



Check Valve Index

Press. Class	Material	Bonnet Joint	End Connection	Type	SERIES	
150	A105	Bolted	Flanged	Piston	573	
		Bolted	Thd/SW	Piston	See Class 800	
		Bolted	Flanged	Swing	S 673	
	A350 LF2	Bolted	Flanged	Piston	32573	
300	A105	Bolted	Flanged	Piston	583	
		Bolted	Thd/Sw	Piston	See Class 800	
		Bolted	Flanged	Swing	S 683	
	A350 LF2	Bolted	Flanged	Piston	32583	
600	A105	Bolted	Flanged	Piston	593	
		Bolted	Thd/SW	Piston	See Class 800	
		Bolted	Flanged	Swing	S 693	
	A350 LF2	Bolted	Flanged	Piston	32593	
800	A105		Threaded	Piston	701,701ZL,710,13701	
				Ball	B701,B710	
				Swing	4835, S701	
			Socket Weld	Piston	SW701,SW710,SW13701	
				Ball	SWB701, SWB710	
		No	Threaded	Swing	S74	
				Swing	SWS74	
			Union	Threaded	Piston	9091
				Socket Weld	Ball	B9091, 54853
					Piston	SW9091
	A182 F316/F316L	Bolted	Threaded	Piston	718	
				Socket Weld	SW718	
				Swing	S718	
			Socket Weld	Swing	SWS718	
				Ball	B718	
		Union	Threaded	Ball	SWB718	
				Ball	54863	
			Bolted	Threaded	piston	82718
				Socket Weld	Piston	SW82718
				Threaded	Piston	32701
A182 F316H	Bolted	Threaded	Piston	SW32701		
			Socket Weld	Piston	SW32701	
	A350 LF2	Bolted	Threaded	Piston	15701	
				Socket Weld	Piston	15701
1500	A105	Bolted	Threaded	Ball	B15701	
				Ball	SWB15701	
			Socket Weld	Piston	SW15701	
				Flanged	Piston	15593
1690	A105	Weld	Threaded	Piston	1610	
			Socket Weld	Piston	SW1610	
	A182 F22, CL. 3	Weld	Threaded	Piston	1622	
			Socket Weld	Piston	SW1622	
2680	A105	Weld	Threaded	Piston	2610	
			Socket Weld	Piston	SW2610	
	A182 F11, CL. 2	Weld	Threaded	Piston	2611	
			Socket Weld	Piston	SW2611	
	A182 F22, CL. 3	Weld	Threaded	Piston	2622	
			Socket Weld	Piston	SW2622	

Hydraulic Check Valve Index

Press. Class	Material	Bonnet Joint	End Connection	Bonnet Type	SERIES
3000	A105	Screw	Threaded	Piston	1551, 2191
			Socket Weld	Piston	SW1551, SW2191
			Threaded	Ball	B1551
			Socket Weld	Ball	SWB1551
6000	A105	Screw	Threaded	Piston	4881
			Socket Weld	Piston	SW4881

Description of Series Number System for Vogt Valves (Order Vogt Valves & Fittings by size—series number)

Prefix:

This maximum 3 alphanumeric letter beginning the Vogt Valve series number is normally indicative of the valve connection. Historically, a few design features have also been used as part of the prefix including **S**, **B** and **R**. A fully female threaded valve as the traditional Vogt standard does not have a prefix number (see below for prefix descriptions).

Prefix Description:

- (Blank)** - Female NPT (both ends)
- B** - Ball Check (female NPT)
- BS** - Female SW by Male Butt Weld
- BT** - Female Thd by Male Butt Weld
- BW** - Butt Weld
- CS** - Female SW by Male Couplet
- CT** - Female Thd by Male Couplet
- R** - In-Line Repair (female NPT)
- RJ** - Ring Joint Flanges
- S** - Swing Check (female NPT)
- SS** - Female SW by Male SW
- ST** - Female Thd by Male SW
- SW** - **Socket Weld**
- SWB** - Ball Check (SW)
- SWR** - In-line Repairable (SW)
- SWS** - Swing Check (SW)
- TS** - Female SW by Male Thd
- TSW** - Female Thd by Female SW
- TT** - Female Thd by Male Thd

Legend:

The prefixes and suffixes based on design are limited to **S**, **B**, **R** and **ER** (as listed above) **ONLY**.

Expansion of new valve designs are added as new SERIES NUMBERS.

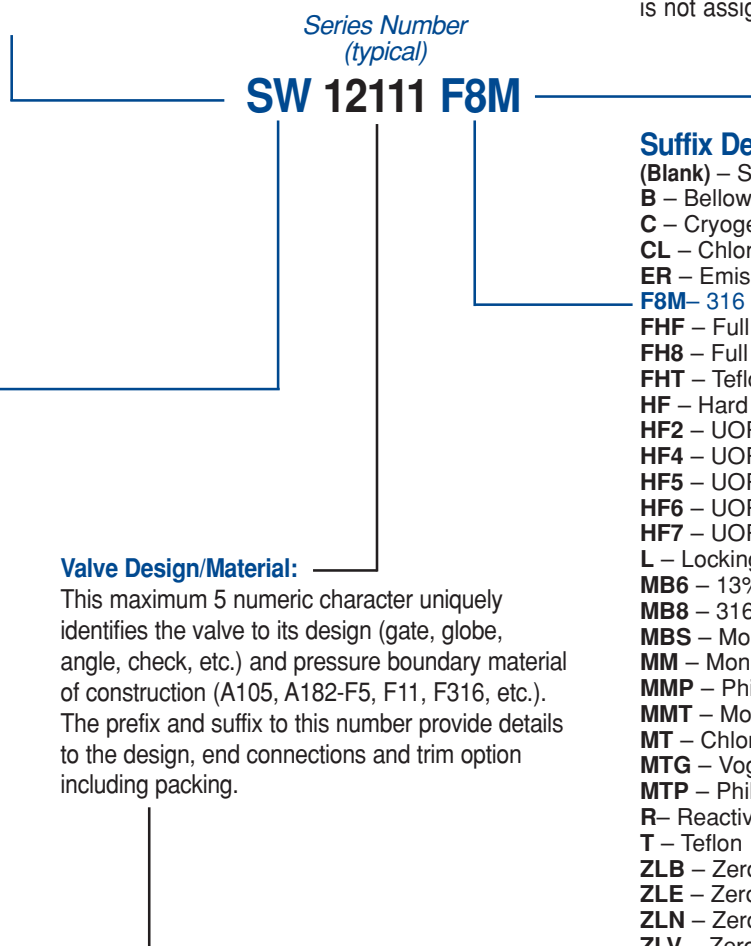
(See the VV 200 individual pages for standard series available.)

Suffix:

This maximum 3 alphanumeric character ending of the Vogt Valve series number is normally indicative of the valve internal trim package. Historically, packing and a few design features have also been used as part of the suffix number including **T**, **B** and **ER**. A valve with the traditional Vogt standard trim package and packing is not assigned a suffix number (see below for suffix descriptions).

Suffix Description:

- (Blank)** – Standard Trim
- B** – Bellows Valve
- C** – Cryogenic Valve
- CL** – Chlorine Valve Trim – Monel/Hastelloy
- ER** – Emissions Reduction – Double Packed with Lantern Ring
- F8M**– 316 Trim
- FHF** – Full Hard Face (unless standard)
- FH8** – Full Hard Faced F8M Trim
- FHT** – Teflon Packing and Full Hard Face
- HF** – Hard Faced Disc (F316 Globes and Checks Only)
- HF2** – UOP Alkylation
- HF4** – UOP Alkylation
- HF5** – UOP Alkylation
- HF6** – UOP Alkylation
- HF7** – UOP Alkylation
- L** – Locking Device
- MB6** – 13% Chrome Trim – NACE
- MB8** – 316 Trim Hard Faced Seats and Disc/Wedge – NACE
- MBS** – Monel Trim – NACE
- MM** – Monel Trim – Grafoil Packing and Gasket
- MMP** – Phillips Alkylation
- MMT** – Monel Trim – Teflon Packing and Gasket
- MT** – Chlorine Valve Trim – Monel/Teflon Disc/Hastelloy
- MTG** – Vogt Alkylation
- MTP** – Phillips Alkylation
- R**– Reactive Seal
- T** – Teflon Packing and Gasket
- ZLB** – Zero Leakage Check Valve – Buna N
- ZLE** – Zero Leakage Check Valve – Ethylene Propylene
- ZLN** – Zero Leakage Check Valve – Neoprene
- ZLV** – Zero Leakage Check Valve – Viton 14



