

Horizontal or Vertical Installation Check Valves

H-V Globe Check Valves

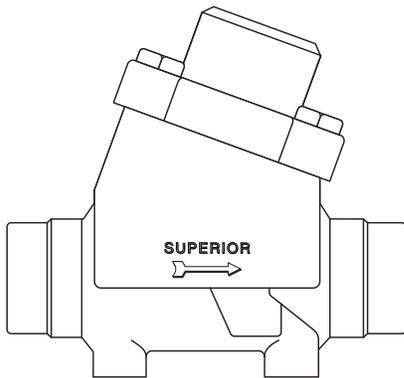
Globe Check Valves feature the time-proven piston construction simplified for easy reassembly after soldering. The improved "C" series with special non-metallic bonnet gaskets and Teflon® seat inserts permit the use of these valves in service temperatures as high as 400° F.

All H-V Globe Check Valves are constructed of all forged brass in the low pressure drop "Y" type design. Complete back pressure shutoff is achieved at low pressure.

Note: Bolted bonnets are loosely assembled after testing to allow easy disassembly for soldering.

Teflon is a registered trademark of Dupont.

Line Check Valves



Part Number	IBCA Number	Size (Inches) ODS x ODS	Weight (lbs.)
Line Valve Type			
805C-14S	57348	7/8	2.50
806C-11S	57352	1 1/8	2.50
807C-13S	57336	1 3/8	5.00
808C-15S	57360	1 7/8	5.00
809C-21S	57364	2 1/8	12.75
884C-25S	57371	2 3/8	32.25
885C-31S	57372	3 1/8	32.25
886C-35S*	57373	3 3/8	37.00

* Reduced port.

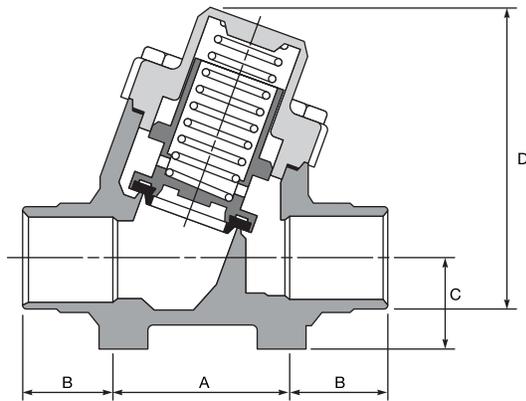
H-V Check Valves

Horizontal or Vertical Installation Check Valves

- Working pressure: up to 700 PSIG.
- Construction: all-forged brass.
- Seat material: Teflon®.
- Special non-metallic bonnet gasket.
- Service temperature up to 400° F.
- Low pressure drop “Y” design.
- Complete back-pressure shut-off at low pressure differential.
- Time-proven piston construction.
- Install in any position but upside down.
- UL® and cUL Recognized
- Recommended bolt torque for reassembly in chart below.
- For use with CO₂, CFC, HFC and HCFC refrigerants listed in CAN/CSA B52 and ANSI/ASHRAE 15 Section 9.2.
- For gases and liquids not listed, please consult factory.
- Comes with standard ½-lb. differential spring.
- For special higher differential springs for all check valves, please consult factory.
- Suitable for many applications, such as hot gas defrost.
- Spare Parts List on pp. 36–37.

Teflon is a registered trademark of Dupont.

Line Check Valves



Part Number	Size	Dimensions (Inches)				Bolt Torques	
		A	B	C	D	(ft. lb.)	C _v
805C-14S	7/8	1 1/16	15/16	3/32	3 19/32	12	10.60
806C-11S	1 1/8	1 1/16	1	3/32	3 19/32	12	12.36
807C-13S	1 3/8	2 3/8	1 1/16	1 1/16	4 1/16	30	21.67
808C-15S	1 7/8	2 3/8	1 1/16	1 1/16	4 1/16	30	23.63
809C-21S	2 1/8	3 3/8	1 1/2	1 11/16	5 7/8	50	42.00
884C-25S	2 3/8	5 1/8	1 7/8	2 1/8	7 3/4	70	82.30
885C-31S	3 1/8	5 1/8	1 7/8	2 1/8	7 3/4	70	91.30
886C-35S	3 3/8	5 1/8	1 7/8	2 1/8	7 3/4	70	91.00

Horizontal or Vertical Installation Check Valves

Type 802B Check Valves Series

(Patent 3,438,391)

For years, this “Y” type of valve has been the most popular design in the refrigeration industry. The internal parts can easily be removed and reassembled after soldering. This basic “Y” type design reduces pressure drop to a very low level.

