

# Stainless Steel Pipe System

## VIC-PRESS 316™

The Victaulic® Vic-Press 316™ System for joining approved Type 316/316L stainless steel pipe provides a fast, easy, clean, reliable means for joining ½" / 15mm, ¾" / 20mm, 1" / 25mm, 1½" / 40mm, and 2" / 50mm stainless steel pipe. Vic-Press 316 products and Type 316/316L stainless steel pipe are designed for pressure service to 300psi / 2065 kPa or ANSI Class 150 (except steam, according to standard temperature /pressure charts, below) for water, oil, noncombustible gaseous and general chemical services. Refer to o-ring selection data for the intended service. The system requires no flame as with welding; no cutting oil, chips or preparation time as with threading or flanging. Stainless steel pipe is cut to size, inserted into the coupling and the coupling pressed onto the pipe and fitting in seconds.

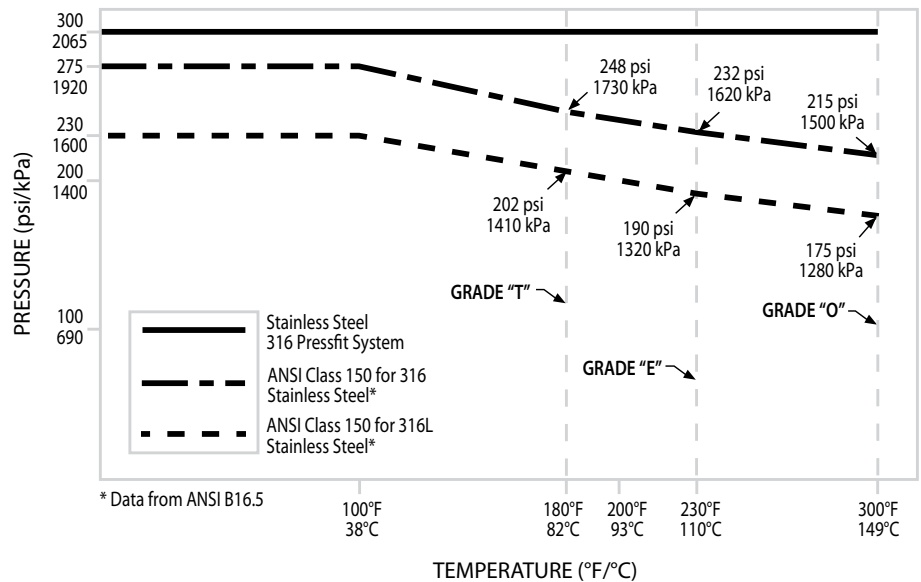


The system is approved by the American Bureau of Shipping (ABS) for all water services including fire protection. It meets the hanging requirements of ASME B31.1, B31.3 and B31.9. Only approved Vic-Press 316 pipe must be used with Vic-Press 316 stainless steel products.

Type 316/316L Pressfit couplings, fittings and approved pipe are UL classified in accordance with ANSI/NSF 61 for cold +86°F/+30°C and hot +180°F/+82°C potable water service.

**For product installation instructions, refer to Pressfit Product Assembly Instructions (I-500) and the appropriate Tool Operating and Maintenance Instructions Manual.**

### PERFORMANCE



#### JOB/OWNER

System No. \_\_\_\_\_  
 Location \_\_\_\_\_

#### CONTRACTOR

Submitted By \_\_\_\_\_  
 Date \_\_\_\_\_

#### ENGINEER

Spec Sect \_\_\_\_\_ Para \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Date \_\_\_\_\_

## Stainless Steel Pipe System

VIC-PRESS 316™

### MATERIAL SPECIFICATIONS

**Housing Body:** Precision cold drawn Type 316/316L stainless steel.

**Threaded Outlets:** Stainless steel bar conforming to ASTM A-276, Grade 316L, or stainless steel pipe conforming to ASTM A-312, Grade 316L.

**Plain End or Grooved End Products:** Stainless steel pipe conforming to ASTM A-312, Grade 316L.

**Flanges for Style 575:** ANSI Class 150, Grade 316L.

**O-Ring Seals:** (Specify choice on order) O-ring seals shall be molded of synthetic rubber.

- **Grade "E" EPDM**

EPDM (Green color code). Temperature range  $-30^{\circ}\text{F}$  to  $+230^{\circ}\text{F}$ / $-34^{\circ}\text{C}$  to  $+110^{\circ}\text{C}$ . Recommended for hot water service within the specified temperature range plus a variety of dilute acids, compressed air and many chemical services. UL classified in accordance with ANSI/NSF 61 for cold  $+86^{\circ}\text{F}/+30^{\circ}\text{C}$  and hot  $+180^{\circ}\text{F}/+82^{\circ}\text{C}$  potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES. NOT RECOMMENDED FOR STEAM SERVICES.

