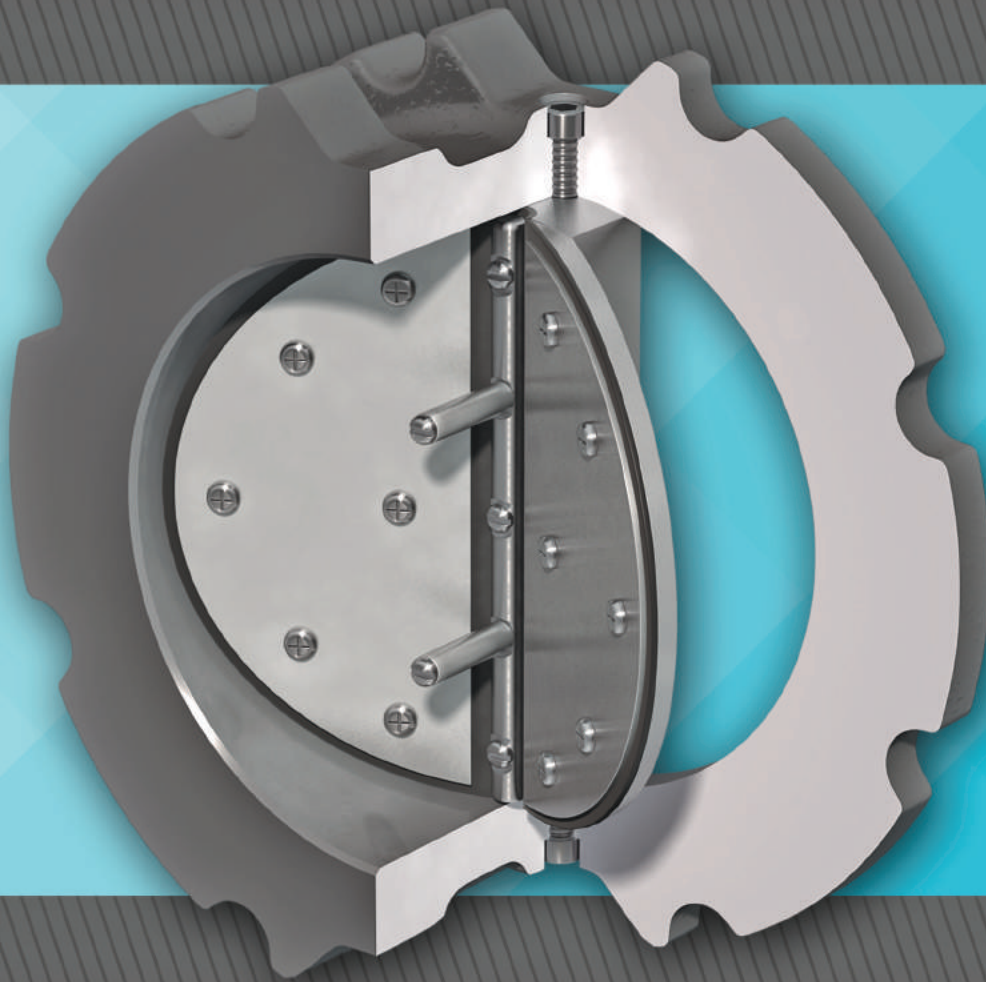




TECHNOVALVES

TECHNO Elastomer-Hinged Wafer-Style Check Valves

Low pressure loss, lightweight design with compact construction



TECHNO Elastomer-Hinged Wafer-Style Check Valves

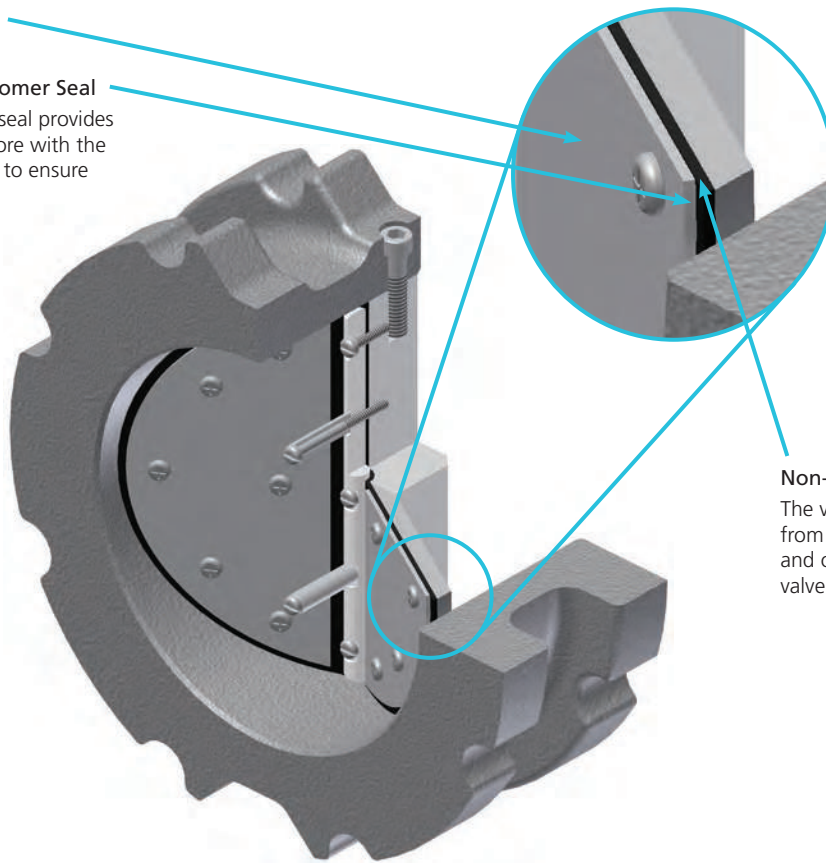
DESIGN FEATURES

- The stationary hinge-post and hinge-clamp design reduces wear to hinges, pins, valve seats, springs and the need for routine maintenance.
- The valve plate design reduces travel from a fully open to fully closed position and provides complete metal-to-metal valve plate structural support, resulting in a non-slam, quick closure feature.
- Our unique flexible elastomer seal provides final closure around the valve bore with continuous strength and durability to ensure prolonged cycle life, outwearing traditional metal-seated valves.

Clamp Plate Support

Unique Flexible Elastomer Seal

Continuous elastomer seal provides closure around valve bore with the strength and durability to ensure prolonged cycle life.



Non-Slam Quick Closure Feature

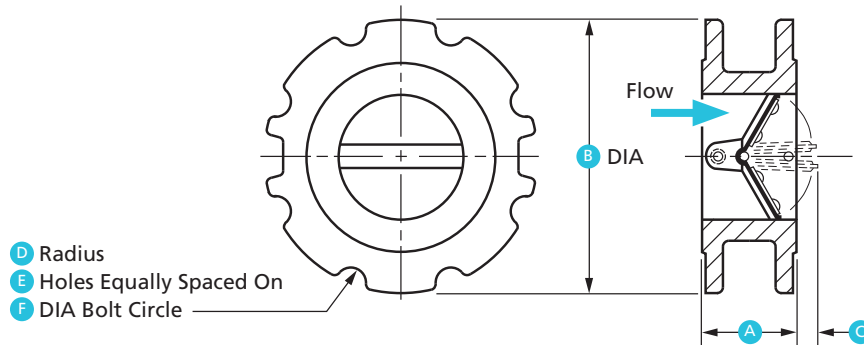
The valve plate design reduces travel from fully open to fully closed position and offers complete metal-to-metal valve plate structural support.

