



Oil Field

PIPING SYSTEMS

Piping. Systems. Solutions.



Worldwide leader
in mechanical pipe
joining solutions

Over 80 years of piping system innovation and technological advancement. We are Victaulic. The worldwide leader in grooved end piping system solutions for oil field, HVAC, fire protection, industrial, water/wastewater, and mining markets and applications.

Victaulic invented the grooved end system for pipe joining in 1925, and to this day our systems can be found at work the world over. With global offices in the US, Canada, Shanghai and Belgium, and a worldwide network of sales and service representatives, Victaulic works closely with system engineers, contractors, and owners to design and install mechanical piping systems that lower cost, improve productivity, reduce risk, and provide for future system expansion.



For oil field professionals

When it comes to innovative pipe system solutions for oil field applications, one name stands out: Victaulic. Victaulic grooved end piping system solutions deliver real benefits to oil field system design engineers, system installers, maintenance personnel and company owners alike. Benefits that cannot be found in flanged, threaded or welded systems.

The distinguishing feature of the Victaulic system is a roll or cut groove in the wellhead or service pipe end where the coupling and pipe engage to form a secure, dependable self-restraining joint. The result is a reliable, easily serviceable connection designed to handle pressure up to 2500psi/17250kPa, and capable of withstanding the temperature extremes found in oil field facilities.

The Victaulic system is a proven technology that delivers reliable, economical and maintenance friendly piping systems solutions for engineers, installers and company owners. And a name you can count on for all your oil system piping needs.



Benefits that save time and resources

QUICKER, EASIER INSTALLATIONS

On average, grooved end pipe joining is three to five times faster than welding, flanging or threading, thereby reducing the number of project man-days and the risks associated with time on the job.

LOWER FIRST COST, TOTAL INSTALLED COST

Over time, a Victaulic piping system is easier to service and maintain than traditional piping systems, and can be easily reconfigured to accommodate growth, thus saving time, labor and financial resources.

IMPROVED SAFETY

With no flame or joint compounds involved and less time needed for installations, operational personnel are subjected to fewer personal risks on the job.

FAST, EFFICIENT SYSTEM EXPANSION

Minor or major expansion projects are completed faster than with traditional mechanical or welded piping systems, reducing downtime when expanding the system or conducting routine maintenance.

DESIGN VERSATILITY/SCALABILITY

For engineers designing systems for oil field facilities, the Victaulic system offers a level of unmatched versatility and scalability, and more choices in the design phase.

SINGLE SOURCE RELIABILITY

A comprehensive product line designed specifically for oil field use is just a phone call away, and readily available at an authorized Victaulic oil field product distributor.

Technology backed by world class service and unmatched technical support

Our expertise in the oil market does not end with a superior product line. Victaulic Project Management Services provides a package of value added services that will enable you to construct your facility's piping system efficiently and economically.

table of contents

2	Solutions
4	Applications
6	Products
7	IPS Couplings
11	IPS Fittings
14	IPS Valves
22	IPS Accessories
24	Stainless Steel Piping
28	IPS Plain End Piping
29	HDPE Plain End Piping
32	Grooving Tools
32	Hole Cutting Tools



PROJECT MANAGEMENT SERVICES:

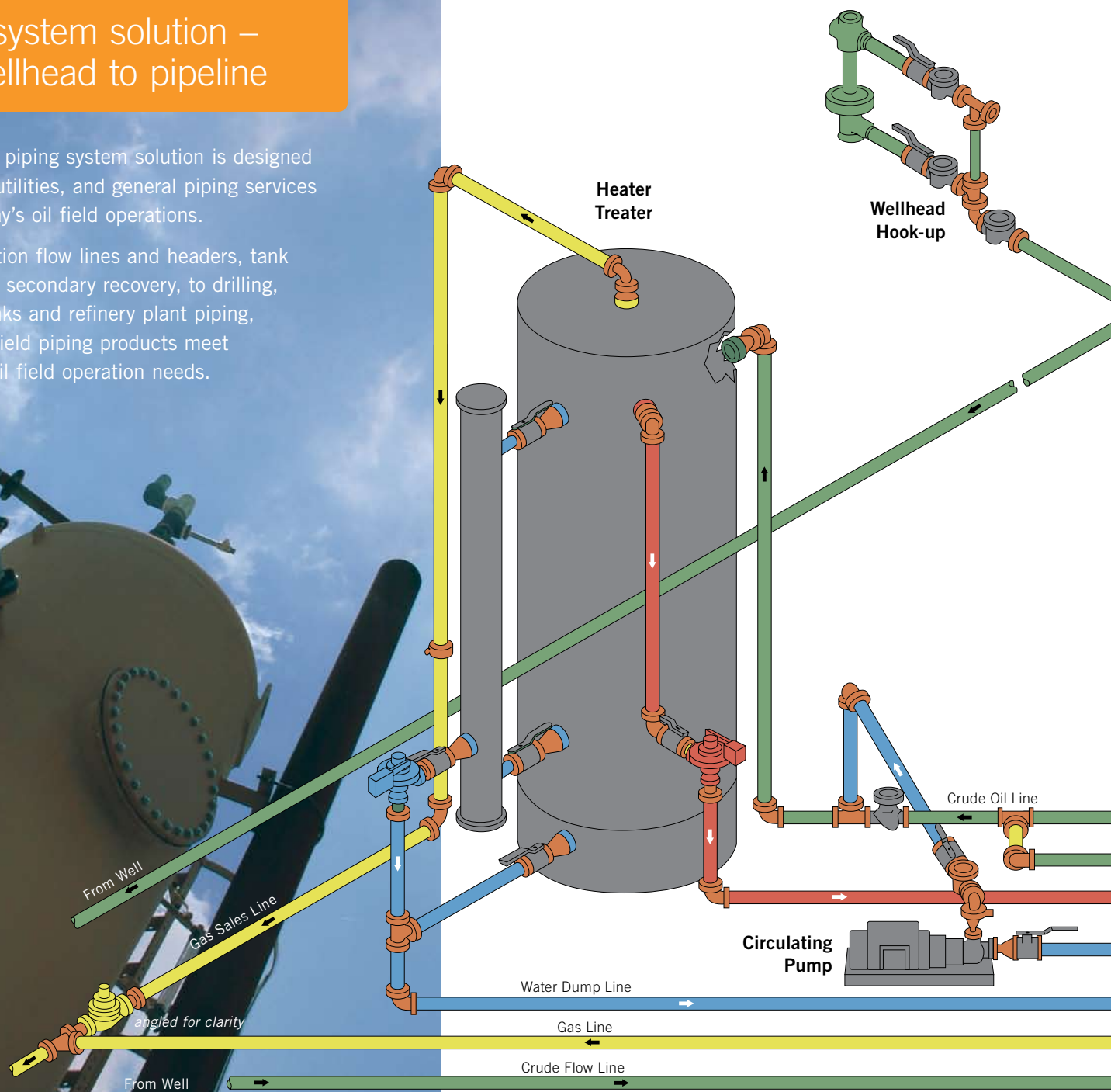
- Project estimating
- Project management services
- Drawing package services
- Bagged and tagged delivery
- Custom product design
- Field site visits
- Value analysis

Oil Field Market Solutions

A total system solution – from wellhead to pipeline

The Victaulic piping system solution is designed for process, utilities, and general piping services found in today's oil field operations.

From production flow lines and headers, tank batteries and secondary recovery, to drilling, collection tanks and refinery plant piping, Victaulic oil field piping products meet a variety of oil field operation needs.