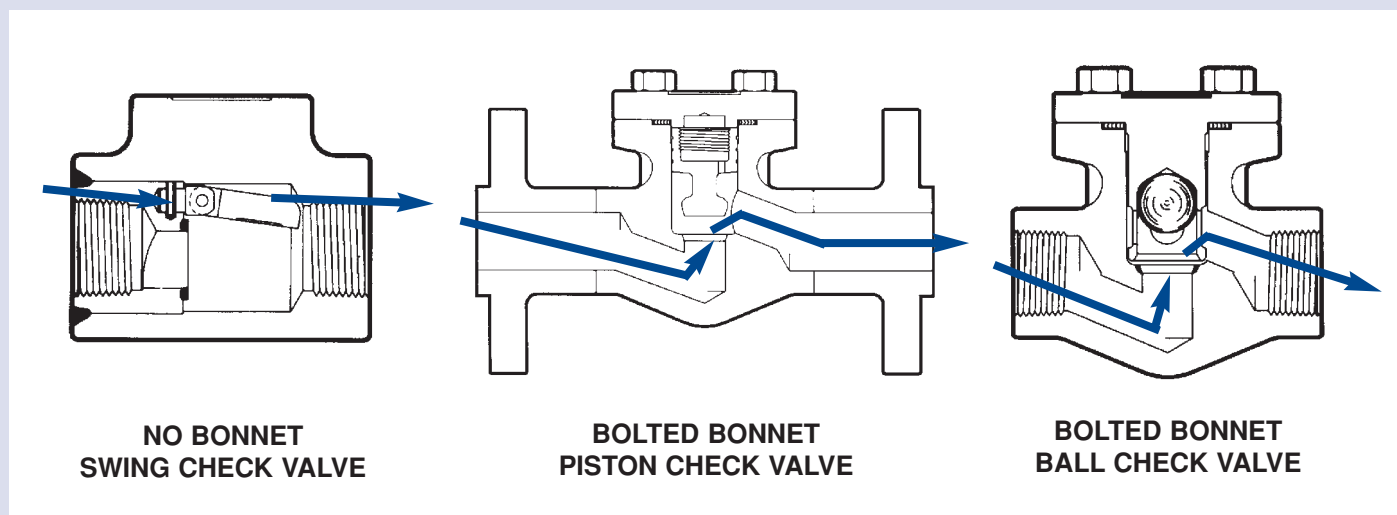
Check Valve Section – Pages 89-111

Vogt check valves are forged from fine grain steel and are available with threaded, socket weld or flanged ends. Most bonnet designs, including bolted, seal weld, union, and bonnetless type check valves are manufactured to meet a wide variety of service applications.

Piston, ball, swing and spring controlled check valve designs for horizontal or vertical (upward) flow applications for the most often specified pressure classes are available. A spring can be added to piston check valves not currently equipped with that option if specified on the order.

Vogt's "Y" pattern check valves complement our "Y" pattern and In-Line repairable globe valve lines used in refineries, chemicals, power and related industries.

Piston and ball check valves should not be used in applications where rusting or rust particles are present or anticipated. Swing check valves are more tolerant for applications of this nature.



Vogt check valves (non spring loaded) should be sized to provide a minimum of 2 psi pressure drop for ball and piston type valves and 1/2 psi for swing check type valves. This will assure that the valves will not be subject to noisy operation and premature wear of parts.

Spring loaded piston check valves are the Vogt preference for reciprocating compressor service in which a history of noisy check valve operation has been experienced.

Check valves are designed to prevent reverse flow. Leakage rate for Vogt check valves with metal-to-metal seats are dependent on the amount of back pressure and the viscosity of the flowing medium. Check valves should not be used in gas or low back pressure liquid applications if zero leakage is desired. See Page 100 for Vogt zero leakage check valves.

**Dimensions are in inches and millimeters.
Dimensions are subject to change without notice.
Order by Size and Series Number.**

Forged Check Valves

Class 150 (PN 20)

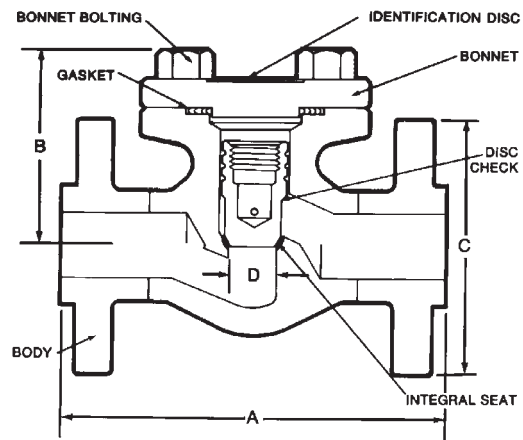
Conventional Port

285 PSI @ 100°F (19.7 BAR @ 38°C)

For other ratings see pgs. 112-115

Body/Bonnet	SERIES NUMBER	Trim	Seat
A105	573	Trim: 13% Cr.	Seat: HF
	573MB8	Trim: 316 SS	Disc/Seat: HF
	573MBS	Trim: Monel	Seat: HF
	573MM	Trim: Monel	Seat: HF
	573F8M	Trim: 316	Seat: HF
A350 LF2	32573	Trim: 13% Cr.	Seat: HF

MATERIALS MEET REQUIREMENTS OF NACE STANDARD MR-01-75 FOR SOUR SERVICE



Flanged Ends 1/16" R.F.

- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/2	3/4	1	1-1/2	2
	DN	15	20	25	40	50
A-End-to-End		4.25 108	4.62 117	5.00 127	6.50 165	8.00 203
B		2.56 65	2.56 65	3.12 79	4.50 114	4.94 125
C		3.50 89	3.88 99	4.25 108	5.00 127	6.00 152
D-Seat Diameter		.50 12.7	.50 12.5	.75 19.1	1.28 32.5	1.53 38.9
Weight		5.3 2.4	6.5 3.0	10.1 4.6	20.7 9.4	33.1 15.0

Valve flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10.

For Cv factors see page 123, Valve Matrix FF.
 Refer to pages 116-120 for full materials description.

Forged Check Valves

Class 300 (PN 50)

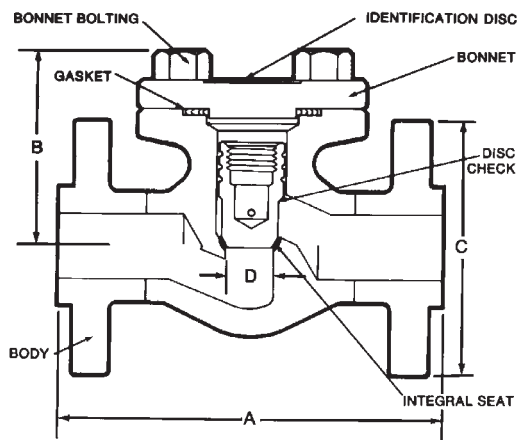
Conventional Port

740 PSI @ 100°F (51.0 BAR @ 38°C)

For other ratings see pgs. 112-115

Body/Bonnet	SERIES NUMBER	Trim	Seat
A105	583	Trim: 13% Cr.	Seat: HF
	583MB8	Trim: 316 SS	Disc/Seat: HF
	583MBS	Trim: Monel	Seat: HF
	583MM	Trim: Monel	Seat: HF
	583F8M	Trim: 316	Seat: HF

MATERIALS MEET REQUIREMENTS OF NACE STANDARD MR-01-75 FOR SOUR SERVICE



Flanged Ends 1/16" R.F.

- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34

A350 LF2 32583 Trim: 13% Cr. Seat: HF

Meets API-602 required wall thicknesses.

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		6.00 152	7.00 178	8.00 203	9.00 229	10.50 267
B		2.56 65	2.56 65	3.12 79	4.50 114	4.94 125
C		3.75 95	4.62 117	4.88 124	6.12 155	6.50 165
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.53 38.9
Weight		6.6 3.0	10.0 4.5	13.7 6.2	27.9 12.7	38.0 17.3

Valve flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10.

For Cv factors see page 123, Valve Matrix FF.
Refer to pages 116-120 for full materials description.

Forged Check Valves

Class 600 (PN 110)

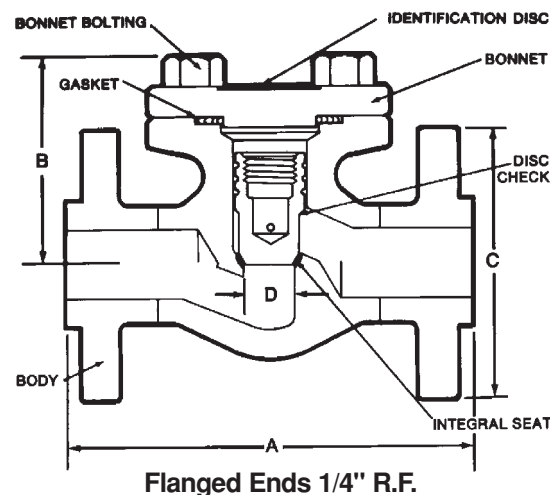
Conventional Port

1480 PSI @ 100°F (102.1 BAR @ 38°C)

For other ratings see pgs. 112-115

Body/Bonnet	SERIES NUMBER	
A105	593	Trim: 13% Cr. Seat: HF
	593MB8	Trim: 316 SS Disc/Seat: HF
	593MBS	Trim: Monel Seat: HF
	593MM	Trim: Monel Seat: HF
	593F8M	Trim: 316 Seat: HF

MATERIALS MEET
REQUIREMENTS OF
NACE STANDARD
MR-01-75 FOR
SOUR SERVICE



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34

A350 LF2	32593	Trim: 13% Cr. Seat: HF
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Meets API-602 required wall thicknesses.