- **Grade "T" nitrile**

Nitrile (Orange color code). Temperature range  $-20^{\circ}\text{F}$  to  $+180^{\circ}\text{F}$ / $-29^{\circ}\text{C}$  to  $+82^{\circ}\text{C}$ . Recommended for petroleum products, vegetable and mineral oils within the specified temperature range; except hot, dry air over  $+140^{\circ}\text{F}/+60^{\circ}\text{C}$  and water over  $+150^{\circ}\text{F}/+66^{\circ}\text{C}$ . NOT RECOMMENDED FOR HOT WATER SERVICES.

- **Grade "O" fluoroelastomer**

Fluoroelastomer (Blue color code). Temperature range  $+20^{\circ}\text{F}$  to  $+300^{\circ}\text{F}$ / $-7^{\circ}\text{C}$  to  $+149^{\circ}\text{C}$ . Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids and air with hydrocarbons.

\* Services listed are General Service Recommendations only. It should be noted that there are services for which these o-rings are not recommended. Reference should always be made to the latest Victaulic Gasket Selection Guide for specific o-ring service recommendations and for a listing of services which are not recommended.

WARNING


**WARNING**

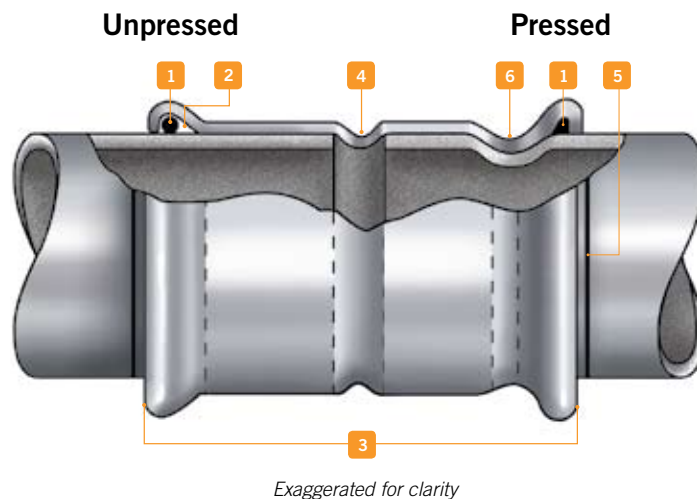
- **Pressfit products must only be used on services compatible with o-ring and fitting materials. Incompatible services may result in leakage. For services not listed or special services, contact Victaulic for recommendations.**

# Stainless Steel Pipe System

VIC-PRESS 316™

## PRESSFIT COMPONENTS

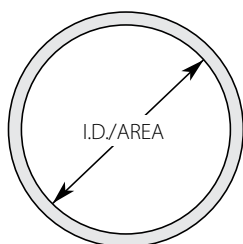
- 1 O-RING
- 2 O-RING POCKET
- 3 HOUSING
- 4 PIPE STOP
- 5 INSERTION MARK
- 6 TOOL INDENT



## FRICTION LOSS

Size		Flow Rate GPM/LPM	Friction Loss – (psi Per Ft./ kPa/m) C = 120				
Nom. Size Inches mm	Actual Out. Dia. Inches mm		Sch. 5	Schedule 10		Schedule 40	
				psi/Ft. kPa m	Higher	psi/Ft. kPa m	Higher
½ 15	0.840 21.3	15 56.8	0.5000 11.3	0.6430 14.6	22%	0.9510 21.5	90%
¾ 20	1.050 26.7	25 94.6	0.3713 8.4	0.4510 10.2	21%	0.6351 14.4	71%
1 25	1.315 33.7	40 151.4	0.2584 5.9	0.3773 8.5	46%	0.4691 10.6	82%
1½ 40	1.900 48.3	120 454.2	0.2800 6.3	0.3592 8.1	28%	0.4445 10.1	59%
2 50	2.375 60.3	150 567.8	0.1330 3.0	0.1616 3.7	22%	0.1989 4.5	50%

## FLOW AREA



Schedule 5 stainless steel pipe provides larger flow area and greater capacity frequently permitting pipe downsizing.