The elastomer-hinged TECHNO wafer-style check valve offers compact design along with heavy-duty construction. The scalloped body design ensures proper and easy alignment between mating gaskets and line flanges. It offers strength and reduces the need for expensive supports, expansion joints and foundations that may be necessary with a conventional check valve.

Our unique design, combined with years of experience, allows us to satisfy some of the most difficult applications.

Other configurations are available upon request.

TECHNO CHECK STYLES 5412, 5118, 5355* AND 5355-316



General Dimensions for Styles 5412, 5118, 5355* and 5355-316

Valve Size (in.)	A	B	C	D	E	F
2	1-3/8	4-3/4	1/2	3/8	4	4-3/4
2-1/2	1-5/8	5-1/2	9/16	3/8	4	5-1/2
3	1-7/8	6	11/16	3/8	4	6
4	2-3/8	7-1/2	7/8	3/8	8	7-1/2
5	2-7/8	8-1/2	1-1/8	7/16	8	8-1/2
6	3-3/8	9-1/2	1-1/2	7/16	8	9-1/2
8	4-3/8	11-3/4	2-1/4	7/16	8	11-3/4
10	5-3/8	14-1/4	2-1/2	1/2	12	14-1/4
12	6-3/8	17	3	1/2	12	17
14	7-3/8	18-3/4	3-1/4	9/16	12	18-3/4
16	8-3/8	21-1/4	3-3/4	9/16	16	21-1/4
18	9-3/8	22-3/4	4-1/4	5/8	16	22-3/4
20	10-3/8	25	4-3/4	5/8	20	25
24	12-3/8	29-1/2	5-3/4	11/16	20	29-1/2
30	15-3/8	36	7-3/4	11/16	28	36
36	18-3/8	42-3/4	8-1/2	13/16	32	42-3/4

*For sizes 2" to 8", see Style 5296 on page 5.
All dimensions are in inches.