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		6.50	7.50	8.50	9.50	11.50
		165	190	216	241	292
B		2.56	2.56	3.12	4.50	4.94
		65	65	79	114	125
C		3.75	4.62	4.88	6.12	6.50
		95	117	124	155	165
D-Seat Diameter		.50	.50	.75	1.28	1.53
		12.7	12.7	19.1	32.5	38.9
Weight		6.9	9.8	15.2	31.2	41.8
		3.1	4.4	6.9	14.2	19.0

Valve flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10.

For Cv factors see page 123, Valve Matrix FF.
Refer to pages 116-120 for full materials description.

Forged Check Valves – For HF Alkylation Service

Class 800 (PN 130)

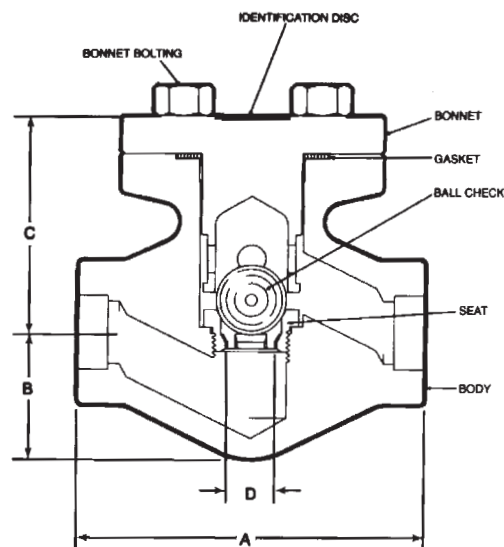
1975 PSI @ 100°F (136.2 BAR @ 38°C)

For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

Threaded	Socket Weld	
–	SWB43721HF2 Sizes 1/2-1"	<div style="border: 1px solid black; padding: 5px; width: fit-content;"> HYDROFLURIC ACID (HF) ALKYLATION VALVES. UOP APPROVED. </div>
–	SWB43721HF4	
–	SWB43721HF5	
	Trim: Monel	



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Ball Check
- Removable Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/2	3/4	1	1-1/2	2
	DN					
A-End-to-End		4.00 102	4.62 117	6.25 159	7.75 197	9.00 229
B		1.12 28	1.56 40	2.25 57	2.69 68	3.50 89
C		2.56 65	3.06 78	4.50 114	4.88 124	5.94 151
D-Seat Diameter		.39 9.9	.59 15.0	.97 24.6	1.44 36.6	1.88 47.8
Weight		3.5 1.6	6.5 3.0	17.5 8.0	25.8 11.7	47.4 21.5

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix HH.

Forged Check Valves

Class 800 (PN 130)

Conventional Port

1975 PSI @ 100°F (136.2 BAR @ 38°C)

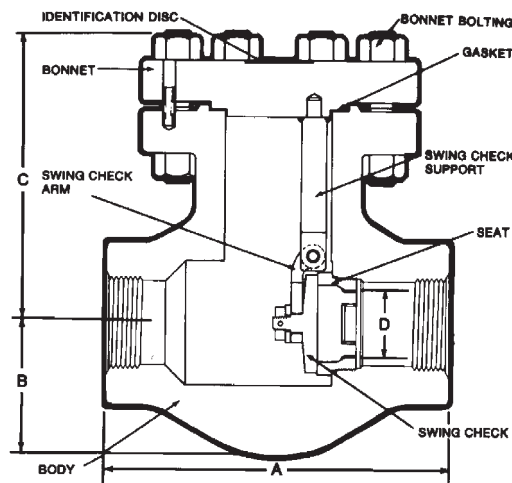
For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

Threaded	Socket Weld
4835	SW4835
	Trim: 13% Cr.

Meets API-600 required wall thicknesses.



- Round Bolted Bonnet
- Flat Gasket Joint
- Horizontal or Vertical Upward Flow
- Swing Check
- Renewable Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/2	3/4	1	1-1/4	1-1/2	2
	DN	15	20	25	32	40	50
A-End-to-End		4.00 102	4.00 102	5.00 127	6.50 165	6.50 165	7.25 184
B		1.31 33	1.31 33	1.75 44	2.19 56	2.19 56	2.62 66
C		4.62 117	4.62 117	5.50 140	6.38 162	6.38 162	6.94 176
D-Seat Diameter		.39 9.9	.39 9.9	.69 17.5	.97 24.6	1.19 30.2	1.44 36.6
Weight		13.2 6.0	13.0 6.0	22.1 10.0	29.1 13.2	30.2 13.7	39.9 18.1

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix JJ.

Forged Check Valves

Class 800 (PN 130)

Conventional Port

1975 PSI @ 100°F (136.2 BAR @ 38°C)

For other ratings see pgs. 112-115

A105 Body/Bonnet

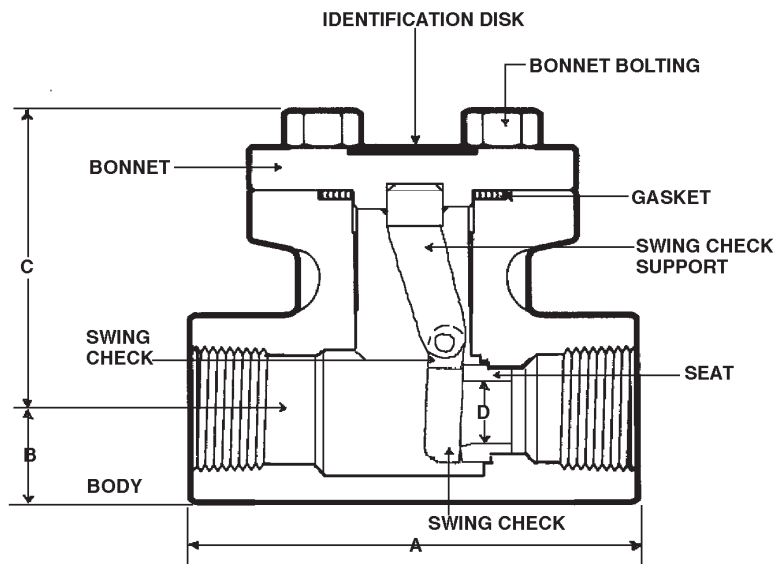
SERIES NUMBER

Threaded	Socket Weld
S701	SWS701
	Trim: 13% Cr.
	Seat: HF

F316, F316L Body/Bonnet

1920 PSI @ 100°F (132.4 BAR @ 38°C)

S718	SWS718
	Trim: 316
	Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal or Vertical Upward Flow
- Swing Check
- Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		3.38	3.38	4.19	5.44	5.94
		86	86	106	138	151
B		.78	.78	.97	1.28	1.56
		20	20	25	33	40
C		2.33	2.33	3.06	4.46	4.92
		59	59	78	113	125
D-Seat Diameter		.50	.50	.75	1.25	1.50
		12.7	12.7	19.1	31.8	38.1
Weight		3.9	3.8	6.1	16.5	25.3
		1.8	1.7	2.7	7.5	11.5

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix MM.

Forged Check Valves

Class 150 (PN 20)

Conventional Port

285 PSI @ 100°F (19.7 BAR @ 38°C)

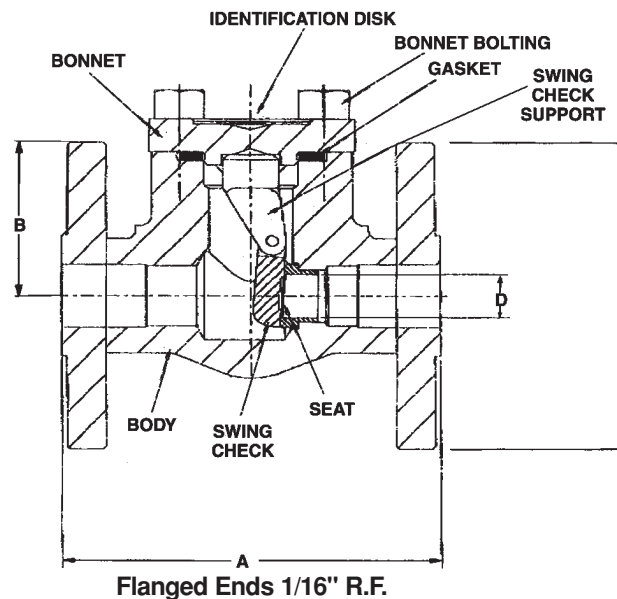
For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

S673

Trim: 13% Cr.
Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal or Vertical Upward Flow
- Swing Check
- Hard Faced Seat
- ASME B16.34

Dimensions

*Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.*

Size	NPS	1/2	3/4	1	1-1/2	2
	DN	15	20	25	40	50
A-End-to-End		4.25	4.62	5.00	6.50	8.00
		108	117	127	165	203
B		2.33	2.33	3.06	4.43	4.89
		59	59	78	112	124
C		3.50	3.88	4.25	5.00	6.00
		89	99	108	127	152
D-Seat Diameter		.50	.50	.75	1.25	1.50
		12.7	12.7	19.1	31.8	38.1
Weight		4.8	6.2	9.1	18.8	33.2
		2.2	2.8	4.1	8.5	15.1

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix MM.