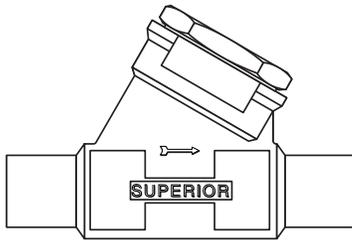
The Teflon® seat insert rapidly conforms to the cone style of seating surface in the body. This ensures positive shut-off characteristics. This valve minimizes leakage even at the lowest back pressure. A specially designed secondary seat backs up the primary seat. After approximately 10,000 cycles of operation, the secondary seat becomes effective. This is done to ensure even better shut-off characteristics as the valve wears into service.

Upon reassembly of the valve, positive shut-off between the body cap and the body is assured by means of a special gasket seal.

All Superior H-V Check Valves have Teflon seats. These valves may be installed in any position, except upside down.

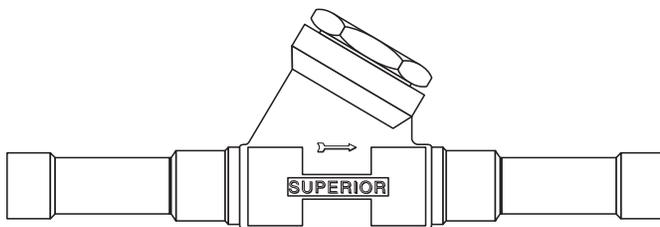
Teflon is a registered trademark of Dupont.

Type 802B Check Valve Series



Part Number	IBCA Number	Size (Inches)	Weight (lbs.)
Flare x Flare			
802B-4	57328	¼	0.50
802B-6	57331	⅜	0.50
802B-8	57334	½	0.50
ODS x ODS			
802B-4S	57329	¼	0.50
802B-6S	57332	⅜	0.50
802B-8S	57335	½	0.50
803B-10S	57340	⅝	0.50
804A-14S	57344	⅞	1.00

Type 802B Check Valve Series ODS x ODS Tube Extensions*



Part Number	IBCA Number	Size (Inches)	Weight (lbs.)
802B-4ST	57330	¼	0.50
802B-6ST	57333	⅜	0.50
802B-8ST	57336	½	0.75
803B-10ST	57341	⅝	0.75
804A-14ST	57345	⅞	1.00

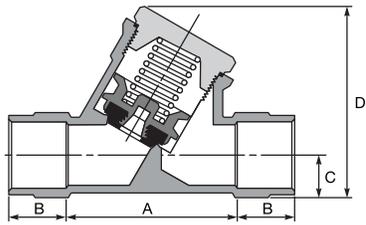
* Tube extensions permit valve to be silver soldered directly to line without disassembly.

Horizontal or Vertical Installation Check Valves

- Working pressure: up to 700 PSIG.
- Construction: all-forged brass.
- Seat material: Teflon®.
- Specially designed secondary seat backs up primary seat.
- Copper gasket between body cap and body assures positive shut-off.
- Minimum temperature: -40° F.
- Maximum temperature: 400° F.
- Low pressure drop “Y” design.
- Tube extensions permit valve to be soldered without disassembly.
- All UL® and cUL Recognized, File No. SA2989(N).
- Patent No. 3,438,391.
- Recommended bonnet torque: 802/803—45 ft. lbs., 804—75 ft. lbs.
- For use with CO₂, CFC, HFC and HCFC refrigerants listed in CAN/CSA B52 and ANSI/ASHRAE 15 Section 9.2.
- Suitable for many applications, such as hot gas defrost.
- For gases and liquids not listed, please consult factory.
- Comes with standard 1/2-lb. differential spring.
- For special higher differential springs for all check valves, please consult factory.
- Spare Parts List on pp. 36–37.