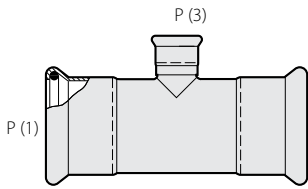
Size		Sch. 5	Available Flow Area (Sq. Inches/mm <sup>2</sup> )			
Nom. Size Inches mm	Actual Out. Dia. Inches mm		Schedule 10		Schedule 40	
			Flow Area	Less	Flow Area	Less
½ 15	0.840 21.3	0.396 255.4	0.357 230.3	10%	0.304 196.1	23%
¾ 20	1.050 26.7	0.655 422.5	0.614 396.0	8%	0.533 343.8	20%
1 25	1.315 33.7	1.103 711.4	0.945 609.5	14%	0.864 557.3	22%
1½ 40	1.900 48.3	2.461 1587.3	2.222 1433.2	10%	2.036 1313.2	17%
2 50	2.375 60.3	3.960 2554.2	3.650 2354.3	8%	3.360 2167.2	15%

# Stainless Steel Pipe System

VIC-PRESS 316™

## Dimensional Information

Products in the Vic-Press 304/316 System have unique center-to-end or end-to-end dimensions which incorporate specific, uniform "takeout" dimensions for easy fabrication calculations. Use of threaded products employing special features such as probes, escutcheon cups, etc., should be checked to be certain the thread standard and length of insertion are compatible with fitting dimensions. Failure to verify dimensional suitability in advance may result in difficulties in assembly

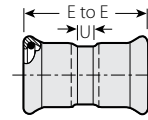


### END TYPE CODE

- P = Pressfit
- F = Female Pipe Thread
- M = Male Pipe Thread
- T = Plain End
- L = Flanged
- G = Grooved
- W = Welded

## Standard Coupling

STYLE 507 (P x P)



STYLE 597

Size		Dimensions – Inches/mm		Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	E to E	U Takeout	Lbs. kg
½ 15	0.840 21.3	2.00 51	0.35 9	0.1 0.1
¾ 20	1.050 26.7	2.17 55	0.28 7	0.2 0.1
1 25	1.315 33.7	2.44 62	0.39 10	0.2 0.1
1½ 40	1.900 48.3	3.15 80	0.32 8	0.5 0.2
2 50	2.375 60.3	3.94 100	0.33 8	0.7 0.3

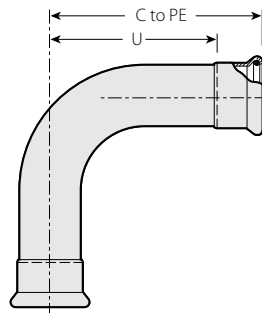
## Elbows

STYLE 570 90° Elbow (P x P)

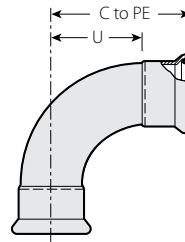
STYLE 568 Short Tangent 90° Elbow (P x P)

90° Elbow (P x P)

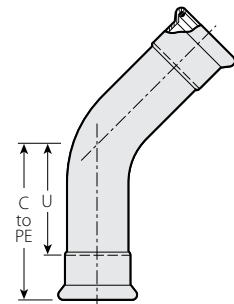
STYLE 571 45° Elbow (P x P)



STYLE 570



STYLE 568



STYLE 571

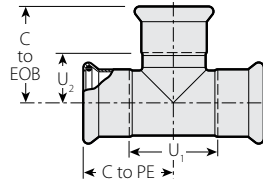
Size		Style 570 90° Elbow			Style 568 Short Tangent 90° Elbow			Style 571 45° Elbow		
Nominal Size Inches mm	Actual Outside Diameter Inches mm	C to PE Inches mm	U Takeout Inches mm	Approx. Weight Each Lbs. kg	C to PE Inches mm	U Takeout Inches mm	Approx. Weight Each Lbs. kg	C to PE Inches mm	U Takeout Inches mm	Approx. Weight Each Lbs. kg
½ 15	0.840 21.3	2.67 68	1.88 48	0.3 0.1	—	—	—	1.65 42	0.82 21	0.2 0.1
¾ 20	1.050 26.7	3.43 87	2.48 63	0.4 0.2	2.83 72	1.88 48	0.3 0.2	2.44 62	1.50 38	0.3 0.1
1 25	1.315 33.7	4.33 110	3.31 84	0.6 0.3	3.36 85	2.34 59	0.5 0.2	3.11 79	2.09 53	0.5 0.2
1½ 40	1.900 48.3	6.73 171	5.32 135	1.4 0.6	4.60 117	3.19 81	1.0 0.5	5.00 127	3.59 91	1.3 0.6
2 50	2.375 60.3	8.19 208	6.38 162	2.3 1.0	5.71 145	3.90 99	1.5 0.7	6.02 153	4.22 107	2.0 0.9