Forged Check Valves

Class 300 (PN 50)

Conventional Port

740 PSI @ 100°F (51.0 BAR @ 38°C)

For other ratings see pgs. 112-115

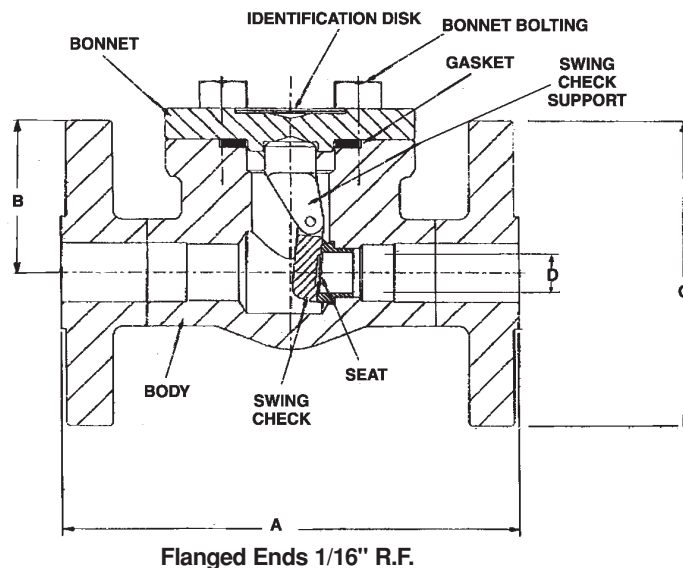
A105 Body/Bonnet

SERIES NUMBER

S683

Trim: 13% Cr.

Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal or Vertical Upward Flow
- Swing Check
- Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		5.50 140	6.00 152	8.50 216	9.50 241	10.50 267
B		2.33 59	2.33 59	3.06 78	4.43 112	4.89 124
C		3.75 95	4.75 121	5.00 127	6.12 155	6.50 165
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.25 31.8	1.50 38.1
Weight		6.3 2.9	9.3 4.2	13.9 6.3	2.60 11.8	39.4 17.9

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix MM.

Forged Check Valves

Class 600 (PN 110)

Conventional Port

1480 PSI @ 100°F (102.1 BAR @ 38°C)

For other ratings see pgs. 112-115

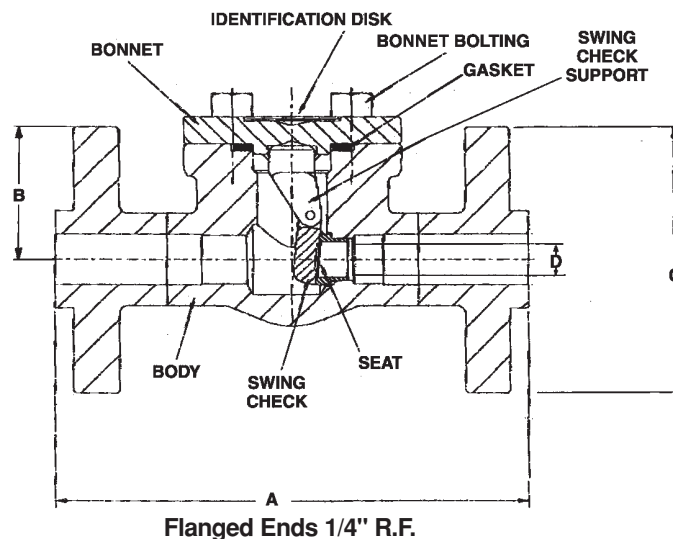
A105 Body/Bonnet

SERIES NUMBER

S693

Trim: 13% Cr.

Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal or Vertical Upward Flow
- Swing Check
- Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		6.50 165	7.50 190	8.50 216	9.50 241	11.50 292
B		2.33 59	2.33 59	3.06 78	4.43 112	4.89 124
C		3.75 95	4.62 117	5.00 127	6.12 155	6.50 165
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.25 31.8	1.50 38.1
Weight		6.9 3.1	10.2 4.6	14.4 6.5	27.8 12.6	43.2 19.6

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix MM.

Forged Check Valves

Class 800 (PN 130)

Conventional Port

1975 PSI @ 100°F (136.2 BAR @ 38°C)

For other ratings see pgs. 112-115

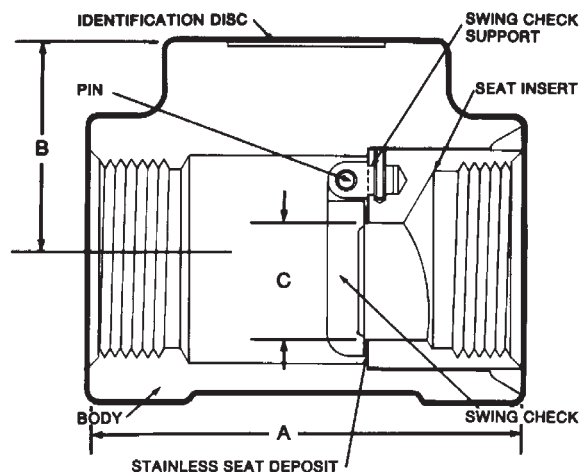
A105 Body/Bonnet

SERIES NUMBER

Threaded
S74

Socket Weld
SWS74

Trim: 13% Cr. with Type 309
Integral Seat



- No Bonnet
- Horizontal or Vertical Upward Flow
- Swing Type Check
- Welded Seat Insert with Integral Stainless Seat Deposit
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		3.50 89	3.50 89	4.00 102	5.00 127	6.75 171
B		1.75 44	1.75 44	2.00 51	2.50 64	3.38 86
C-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.25 31.8	1.50 38.1
Weight		3.7 1.5	3.6 1.6	5.1 2.3	10.7 4.9	23.7 10.8

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix MM.

Forged Check Valves

Class 800 (PN 130)

Conventional Port

1975 PSI @ 100°F (136.2 BAR @ 38°C)

For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

Threaded
B701

Socket Weld
SWB701
Trim: 18% Cr.
Seat: HF

HYDROFLUORIC
ACID (HF)
ALKYLATION VALVES.
UOP APPROVED.

— SWB701HF6 Sizes 1/2-2 (No 1-1/4)

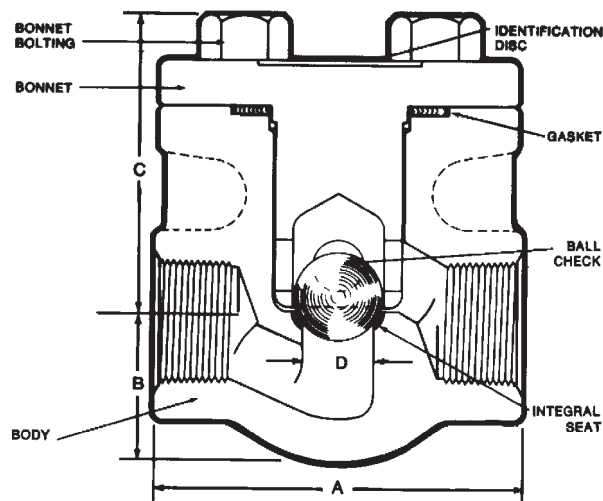
— SWB701HF7 Sizes 1/2-2 (No 1-1/4)

Trim: 18% Cr.
Seat: HF

316/316L Body/Bonnet

1920 PSI @ 100°F (132.4 BAR @ 38°C)

B718
SWB718
Trim: 316



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Ball Check
- Integral Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50
A-End-to-End		3.75 95	4.00 102	4.62 117	6.25 159	6.25 159	7.75 197
B		1.00 25	1.12 28	1.56 40	2.25 57	2.25 57	2.69 68
C		2.56 65	2.56 65	3.06 78	4.50 114	4.50 114	4.94 125
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.28 32.5	1.53 38.9
Weight		3.4 1.5	3.5 1.5	6.2 2.8	17.6 8.0	17.0 7.7	26.1 11.8

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix FF.