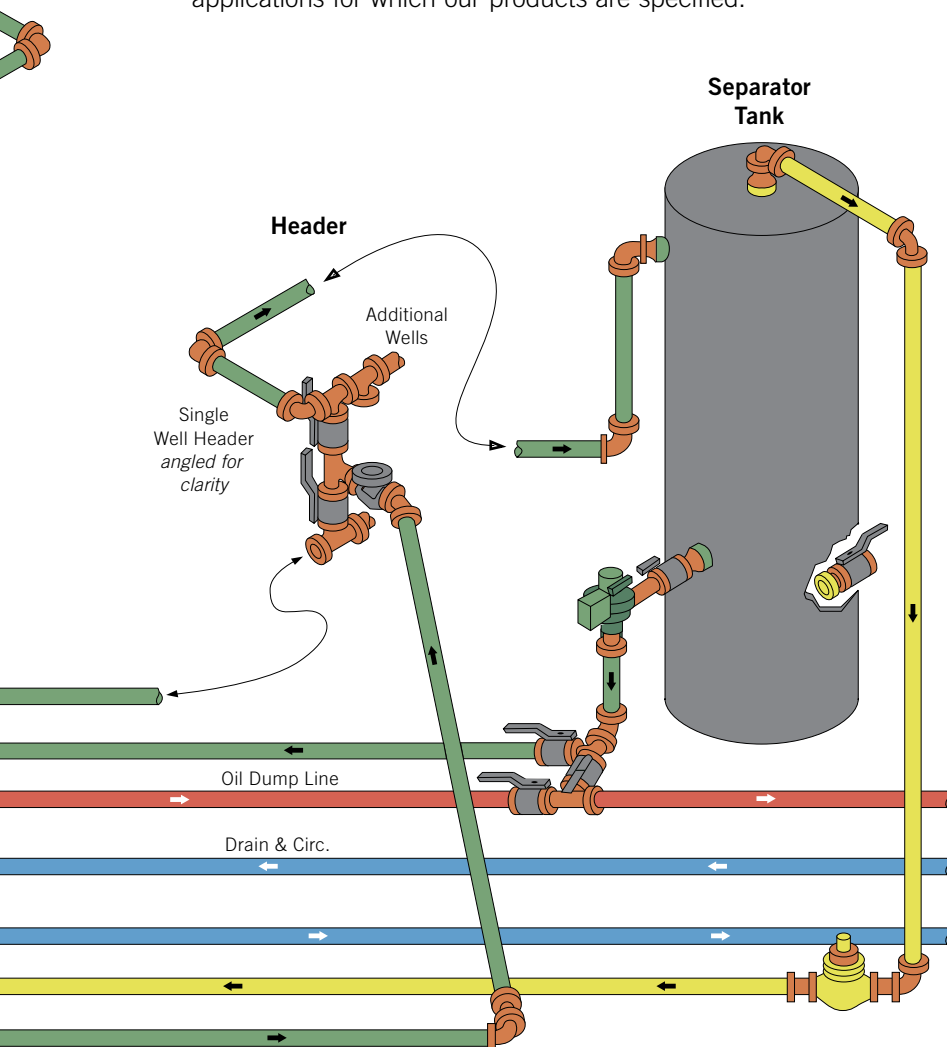




Services

One solution, many applications

The system diagram below shows a typical oil field piping and refining configuration, and more specifically the various crude, refined, gas, water and air piping applications for which our products are specified.



PRODUCTION

- Wellhead hookup
- Flow lines
- Production headers
- Produced water lines
- Separator/water knock-out
- Stock tanks
- Test tanks
- Heater treaters
- Gun barrel
- Free water knock-out
- Electric treater hookups

TANK BATTERIES

- Salt water disposal

AUTOMATION

- Automatic well test headers
- LACT units
- Net oil computers
- Meter runs

REFINERY/PLANT PIPING

- Water
- Air
- Vacuum original equipment

SECONDARY RECOVER

- Injection lines
- Plant piping
- Skim and volume tanks
- Suction/discharge manifolds

DRILLING

- Water supply
- Mud lines
- Desilters/desanders
- Cement lines

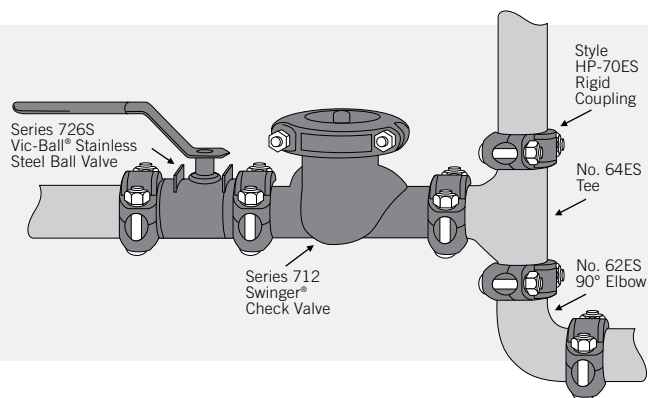
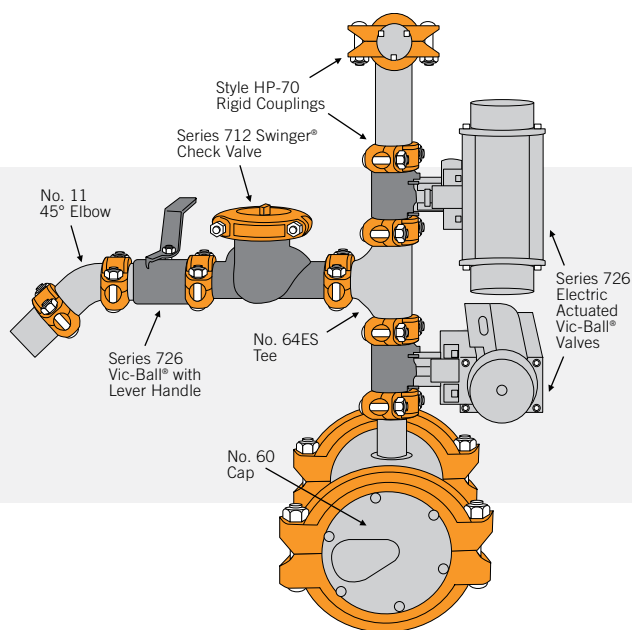
OFFSHORE PLATFORMS – DRILLING/PRODUCTION