Available Materials

Internal Materials

- Aluminum
- 316 Stainless Steel

Sealing Member Materials

MATERIAL	TEMPERATURE RANGE**
• Buna-N	-60° F to 225° F (-51° C to 107° C)
• EPDM	-40° F to 300° F (-40° C to 149° C)
• FKM (Viton®)	-20° F to 400° F (-29° C to 204° C)
• Silicone	-100° F to 500° F (-73° C to 260° C)

** This temperature range is for general guidance.
The figures may vary with application.

Spring(s) Are Optional.

- Material is 302 Stainless Steel.

Standard Models and Materials

Style	Body	Internals	Flange Class	Cold Working Pressure (psi)
5412	Aluminum	Aluminum	125 (FF)	125
5118	Cast Iron	Aluminum	125 (FF)	125
5355*	Steel	316 Stainless Steel	150 (RF)	150
5355-316	316 Stainless Steel	316 Stainless Steel	150 (RF)	150

Standard Elastomer: Buna-N

(FF) = Flat Face
(RF) = Raised Face

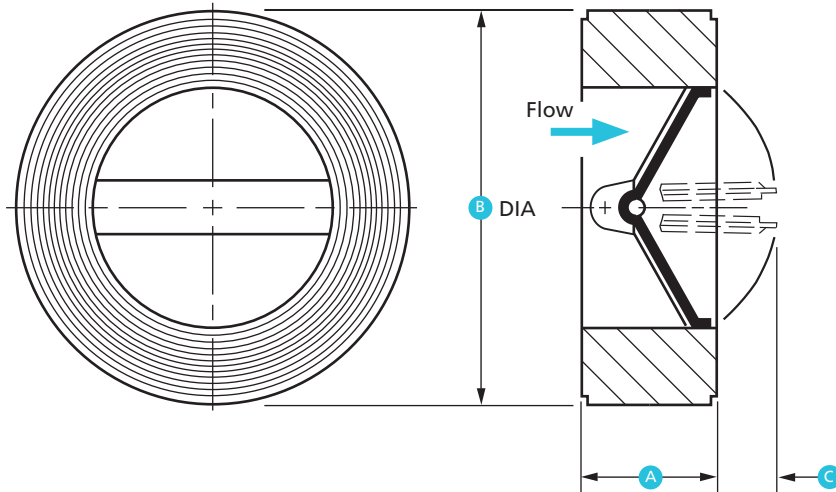
TECHNO CHECK STYLE 5296

For sizes 2" to 8", Style 5355 with carbon steel bodies are known as Style 5296.

They are rated at 150 psi cold working pressure and have raised-face ends. Bodies are made from solid round

material and do not have the scalloped edges like the 5355 which is produced from a casting.

The outside diameter is made to fit within the bolting pattern of ASME 150# flanges.