# Stainless Steel Pipe System

VIC-PRESS 316™

## Tee

STYLE 572 (P × P × P)

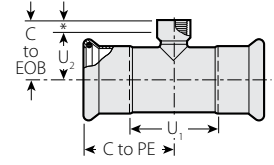


STYLE 572

Size		Dimensions – Inches/mm				Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to PE	U <sub>1</sub>	C to EOB	U <sub>2</sub>	Lbs. kg
½ 15	0.840 21.3	1.40 36	1.04 26	1.60 41	0.72 18	0.2 0.1
¾ 20	1.050 26.7	1.89 48	1.89 48	1.89 48	0.95 24	0.3 0.1
1 25	1.315 33.7	2.11 54	2.17 55	2.15 55	1.13 29	0.4 0.2
1½ 40	1.900 48.3	2.76 70	2.69 68	2.80 71	1.39 35	0.9 0.4
2 50	2.375 60.3	3.39 86	3.17 81	3.62 92	1.81 46	1.4 0.6

## Tee with Threaded Branch

STYLE 578 (P × P × F)

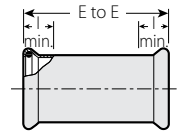


STYLE 578

Size			Dimensions – Inches/mm				Approx. Wgt. Each
Nominal Size Inches mm			C to PE	U <sub>1</sub>	C to EOB	U <sub>2</sub>	Lbs. kg
½ 15	× ½ 15	× ½ 15	1.50 38	1.35 34	1.50 38	0.97 25	0.2 0.1
¾ 20	× ¾ 20	× ½ 15	1.89 48	1.89 48	1.64 42	1.11 28	0.3 0.2
		× ¾ 20	1.89 48	1.89 48	1.71 43	1.16 29	0.4 0.2
1 25	× 1 25	× ½ 15	2.11 54	2.17 55	1.78 45	1.25 32	0.4 0.2
		× ¾ 20	2.11 54	2.17 55	1.85 47	1.30 33	0.5 0.2
		× 1 25	2.11 54	2.17 55	2.02 51	1.34 34	0.6 0.3
1½ 40	× 1½ 40	× ½ 15	2.76 70	2.69 68	2.07 53	1.54 39	0.8 0.4
		× ¾ 20	2.76 70	2.69 68	2.14 54	1.59 40	0.9 0.4
		× 1 25	2.76 70	2.69 68	2.31 59	1.63 40	0.9 0.4
2 50	× 2 50	× ½ 15	3.39 86	3.16 80	2.31 59	1.78 45	1.2 0.5
		× ¾ 20	3.39 86	3.16 80	2.38 60	1.83 46	1.3 0.6
		× 1 25	3.39 86	3.16 80	2.55 65	1.87 48	1.3 0.6

## Slip Coupling

STYLE 508 (P × P × P)



STYLE 508

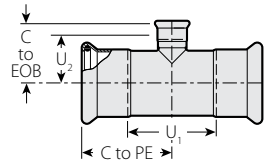
Size		Dimensions – Inches/mm		Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	E to E	I Min. Tube Insert	Lbs. kg
½ 15	0.840 21.3	3.31 84	1.00 25	0.1 0.1
¾ 20	1.050 26.7	3.54 90	1.00 25	0.2 0.1
1 25	1.315 33.7	3.94 100	1.00 25	0.3 0.1
1½ 40	1.900 48.3	4.72 120	1.00 25	0.6 0.3
2 50	2.375 60.3	5.51 140	1.25 32	0.9 0.4

# Stainless Steel Pipe System

VIC-PRESS 316™

## Tee with Reducing Branch

STYLE 573 (P × P × P)

