS			
Seat Guide	Bronze ASTM B584, C844	Bronze ASTM B584, C844			
Gland Flange	Cast Iron ASTM A126-B	Cast Iron ASTM A126-B			
Packing	Compressed Fiber	Compressed Fiber			
Spring	302 Stainless Steel	302 Stainless Steel			
Stem Guide	Ductile Iron ASTM A536	Ductile Iron ASTM A536			
0-Rings	EPDM	EPDM			

Other materials available on request.

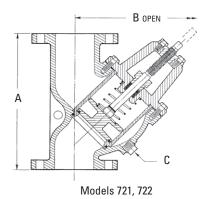
\*722G grooved end CONTROL CHEK® available. See the LOCXEND® section of the Mueller Steam Specialty Engineering binder.

Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative



# **Dimensions and Weights**

SIZE				DIMENSIONS				WEIGHT		
			<b>A</b>	В		C (NPT)				
in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	
721				,		,				
2	50	8%	213	9%	244	1/2	15	34	15	
21/2"	60	8%	225	9%	244	1/2	15	40	18	
3	80	10	254	101//8	257	1/2	15	50	27	
4	100	141/2	368	12 <sup>5</sup> /8	321	1/2	15	100	45.4	
5	125	16	406	1 <b>2</b> %	321	1/2	15	155	70	
6	150	18	457	17½	445	3/4	20	200	90	
8	200	21½	546	18	457	3/4	20	350	159	
10	250	25½	648	213/4	552	1	25	480	218	
12	300	30	762	241/2	616	1	25	660	300	
14	350	30%	772	241/2	622	1	25	790	359	
722										
2	50	93%	238	95%	244	1/2	15	39	17	
21/2"	60	101/4	260	95/8	244	1/2	15	47	21	
3	80	1111/4	286	101//8	257	1/2	15	64	29	
4	100	15%	397	12%	321	1/2	15	120	54.5	
5	125	165//8	422	125/8	321	1/2	15	173	78	
6	150	19%	499	17½	445	3/4	20	230	104	
8	200	235//8	651	18	457	3/4	20	410	186	
10	250	28	711	213/4	552	1	25	550	250	
12	300	31%	803	241/2	616	1	25	730	331	
14	350	_	_	<b>24</b> ½	622	1	25	_	_	



Apply For Certified Drawings.

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.