Forged Check Valves – Spring Control

Class 800 (PN 130)

Conventional Port

1975 PSI @ 100°F
(136.2 BAR @ 38°C)

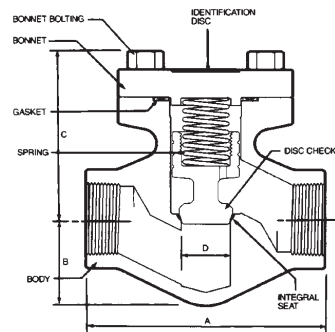
For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

Threaded 710
Socket Weld SW 710
Trim: 13% Cr. (302 Spring)
Seat: HF

710FHF
SW710FHF
Trim: 13% Cr. (302 Spring)
Disc/Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal or Vertical Upward Flow
- Spring Control
- Piston Check or Ball Check
- Integral Hard Faced Seat
- ASME B16.34

Dimensions

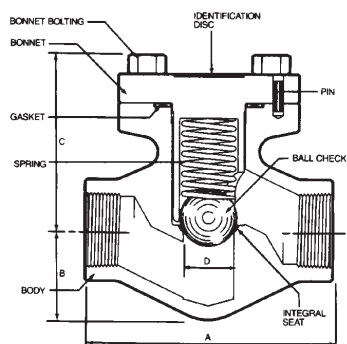
Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A-End-to-End		3.75 95	3.75 95	3.75 95	4.00 102	4.62 117	6.25 159	6.25 159	7.75 197
B-Center-to-Bottom		1.00 25	1.00 25	1.00 25	1.12 28	1.56 40	2.25 57	2.25 57	2.69 68
C-Center-to-Top		2.56 65	2.56 65	2.56 65	2.56 65	3.06 78	4.50 114	4.50 114	4.94 126
D-Seat Diameter		.50 12.7	.50 12.7	.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.28 32.5	1.53 38.9
Weight		3.4 1.5	3.4 1.5	3.2 1.5	3.4 1.5	6.1 2.8	17.0 7.7	16.5 7.5	25.0 11.4

A105 Body/Bonnet

SERIES NUMBER

Threaded B 710
Socket Weld SWB 710
Trim: 18% Cr. (302 Spring)
Seat: HF



Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2	3/4	1	1-1/2	2
A-End-to-End		3.75 95	4.00 102	4.62 117	6.25 159	7.75 197
B-Center-to-Bottom		1.00 25	1.12 28	1.56 40	2.25 57	2.69 68
C-Center-to-Top		2.56 65	2.56 65	3.06 78	4.50 114	4.94 126
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.53 38.9
Weight		3.2 1.5	3.4 1.5	6.1 2.8	16.5 7.5	25.0 11.4

Refer to pages 116-120 for full materials description.

Forged Check Valves

Class 800 (PN 130)

Conventional Port

For other ratings see pgs. 112-115

A350 LF2 Body/Bonnet

1975 PSI @ 100°F (136.2 BAR @ 38°C)

SERIES NUMBER

Threaded Socket Weld
32701 SW32701
 Trim: 13% Cr.
 Seat: HF

32701MB8 ← SW32701MB8
 Trim: 316SS
 Disc/Seat: HF

MATERIALS MEET
 REQUIREMENTS OF
 NACE STANDARD
 MR-01-75 FOR
 SOUR SERVICE

F316/F316L Body/Bonnet

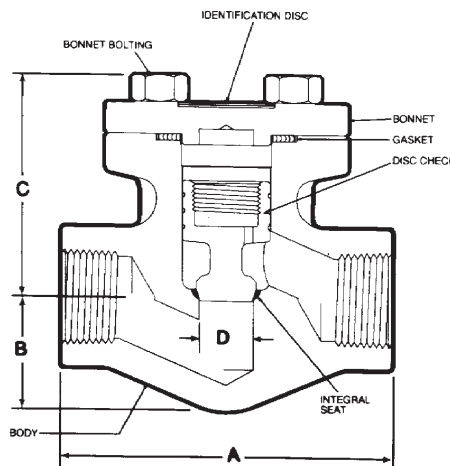
1920 PSI @ 100°F (132.4 BAR @ 38°C)

Threaded Socket Weld
718 SW718 Sizes 1/2-2 (no 1 1/4)
718T+ SW718T+
 Trim: 316

F316H Body/Bonnet

1920 PSI @ 100°F (132.4 BAR @ 38°C)

Threaded Socket Weld
82718 SW82718
 Trim: 316H



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/4 8	3/8 10	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50
A-End-to-End		3.75 95	3.75 95	3.75 95	4.00 102	4.62 117	6.25 159	6.25 159	7.75 197
B		1.00 25	1.00 25	1.00 25	1.12 28	1.56 40	2.25 57	2.25 57	2.69 68
C		2.56 65	2.56 65	2.56 65	2.56 65	3.06 78	4.50 114	4.50 114	4.94 125
D-Seat Diameter		.50 12.7	.50 12.7	.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.28 32.5	1.53 38.9
Weight		3.4 1.5	3.4 1.5	3.2 1.5	3.4 1.5	6.1 2.8	17.0 7.7	16.5 7.5	25.0 11.4

See next page for assistance in selecting the type of "ZL" Ring to use.
 *Valves contain TEFLON — maximum temperature 500°F.
 Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix FF.

CHECK CLASS 800 (PN 130) 32701, 718, 82718

Forged Check Valves

Class 800 (PN 130) Conventional Port

For other ratings see pgs. 112-115

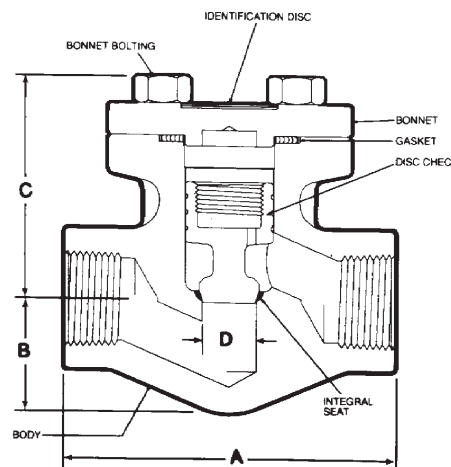
A105 Body/Bonnet

1975 PSI @ 100°F (136.2 BAR @ 38°C)

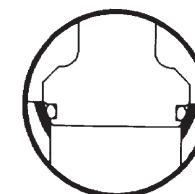
SERIES NUMBER

Threaded 701	Socket Weld SW701 Trim: 13% Cr. Seat: HF
701F8M	SW701F8M 1/2-2 (no 1 1/4) Trim: 316 Seat: HF
701MM	SW701MM 1/2-2 (no 1 1/4) Trim: Monel Seat: HF
701MB8	SW701MB8 Trim: 316 Disc/Seat: HF
701MBS	SW701MBS Trim: Monel Seat: HF

MATERIALS MEET
REQUIREMENTS OF
NACE STANDARD
MR-01-75 FOR
SOUR SERVICE



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34



Soft Insert "ZL" Ring
Zero Leakage

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/4 8	3/8 10	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50
A-End-to-End		3.75 95	3.75 95	3.75 95	4.00 102	4.62 117	6.25 159	6.25 159	7.75 197
B		1.00 25	1.00 25	1.00 25	1.12 28	1.56 40	2.25 57	2.25 57	2.69 68
C		2.56 65	2.56 65	2.56 65	2.56 65	3.06 78	4.50 114	4.50 114	4.94 125
D-Seat Diameter		.50 12.7	.50 12.7	.50 12.7	.50 12.7	.75 19.1	1.28 32.5	1.28 32.5	1.53 38.9
Weight		3.4 1.5	3.4 1.5	3.2 1.5	3.4 1.5	6.1 2.8	17.0 7.7	16.5 7.5	25.0 11.4

ZERO LEAKAGE "ZL" (RING)

701ZLB -20°F to 250°F	Buna N	} Trim: 13% Cr Seat: HF
701ZLE -20°F to 300°F	Ethylene Propylene	
701ZLN -20°F to 240°F	Neoprene	
701ZLV -20°F to 400°F	Viton	

See preceding page for assistance in selecting the type of "ZL" Ring to use.
Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix FF.