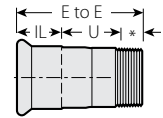


STYLE 573

Size		Dimensions – Inches/mm				Approx. Weight Each				
Nominal Size Inches	mm	C to PE	U <sub>1</sub>	C to EOB	U <sub>2</sub>	Lbs.				
						kg				
¾	20	¾	20	½	15	1.90	1.91	2.10	1.27	0.3
						48	48	53	32	0.1
1	25	1	25	½	15	2.10	2.15	2.30	1.47	0.3
						53	55	58	37	0.1
		¾	20	2.11	2.17	2.03	1.09	0.4		
				54	55	52	28	0.2		
1½	40	1½	40	½	15	2.76	2.69	2.60	1.77	0.6
						70	68	66	45	0.3
		¾	20	2.76	2.69	2.32	1.68	0.7		
				70	68	59	43	0.3		
2	50	2	50	½	15	3.39	3.17	2.80	1.97	1.2
						86	81	71	50	0.5
		¾	20	3.39	3.17	2.56	1.62	1.3		
				86	81	65	41	0.6		
1	25	3.39	3.17	2.68	1.66	1.1				
		86	81	68	42	0.5				
1½	40	3.39	3.17	3.03	1.62	1.3				
		86	81	77	41	0.6				

## Male Threaded Adapter

STYLE 576 (P × M)



STYLE 576

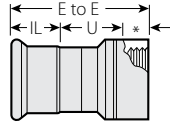
Size		Dimensions – Inches/mm			Approx. Weight Each		
Nominal Size Inches	mm	E to E	U Takeout	IL Insert. Length	Lbs.		
					kg		
½	15	½	15	0.83	2.32	0.2	
					59	21	0.1
¾	20	½	15	0.95	3.22	0.3	
					82	44	24
		¾	20	3.72	2.22	0.95	0.3
				94	56	24	0.1
1	25	1	25	0.95	3.22	0.4	
					82	41	24
1	25	¾	20	1.02	3.34	0.4	
					85	45	26
1	25	1	25	1.02	4.02	0.4	
					102	59	26
1½	40	¾	20	1.42	3.69	0.6	
					94	44	36
		1½	40	4.40	2.27	1.42	0.7
				112	58	36	0.3
2	50	2	50	1.81	5.03	1.0	
					128	62	46
2	50	2	50	1.81	5.03	1.0	
					128	62	46

# Stainless Steel Pipe System

VIC-PRESS 316™

## Female Threaded Adapter

STYLE 579 (P × F)

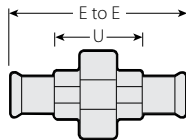


STYLE 579

Size	Dimensions – Inches/mm			Approx. Weight Each	
	Nominal Size Inches mm	E to E	U Takeout		IL Insert Length
½ × 15	½	2.15	0.79	0.83	0.2
	15	55	20	21	0.1
¾ × 20	½	2.20	0.71	0.95	0.2
	15	56	18	24	0.1
¾ × 20	¾	2.20	0.79	0.95	0.2
	20	56	20	24	0.1
1 × 25	½	2.30	0.75	1.02	0.4
	15	58	19	26	0.2
	¾	2.30	0.73	1.02	0.3
	20	58	19	26	0.1
1 × 25	1	2.40	0.75	1.02	0.4
	25	61	19	26	0.2
1½ × 40	1	2.96	0.92	1.42	0.8
	25	75	23	36	0.4
1½ × 40	1½	2.96	0.87	1.42	0.8
	40	75	22	36	0.4
2 × 50	1½	3.75	1.27	1.81	1.1
	40	95	32	46	0.5
2 × 50	2	3.75	1.27	1.81	1.0
	50	95	32	46	0.5

## Threaded Union

STYLE 585 (P × P)



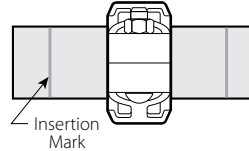
STYLE 585

Size	Actual Outside Diameter Inches mm	Dimensions – Inches/mm		Approx. Weight Each
		E to E	U Takeout	
½	0.840	7.02	5.27	2.80
	21.3	178	134	1.3
¾	1.050	7.14	5.14	3.50
	26.7	181	131	1.6
1	1.315	7.26	5.26	3.80
	33.7	184	134	1.7
1½	1.900	8.44	5.44	5.40
	48.3	214	138	2.4
2	2.375	8.38	4.67	6.10
	60.3	213	119	2.8

## Grooved End Union

STYLE 548

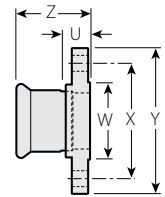
Request Publication 06.02 for Style 77 Flexible Joint  
 Request Publication 06.04 for Style 07 Rigid Joint  
 Request Publication 17.03/17.14 for Style 77S/475 Flexible Joints  
 Request Publication 17.25 for Style 489 Rigid Joints