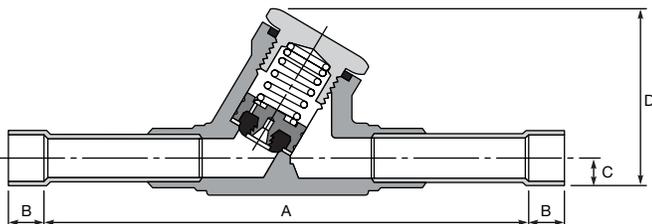
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Type 802B Check Valve Series



Part Number	Size	Dimensions (Inches)				C _v
		A	B	C	D	
Flare x Flare						
802B-4	1/4	2	1/2	15/32	2 1/16	N/A
802B-6	3/8	1 1/4	3/8	15/32	2 1/16	1.75
802B-8	1/2	1 1/2	3/4	15/32	2 1/16	3.2
ODS x ODS						
802B-4S	1/4	2 3/8	3/16	15/32	2 1/16	N/A
802B-6S	3/8	2 1/8	7/16	15/32	2 1/16	1.75
802B-8S	1/2	1 7/8	9/16	15/32	2 1/16	3.2
803B-10S	3/8	2	2 1/32	15/32	2 1/16	3.8
804A-14S	7/8	2 1/4	3/4	19/32	2 9/16	8.5

Type 802B Check Valve Series



Part Number	Size	Dimensions (Inches)				C _v
		A	B	C	D	
802B-4ST	1/4	5 5/8	3/16	15/32	2 1/16	N/A
802B-6ST	3/8	5 3/8	3/8	15/32	2 1/16	1.75
802B-8ST	1/2	5 3/16	3/8	15/32	2 1/16	3.2
803B-10ST	3/8	5 1 3/16	1/2	15/32	2 1/16	3.8
804A-14ST	7/8	6 1/4	3/4	19/32	2 9/16	8.5

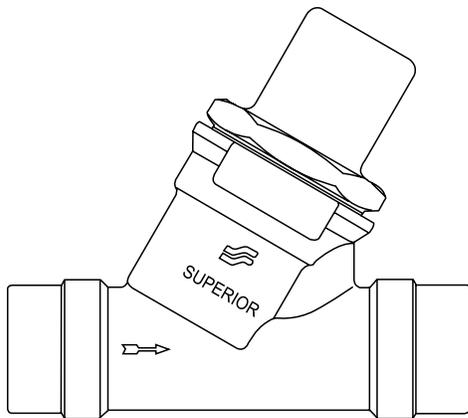
Horizontal or Vertical Installation Check Valves

Type 804ADX Check Valves Series

This unique dashpot cylinder design is ideal for compressor discharge applications. The tight tolerance fit between the seat guide and the seal cap bore acts like a shock absorber to dampen the seat from rapid compressor palpitations.

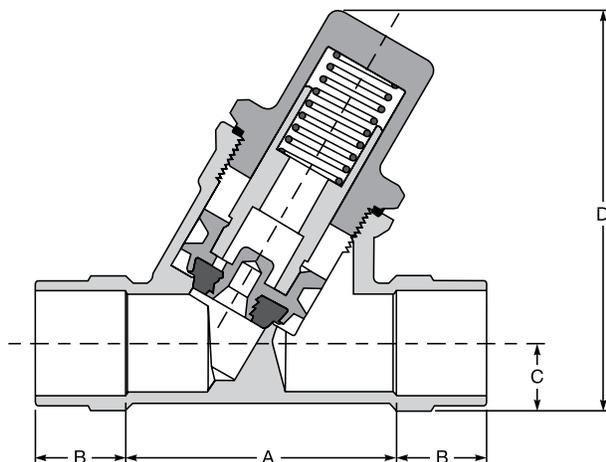
- Working pressure: 700 PSIG.
- Construction: forged brass.
- Seat material: Teflon®.
- Specifically designed secondary seat backs up primary seat.
- Copper gasket between body cap and body assures positive shut-off.
- Minimum temperature: -40° F.
- Maximum temperature: 400° F.
- Low pressure drop “Y” design.
- Stainless steel spring.
- UL® and cUL Recognized, File No. SA2989(N).
- For use with CO₂, CFC, HFC and HCFC refrigerants listed in CAN/CSA B52 and ANSI/ASHRAE 15 Section 9.2.
- For gases and liquids not listed, please consult factory.

Teflon is a registered trademark of Dupont.



Part Number	IBCA Number	Size (Inches)
804ADX11-14S	21976	7/8
804ADX12-14S*	26586	7/8

* Teflon disc in bottom of seal cap for additional noise dampening.



Part Number	Dimensions (Inches)				
	Size	A	B	C	D
804ADX11-14S	7/8	2 1/4	3/4	19/32	3.33
804ADX12-14S*	7/8	2 1/4	3/4	19/32	3.33

* Teflon disc in bottom of seal cap for additional noise dampening.