Compound Selection Guide*

for Service Fluids Commonly Used in Vogt "ZL" Check Valves

FLUID					FLUID					FLUID					FLUID				
	BUNA N	VITON	ETHYLENE PROPYLENE (EPR)	NEOPRENE		BUNA N	VITON	ETHYLENE PROPYLENE (EPR)	NEOPRENE		BUNA N	VITON	ETHYLENE PROPYLENE (EPR)	NEOPRENE		BUNA N	VITON	ETHYLENE PROPYLENE (EPR)	NEOPRENE
Acetone			●		Fuel Oil	●	●			Methyl Alcohol	●		●	●	Pyrogallic Acid		●		
Acetylene	●	●	●		Furfural			●		Mineral Oil	●	●			Shellac (Bleached)	●			
Air	●	●	●	●	Gas, Manufactured	●				Mustard	●				Shellac (Orange)	●			
Alcohols	●	●			Gas, Natural	●	●		●	Naphtha		●			Soap Solutions (Stearates)	●	●	●	
Amines—Mixed			●	●	Gasoline, Leaded	●	●			Naphthalene		●			Sodium Carbonate	●	●	●	●
Ammonia (Anhydrous)			●	●	Gasoline, Refined	●	●			Natural Gas	●	●		●	Sodium Chromate	●	●		
Ammonia (Aqueous)	●	●			Gasoline, Sour	●	●			Nitrogen	●	●	●	●	Sodium Cyanide	●		●	●
Ammonium Phosphate	●		●	●	Gasoline, Unleaded			●	●	Oils, Animal	●	●			Sodium Hydroxide	●	●	●	●
Asphalt		●			Glucose	●	●	●	●	Oils, Fuel	●	●			Sodium Metaphosphate	●	●	●	
Barium Carbonate	●	●		●	Glue	●	●		●	Oils, Mineral	●	●			Sodium Nitrate			●	
Beet Sugar Liquors	●	●	●		Glycerin	●	●	●	●	Oils, Petroleum (Refined)	●	●			Sodium Perborate		●	●	
Benzene (Beneol)		●			Hydraulic Oil	●	●			Oils, Petroleum (Sour)	●	●			Sodium Silicate	●	●	●	●
Butane	●	●		●	Hydrocarbons	●	●			Oxygen (Cold)		●	●	●	Sodium Sulfate	●	●	●	●
Cane Sugar Liquors	●	●	●	●	Hydrogen Gas (Cold)	●	●	●	●	Palmitic Acid	●	●			Sodium Sulfide	●	●	●	●
Carbon Bisulfide		●			Hydrogen Sulfide (Dry)			●		Pentane	●	●			Sodium Sulfite	●	●	●	●
Castor Oil	●	●		●	Jet Fuel	●	●			Potassium Carbonate	●	●		●	Sodium Thiosulfate (Hypo)	●	●	●	●
Caustic Soda	●	●	●	●	Kerosene	●	●			Potassium Cyanide	●	●	●	●	Steam (212° F)			●	
Crude Oil	●	●			Linseed Oil	●	●			Potassium Hydroxide		●	●		Sulfur Dioxide (Dry)			●	
Diesel Oils	●	●			Lubricating Oil	●	●			Potassium Nitrate	●	●	●	●	Tar & Tar Oil		●		
Dowtherms		●			Magnesium Hydroxide	●	●	●	●	Potassium Permanganate	●	●			Toluene		●		
Ethyl Alcohol	●		●	●	Magnesium Hydrox. (Hot)	●	●	●	●	Potassium Phosphate	●	●		●	Vegetable Oils	●	●		
Ethyl Chloride (Dry)	●	●			Magnesium Sulfate	●	●	●	●	Potassium Sulfate	●	●	●	●	Xylene		●		
Ethylene Glycol	●	●	●	●	Maleic Acid		●			Potassium Sulfide	●	●		●	Zinc Hydrosulfite	●	●	●	●
Fish Oils	●				Mercury	●	●	●	●	Potassium Sulfite	●	●	●	●					
Freon 12, 13, 22			●		Methane	●	●			Propane	●	●							

See Valves on Page No. 100

● Indicates the ZL Ring material suggested for use in a given fluid or service application.

*Because of the influence of contaminants in corrosive chemical solutions, this table is intended only as a general guide and does not constitute a recommendation or guarantee.

Forged Check Valves

Class 800 (PN 130)

Full Port

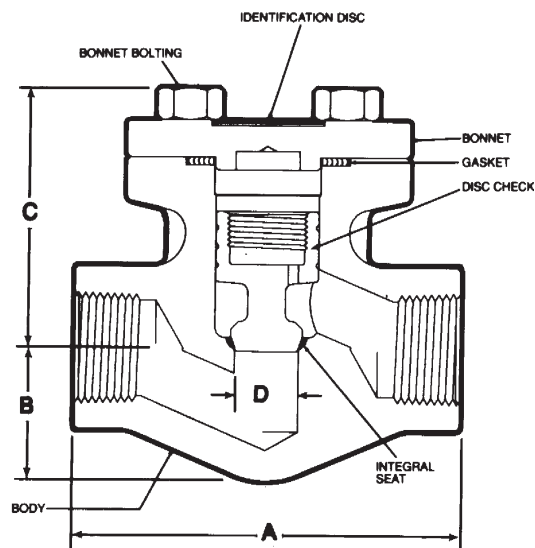
1975 PSI @ 100°F (136.2 BAR @ 38°C)

For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

Threaded	Socket Weld
13701	SW13701
	Trim: 13% Cr.
	Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50
A-End-to-End		4.00 102	4.62 117	6.25 159	6.25 159	7.75 197	9.00 229
B		1.12 28	1.56 40	2.25 57	2.25 57	2.69 68	3.50 89
C		2.56 65	3.06 78	4.50 114	4.50 114	4.94 125	5.94 151
D-Seat Diameter		.50 12.7	.75 19.1	1.28 32.5	1.28 32.5	1.53 38.9	2.00 50.8
Weight		3.5 1.6	6.5 3.0	17.5 7.9	16.6 7.5	25.8 11.7	47.4 21.5

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix KK.

Forged Check Valves

Class 800 (PN 130)

Full Port

1975 PSI @ 100°F (136.2 BAR @ 38°C)

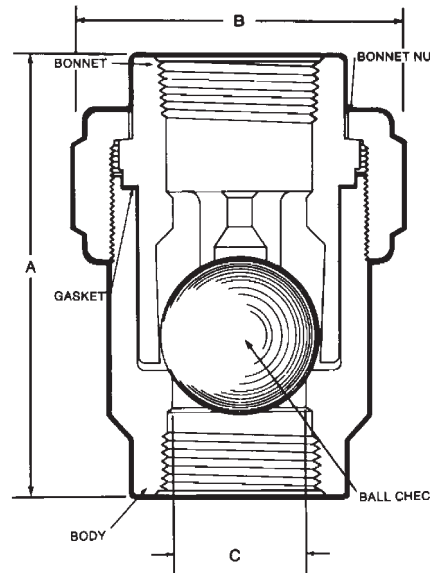
For other ratings see pgs. 112-115

SERIES NUMBER

Body/Bonnet	Threaded	Socket Weld
A105	54853	SW54853
		Trim: 18% Cr.

1920 PSI @ 100°F (132.4 BAR @ 38°C)

F316/F316L	54863	-
		Trim: 316



- Union Bonnet
- Flat Gasket Joint
- Horizontal or Vertical
- Upward Flow
- Ball Check
- Integral Seat
- ASME B16.34

H & V CHECK
CLASS 800 (PN 130)
54853, 54863

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/2	3/4	1	1-1/4	1-1/2	2
	DN	15	20	25	32	40	50
A-End-to-End		3.38	3.88	5.31	5.50	5.62	6.75
		86	99	135	140	143	171
B-Nut-Across-Corners		2.74	3.18	3.46	3.79	4.46	4.94
		70	81	88	96	113	125
C-Seat Diameter		.55	.81	1.06	1.28	1.53	2.00
		14.0	20.6	26.9	32.5	38.9	50.8
Weight		2.3	3.8	5.9	7.7	10.6	16.7
		1.0	1.7	2.7	3.5	4.8	7.6

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix LL.

Forged Check Valves

Class 800 (PN 130)

1975 PSI @ 100°F (136.2 BAR @ 38°C)

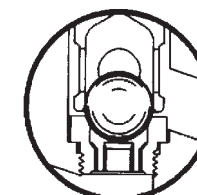
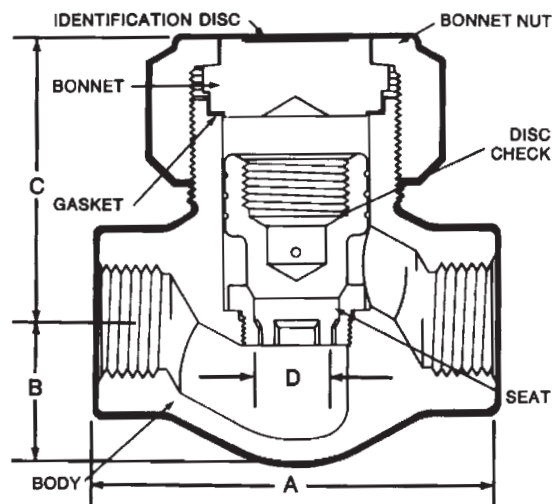
For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

Threaded	Socket Weld
9091	SW9091
	Trim: 13% Cr.
B9091	SWB9091
	Trim: 13% Cr. Seat
	18% Cr. Ball

- Union Bonnet
- Flat Gasket Joint
- Horizontal Type
- Piston Check/Ball Check
- Renewable Seat
- ASME B16.34



Ball Check

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
	DN	8	10	15	20	25	32	40	50
A-End-to-End		3.12 79	3.12 79	3.38 86	4.00 102	5.00 127	6.25 159	6.75 171	8.25 210
B		.94 24	.94 24	1.12 28	1.50 38	1.75 44	2.38 60	2.69 68	3.12 79
C		2.50 64	2.50 64	2.88 73	3.12 79	3.56 90	3.88 99	4.56 116	4.88 124
D-Seat Diameter		.39 9.9	.39 9.9	.50 12.7	.72 18.3	.97 24.6	1.19 30.2	1.44 36.6	1.88 47.8
Weight		2.7 1.2	2.8 1.3	4.2 1.9	6.4 2.9	9.2 4.2	14.5 6.6	23.0 10.4	35.4 16.1

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix GG.