- Style 548 grooved end union can be formed with two Style 577 transition nipples and a variety of grooved end couplings with varied gaskets to meet service requirements
- Standard ductile iron couplings request Style 77 for flexible joints or Style 07 for rigid joints
- Where external corrosion is a concern request Style 77S/475 for flexible joints or Style 489 for rigid joints

## Flange Adapter

STYLE 575 (P × L)



STYLE 575

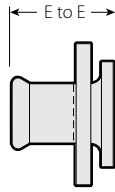
Size	Dimensions – Inches/mm						Approx. Weight Each
	Nominal Size Inches mm	Actual Out. Dia. Inches mm	U Takeout	W	X	Y	
½	0.840	2.39	1.38	2.38	3.50	3.22	2.3
	21.3	61	35	60	89	82	1.1
¾	1.050	2.27	1.69	2.75	3.88	3.22	1.7
	26.7	58	43	70	99	82	0.8
1	1.315	2.27	2.00	3.12	4.25	3.29	2.2
	33.7	58	51	79	108	84	1.0
1½	1.900	2.07	2.88	3.88	5.00	3.48	3.6
	48.3	53	73	99	127	88	1.6
2	2.375	1.80	3.62	4.75	6.00	3.60	5.4
	60.3	46	92	121	152	92	2.4

# Stainless Steel Pipe System

VIC-PRESS 316™

## Van Stone Flange Adapter

STYLE 566 (P × L)

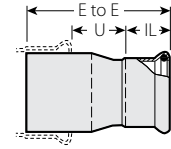


STYLE 566

Size		Dimensions		Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	E to E Inches mm		Lbs. kg
1/2 15	0.840	3.12		3.00
	21.3	79		1.4
3/4 20	1.050	3.17		3.30
	26.7	81		1.5
1 25	1.315	3.28		3.60
	33.7	83		1.6
1 1/2 40	1.900	3.64		5.00
	48.3	93		2.3
2 50	2.375	4.73		5.90
	60.3	120		2.7

## Reducer Insert

STYLE 583 (T × P)

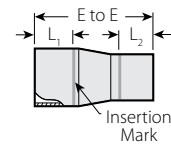


STYLE 583

Size		Dimensions – Inches/mm			Approx. Weight Each
Nominal Size Inches mm		E to E	U Takeout	IL Insertion Length	Lbs. kg
		1 25	3/4 20	2.95 75	0.98 25
2 50	1 1/2 40	4.33 110	1.11 28	1.42 36	0.6 0.3

## Concentric Reducer

STYLE 574 (T × T)

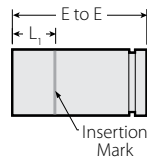


STYLE 574

Size		Dimensions – Inches/mm			Approx. Weight Each
Nominal Size Inches mm		E to E	L1 Minimum	L2 Minimum	Lbs. kg
		3/4 20	1/2 15	3.50 89	1.00 25
1 25	1/2 15	3.56 90	1.03 26	0.88 22	0.2 0.1
		3/4 20	3.56 90	1.03 26	1.00 25
1 1/2 40	1/2 15	4.25 108	1.44 37	0.88 22	0.3 0.1
		3/4 20	4.25 108	1.44 37	1.00 25
	1 25	4.25 108	1.44 37	1.03 26	0.4 0.2
2 50	1/2 15	5.00 127	1.81 46	0.88 22	0.6 0.3
		3/4 20	5.00 127	1.81 46	1.00 25
	1 25	5.00 127	1.81 46	1.03 26	0.6 0.3
		1 1/2 40	5.00 127	1.81 46	1.44 37

## Transition Nipple

STYLE 577 (G × T)



STYLE 577

Size		Dimensions – Inches/mm		Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	E to E	L1 Minimum	Lbs. kg
		3/4 20	1.050 26.7	4.00 102
1 25	1.315 33.7	4.00 102	1.00 25	0.3 0.1
		1 1/2 40	4.00 102	1.50 38
2 50	2.375 60.3	4.00 102	1.88 48	0.5 0.2

# Stainless Steel Pipe System

## VIC-PRESS 316™

### Vic-Press 316™ Type 316 Stainless Steel Ball Valve

#### SERIES 569



Series 569 Pressfit System Ball Valves feature full stainless steel body and trim, rated for service up to 300 psi/2065 kPa with Pressfit ends and up to 400 psi/2750 kPa with grooved ends, depending upon the joining coupling.