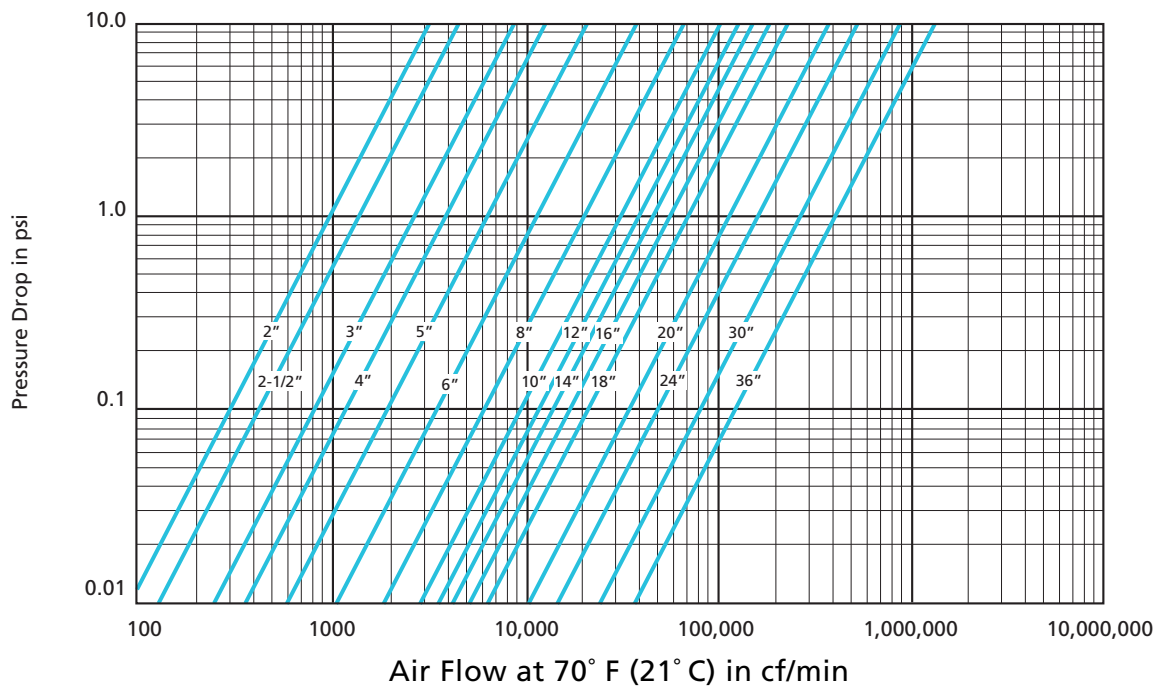
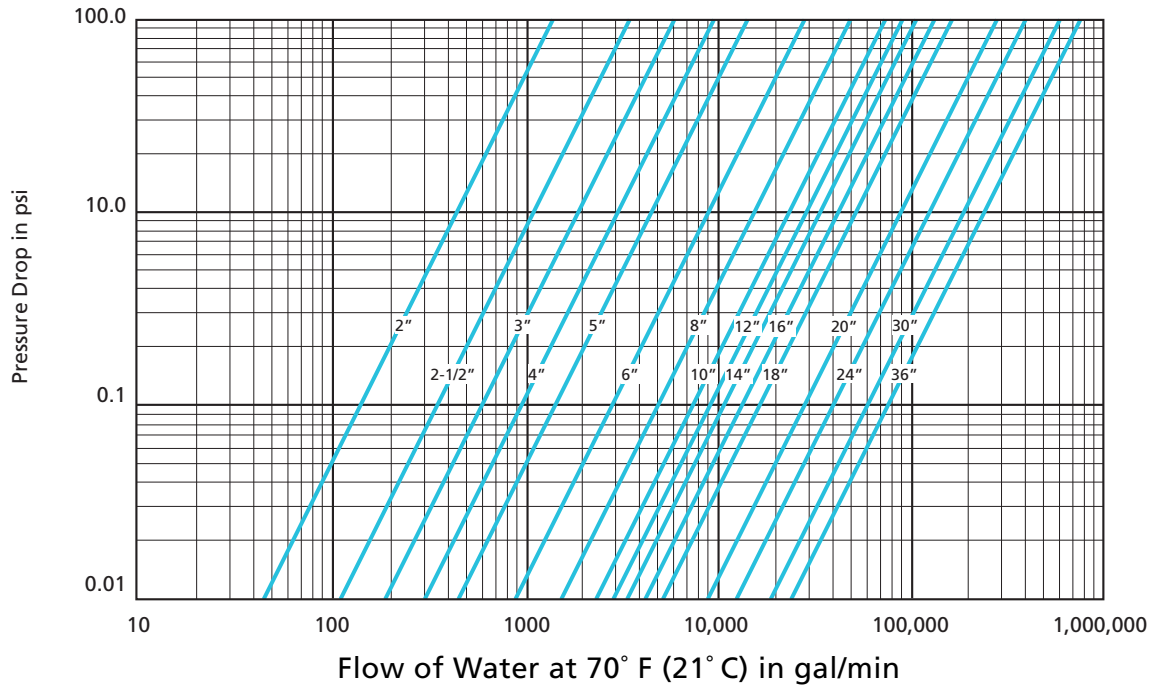


General Dimensions for Style 5296

Valve Size (in)	A	B	C
2	1-3/8	4-1/8	1/2
2-1/2	1-5/8	4-7/8	9/16
3	1-7/8	5-3/8	11/16
4	2-3/8	6-7/8	7/8
5	2-7/8	7-3/4	1-1/8
6	3-3/8	8-3/4	1-1/2
8	4-3/8	11	2-1/4

All dimensions are in inches.

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