Forged Check Valves

Class 1500 (PN 260)

Conventional Port

3705 PSI @ 100°F (255.5 BAR @ 38°C)

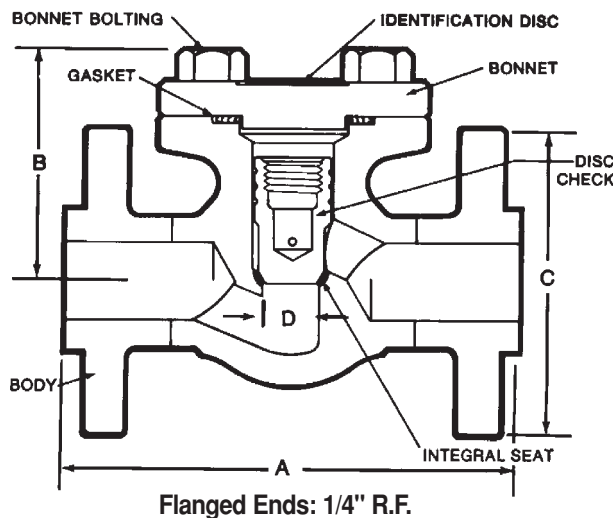
For other ratings see pgs. 112-115

A105 Body/Bonnet

SERIES NUMBER

15593 Trim: 13% Cr.
Seat: HF

15593FHF Trim: 13% Cr.
Disc/Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check
- Integral Hard Faced Seat
- ASME B16.34

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		8.50 216	9.00 229	10.00 254	12.00 305	14.50 368
B		3.06 78	3.06 78	4.41 112	5.03 128	6.12 155
C		4.75 114	5.12 130	5.88 149	7.00 178	8.50 216
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.12 28.4	1.38 35.1
Weight		17.0 7.7	21.0 9.5	36.0 16.3	37.5 17.0	81.4 37.0

Valve flanges conform to ASME Standard B16.5 and end-to-end dimensions conform to ASME Standard B16.10. Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix NN.

CHECK CLASS 1500 (PN 260) 15593

Forged Check Valves

Class 1500 (PN 260)

Conventional Port

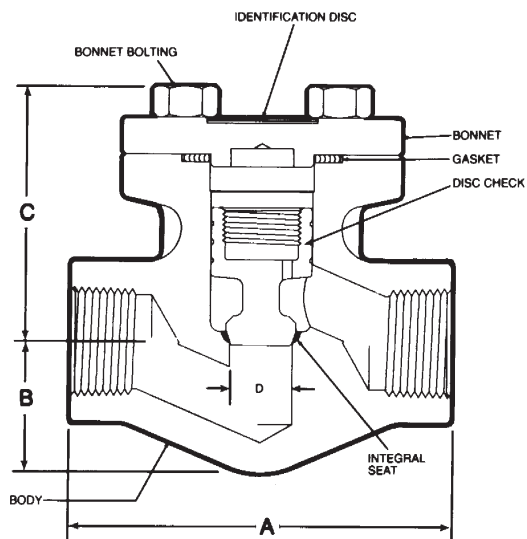
3705 PSI @ 100°F (255.5 BAR @ 38°C)

For other ratings see pgs. 112-115

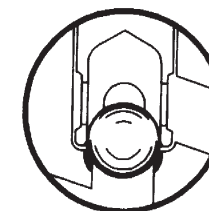
A105 Body/Bonnet

SERIES NUMBER

Threaded	Socket Weld
15701	SW15701
	Trim: 13% Cr.
	Seat: HF
15701FHF	SW15701FHF
	Trim: 13% Cr.
	Disc/Seat: HF
B15701	SWB15701
	Trim: 18% Cr. Ball
	Seat: HF



- Round Bolted Bonnet
- Spiral Wound Gasket
- Horizontal Type
- Piston Check/Ball Check
- Integral Hard Faced Seat
- ASME B16.34



Ball Check

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50
A-End-to-End		4.50 114	4.50 114	6.25 159	7.75 197	7.75 197	9.00 229
B		1.56 40	1.56 40	2.25 57	2.69 68	2.69 68	3.50 89
C		3.06 78	3.06 78	4.41 112	5.03 128	5.03 128	6.12 155
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.12 28.4	1.12 28.4	1.38 35.1
Weight		7.1 3.2	6.9 3.1	18.5 8.4	29.9 13.6	29.5 13.4	54.4 24.7

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix NN.

Forged Check Valves – For Oil Hydraulic Service

Class 1690 (PN 290)

Conventional Port

4225 PSI @ 100°F (291.4 BAR @ 38°C)

For other ratings see pgs. 112-115

A105 Body/Bonnet

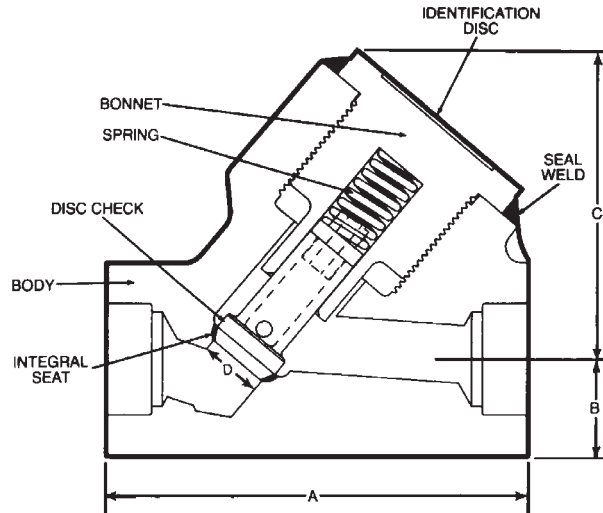
SERIES NUMBER

Threaded Socket Weld
1610 **SW1610**
 Trim: 13% Cr. (302 SS Spring)
 Disc/Seat: HF

F22 Cl 3 (2 1/4% Cr.) Body/Bonnet

SERIES NUMBER

Threaded Socket Weld
1622 **SW1622**
 Trim: 13% Cr. (302 SS Spring)
 Disc/Seat: HF



- Welded Bonnet
- “Y” Pattern
- Horizontal or Vertical Upward Flow
- Spring Control
- Hard Faced Piston Check
- Integral Hard Faced Seat
- ASME B16.34 LTD Pressure Class

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/2 15	3/4 20	1 25	1-1/2 40	2 50
A-End-to-End		4.00 102	4.00 102	5.12 130	7.50 190	7.50 190
B		.81 21	.81 21	1.16 30	1.69 43	1.69 43
C		2.75 70	2.75 70	3.72 94	5.03 128	5.03 128
D-Seat Diameter		.50 12.7	.50 12.7	.75 19.1	1.53 38.9	1.53 38.9
Weight		4.1 1.9	4.0 1.8	9.1 4.1	23.2 10.4	23.0 10.4

Refer to pages 116-120 for full materials description.

Y PATTERN CHECK
 LTD CLASS 1690 (PN 290)
 1610, 1622

Forged Check Valves – For Air, Water & Oil Service

Class 2680 (PN 460)

Full Port

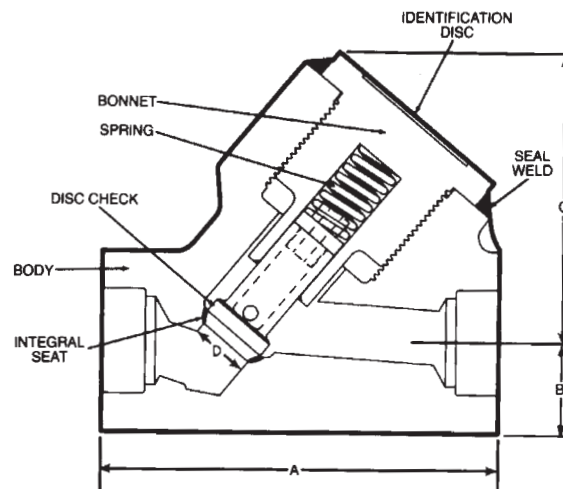
SW: 6700 PSI @ 100°F (462.1 BAR @ 38°C)

THD: 6250 PSI @ 100°F (431.0 BAR @ 38°C)*

For other ratings see pgs. 112-115

SERIES NUMBER

Body/Bonnet	Threaded*	Socket Weld
A105	2610	SW2610 Trim: 13% Cr. (302 SS Spring) Disc/Seats: HF
F11, Cl. 2 (1-1/4% Cr.)	2611	SW2611 Trim: 13% Cr. (302 SS Spring) Disc/Seats: HF
F22, Cl. 3 (2-1/4% Cr.)	2622	SW2622 Trim: 13% Cr. (302 SS Spring) Disc/Seats: HF



- Welded Bonnet
- "Y" Pattern
- Horizontal or Vertical Upward Flow
- Spring Control
- Hard Faced Piston Check
- Integral Hard Faced Seat
- ASME B16.34 LTD Pressure Class

*Threaded valves limited to Class 2500 Applications under ASME B16.34. See 2500 LTD Class Press/Temp tables, pages 112-115.