The valves are constructed of rugged Type 316 (CF8M) stainless steel with PTFE seats. The valves feature a blow-out proof stem and self-adjusting floating ball which provides uniform sealing. The full port design minimizes pressure drop for maximum flow efficiency. The three-piece swing-out design permits easy in-line maintenance.

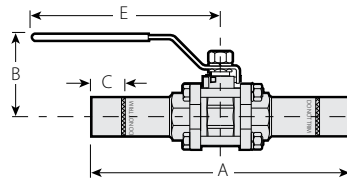
#### Repair Kits

Repair kits for replacing the ball and seals are available. Contact Victaulic for details.

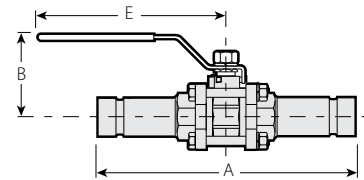
Size		Dimensions – Inches/mm				Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	A End to End	B	C	E	Lbs. kg
½*	0.840	7.98	2.36	0.88	5.12	1.5
15	21.3	200.0	59.9	22.4	130.0	0.7
¾	1.050	8.57	2.52	1.00	5.12	2.4
20	26.7	217.2	64.0	25.4	130.0	1.1
1	1.315	8.89	2.80	1.00	6.50	3.6
25	33.7	225.8	71.1	25.4	165.1	1.6
1½	1.900	11.20	3.39	1.50	7.48	6.9
40	48.3	284.5	86.1	38.1	190.0	3.1
2	2.375	12.52	3.74	1.88	7.48	9.5
50	60.3	318.0	95.0	47.8	190.0	4.3

For dimensions and weights with gear operator contact Victaulic.

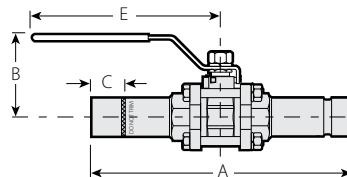
\*½/15 mm only available in plain end x plain end (T x T).



PLAIN END X PLAIN END



GROOVED X GROOVED



PLAIN END X GROOVED

## Stainless Steel Pipe System

VIC-PRESS 316™

### SERIES 569 MATERIAL SPECIFICATIONS

**Body:** Stainless steel, CF8M**Ball:** Stainless steel, CF8M**Stem:** Stainless steel, Type 316**Seats:** (PTFE) Polytetrafluoroethylene**Handle:** Stainless steel, Type 304**Stem Nut:** Stainless steel, Type 304**Stem Washer:** Stainless steel, Type 304**Stem Packing and Thrust Washer:** Tetrafluoroethylene**Bolt/Nut/Washer:** Stainless steel, Type 304**Cap:** Stainless steel, CF8M**Extended Ends:** Schedule 5S Stainless steel, Type 316**Specify end style:**

- Plain End for Pressfit (T x T)
- Grooved End (G x G)
- Plain End x Grooved End (T x G)

WARNING



### WARNING

- Pressfit products must be used only on services compatible with o-ring and fitting material. Incompatible services may result in leakage. For services not listed or special services, contact Victaulic for recommendations.

### SERIES 569 REPAIR KITS

Repair kits and replacement parts are available for the Series 569 valve.

The Repair Kit consists of two seats, two gaskets, one stem seal and one thrust washer, all made of PTFE.

A replacement ball of CF8M stainless steel is also available.

For replacement stem information, contact Victaulic.

Size		Repair Kit	Replacement Ball
Nominal Size Inches mm	Actual Out. Dia. Inches mm	Part No.	Part No.
½ 15	0.840 21.3	K-004-569-001	K-004-569-000
¾ 20	1.050 26.7	K-006-569-001	K-006-569-000
1 25	1.315 33.7	K-010-569-001	K-010-569-000
1½ 40	1.900 48.3	K-014-569-001	K-014-569-000
2 50	2.375 60.3	K-020-569-001	K-020-569-000

## Stainless Steel Pipe System

### VIC-PRESS 316™

#### APPROVED PIPE

For stainless steel pipe approved for use with the Vic-Press 316™ System, contact Victaulic or your nearest Pressfit Stainless Steel distributor.

Approved pipe carries the label, **Vic-Press 316™ pipe certified for use with Vic-Press 316 products.**

**For product installation instructions, refer to Pressfit Product Assembly Instructions (I-500) and the appropriate Tool Operating and Maintenance Instructions Manual.**

Nominal Size	*Pipe – Inches/mm		Aprx. Pipe* Weight Per Ft.
	Actual Outside Dia.	Wall Thickness	Lbs. kg
½	0.840	0.065	0.6
	21.3	1.7	0.3
¾	1.050	0.065	0.7
	26.7	1.7	0.3
1	1.315	0.065	0.9
	33.7	1.7	0.4
1½	1.900	0.065	1.3
	48.3	1.7	0.6
2	2.375	0.065	1.6
	60.3	1.7	0.7

\*Pipe is supplied in random mill lengths (RML) (17 – 24 ft.) which nominally measure 21 ft. Order quantities will be accepted only in 21 ft. random length increments, subject to industry standard ±10% tolerance. Minimum footage requirements must be specified on the order when required.

#### Pressfit Tools



PFT505



#### PFT505

- The Pressfit System requires a Pressfit tool designed for securing Pressfit products onto pipe
- Jaws are available separately for rental (with rental tool) or purchase
- Pressfit tool is designed for industrial and trade use only

**Capacity:** ½ – 2"/15 – 50 mm IPS Schedule 5 steel and stainless steel pipe

**Power Requirements:** 110 volt, 60cycle, 6.5amp

**Accessories:** Pressing jaws in ½"/15mm, ¾"/20 mm, 1"/25 mm, 1 ½"/40 mm and 2"/50mm sizes

**Note:** PFT505 and PFT509 components are not interchangeable



PFT509

#### PFT509

- The Pressfit System requires a Pressfit tool designed for securing Pressfit products onto pipe
- Tool packages include the actual pressing tool, two (2) batteries and a charger, carrying case, and ½"/15 mm, ¾"/20 mm, 1"/25 mm, and 1 ½"/40 mm press jaws
- Jaws are included with every tool purchase
- Pressfit tool is designed for industrial and trade use only
- Pressfit tool is battery powered and a 12V battery charger is included with tool purchase

**Capacity:** ½ – 1" and 1 ½"/15 – 25 mm and 40 mm IPS Schedule 5 steel and stainless steel pipe

**Power Requirements:** 110volt/60cycle/6.5amp

**Note:** PFT505 and PFT509 components are not interchangeable

# Stainless Steel Pipe System

VIC-PRESS 316™



**CAUTION**

- It is the responsibility of designers of piping systems to verify the suitability of Schedule 5 Type 316 stainless steel pipe for use with the intended fluid media. The fluid's chemical composition, pH level, operating temperature, chloride level, oxygen level and flow rate and their effect on AISI Type 316 stainless steel must be evaluated by the material specifier to confirm system life will be adequate for the intended service.

Failure to do so may cause serious personal injury or property damage.

## PIPE SUPPORT

Piping joined with Type 316 Pressfit System products, like all other piping systems, requires support to carry the weight of pipes and equipment. As for other methods of joining pipes, the support or hanging method must be such as to eliminate undue stresses on joints, piping and other components. Additionally, the method of support must be such as to allow movement of the pipes where required and to provide drainage, etc., as may be specified by the designer.

The maximum hanger spacing corresponds to ASME B31.1, B31.3 or B31.9 as noted and should be used in conjunction with Victaulic Pressfit System products on Approved Schedule 5 stainless steel pipe.

Pipe Size		Suggested Max. Span Between Supports - Feet/meters					
Nominal Size Inches mm	Actual Out. Dia. Inches mm	Water Service			Gas/Air Service		
		B31.1	B31.3	B31.9	B31.1	B31.3	B31.9
½ 15	0.840 21.3	6 1.8	6 1.8	7 2.1	8 2.4	8 2.4	7 2.1
¾ 20	1.050 26.7	7 2.1	7 2.1	8 2.4	9 2.7	9 2.7	8 2.4
1 25	1.315 33.7	7 2.1	7 2.1	9 2.7	9 2.7	9 2.7	9 2.7
1½ 40	1.900 48.3	7 2.1	7 2.1	12 3.7	9 2.7	9 2.7	13 4.0
2 50	2.375 60.3	10 3.1	10 3.1	13 4.0	13 4.0	13 4.0	15 4.6

## WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

## NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.



For complete contact information, visit [www.victaulic.com](http://www.victaulic.com)

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