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/2	3/4	1	1-1/2	2
	DN	15	20	25	40	50
A-End-to-End		4.00 102	5.12 130	5.12 130	8.25 210	8.25 210
B		.81 21	1.16 29	1.16 29	1.94 49	1.94 49
C		2.75 70	3.75 95	3.75 95	5.38 137	5.38 137
D-Seat Diameter		.50 12.7	.75 19.1	.75 19.1	1.53 38.9	1.53 38.9
Weight		4.0 1.8	9.1 4.1	9.1 4.1	36.0 16.3	33.2 15.1

Refer to pages 116-120 for full materials description.

Forged Check Valves – For Oil Hydraulic Service

Type 3000

3000 PSI @ 100°F (206.9 BAR @ 38°C)

NON-SHOCK PRESSURE

Temperature not to exceed 450°F.

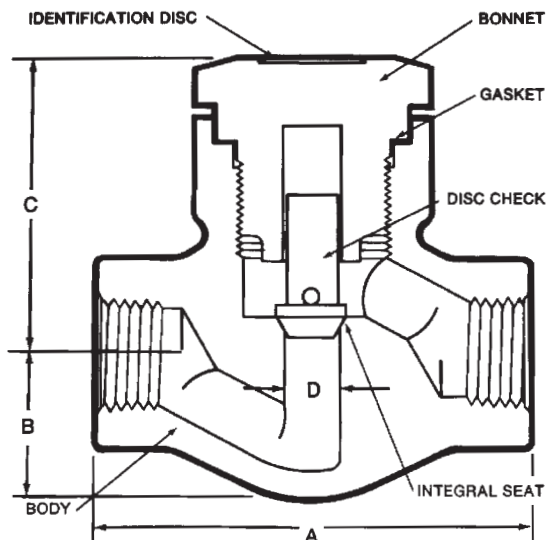
Not recommended for steam or dry gas service.

A105 Body/Bonnet

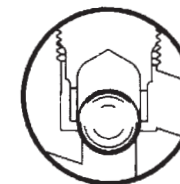
SERIES NUMBER

Threaded Socket Weld
1551 **SW1551**
 Trim: 13% Cr.

B1551 **SWB1551**
 (1/4 - 3/4 Only) Trim: 18% Cr. Ball



- Screw Bonnet
- Flat Gasket Joint
- Horizontal Type
- Piston Check
- Integral Seat



Ball Check

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS DN	1/4 8	3/8 10	1/2 15	3/4 20	1 25	1-1/4 32	1-1/2 40	2 50
A-End-to-End		3.12 79	3.12 79	3.38 86	4.00 102	5.00 127	6.25 159	6.75 170	8.25 210
B		.94 24	.94 24	1.12 28	1.50 38	1.75 44	2.38 60	2.69 68	3.12 79
C		2.69 68	2.69 68	2.81 71	3.50 89	3.81 97	3.88 99	4.25 108	4.75 121
D-Seat Diameter		.50 12.7	.50 12.7	.50 12.7	.56 14.2	.81 20.6	1.06 27.0	1.28 32.5	1.53 38.9
Weight		2.4 1.1	2.4 1.1	3.7 1.7	6.0 2.7	8.7 3.9	13.7 6.2	21.7 9.8	34.5 15.7

Refer to pages 116-120 for full materials description.

For Cv factors see page 123, Valve Matrix SS.

Forged Check Valves – For Air, Water & Oil Service

Type 3000

3000 PSI @ 100°F (206.9 BAR @ 38°C)

NON-SHOCK PRESSURE

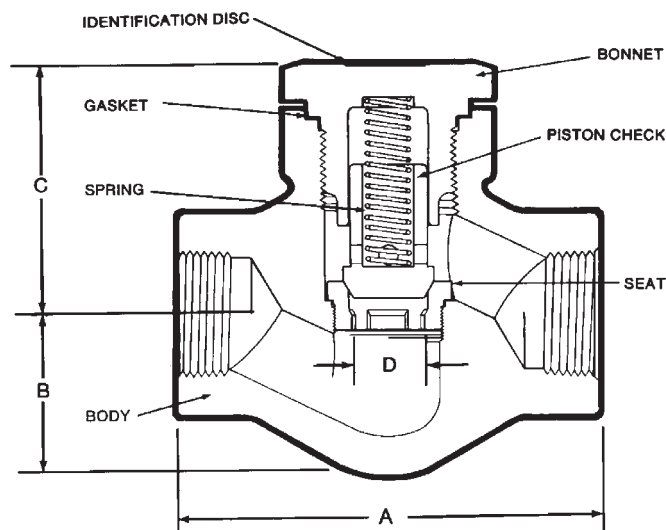
Temperature not to exceed 450°F.

Not recommended for steam service.

A105 Body/Bonnet

SERIES NUMBER

Threaded	Socket Weld
2191	SW2191
	Trim: 13% Cr.



- Screw Bonnet
- Flat Gasket Joint
- Horizontal or Vertical
- Upward Flow
- Spring Control
- Piston Check
- Renewable Seat

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
	DN	8	10	15	20	25	32	40	50
A-End-to-End		3.12 79	3.12 79	3.38 86	4.00 102	5.00 127	6.25 159	6.75 170	8.25 210
B		.94 24	.94 24	1.12 28	1.50 38	1.75 44	2.38 60	2.69 68	3.12 79
C		2.75 70	2.75 70	3.00 76	3.50 89	3.81 97	3.81 97	4.25 108	4.94 125
D-Seat Diameter		.39 9.9	.39 9.9	.39 9.9	.50 12.7	.72 18.3	.97 24.6	1.19 30.2	1.44 36.6
Weight		2.5 1.1	2.4 1.1	3.5 1.6	5.8 2.6	8.7 3.9	13.5 6.1	20.8 9.4	34.5 15.7

Refer to pages 116-120 for full materials description.

Forged Check Valves – For Air, Water & Oil Service

Type 6000

NON-SHOCK PRESSURE

6000 PSI @ 100°F (413.8 BAR @ 38°C)

Full Port

Temperature not to exceed 450°F.

Not recommended for steam service.

A105 Body/Bonnet

SERIES NUMBER

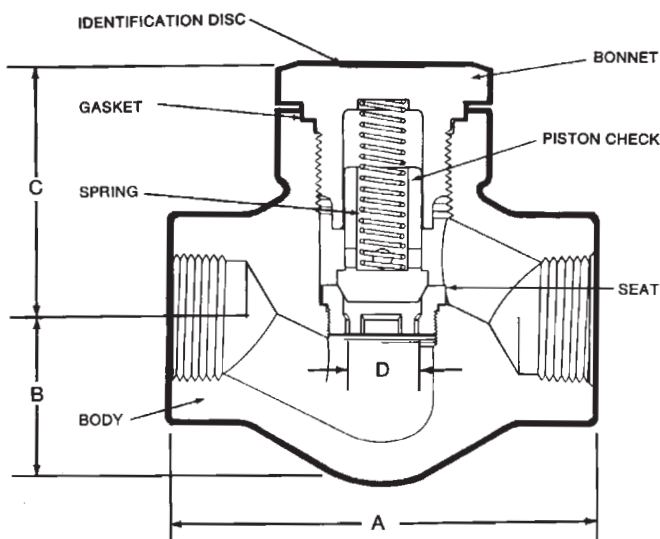
Threaded

4881

Socket Weld

SW4881

Trim: 13% Cr.



- Screw Bonnet
- Flat Gasket Joint
- Horizontal or Vertical Upward Flow
- Spring Control
- Piston Check
- Renewable Seat

Dimensions

Bold face numerals are in inches and pounds.
Blue numerals are in millimeters and kilograms.

Size	NPS	1/2	3/4	1	1-1/4	1-1/2	2
	DN						
A-End-to-End		4.00 102	5.00 127	6.25 159	6.75 170	8.25 210	8.50 216
B		1.50 38	1.75 44	2.38 60	2.69 68	3.12 79	3.38 86
C		3.12 79	3.62 92	3.88 99	4.44 113	4.75 121	5.88 149
D-Seat Diameter		.39 9.9	.50 12.7	.72 18.3	.97 24.6	1.19 30.2	1.44 36.6
Weight		5.7 2.6	7.2 3.3	14.5 6.6	23.4 10.6	36.9 16.8	51.9 23.6

Refer to pages 116-120 for full materials description.