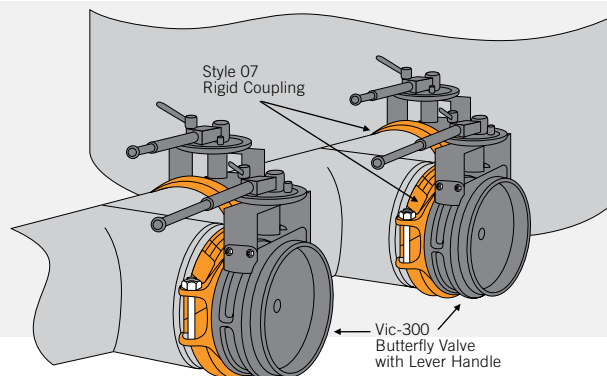
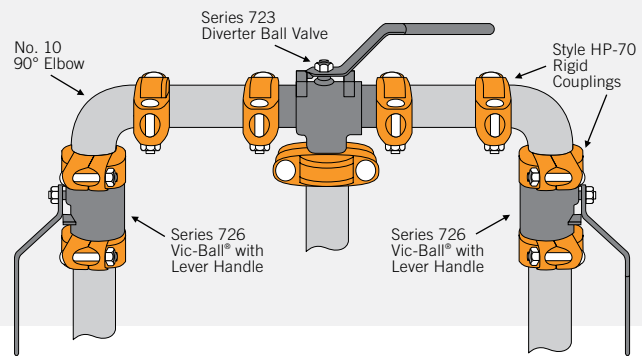
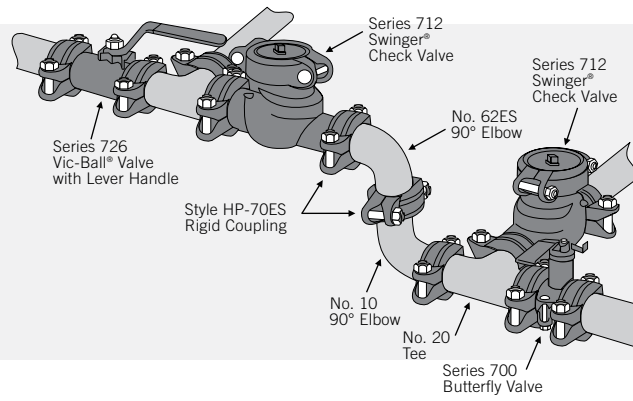
- Fire protection lines
- Deck drains
- Water manifolds
- Tank hook-ups
- Collection tank
- Dry cement lines
- Dry mud lines
- Mud lines
- Domestic water

Oil Field Market Applications

Victaulic is the only grooved piping manufacturer that offers a complete line of products for oil field services. The Victaulic grooved piping system installs faster than threaded or welded systems so you can get your system up and running sooner. And because there is a union at every joint, Victaulic systems offer ease of maintenance and quick changing of piping configurations when needed.

The following are examples of production header systems, tank batteries, process services and pressure service configurations which make use of Victaulic couplings, ES fittings, flange adapters and pre-grooved swing check, ball, plug and butterfly valves.





Victaulic Oil Field Products

Designed to meet the most demanding challenges

Our product offering is the most comprehensive in the industry, and meets virtually every oil field facility challenge. Our system of $\frac{3}{4}$ – 12"/50 – 300mm grooved couplings, fittings, and flow control devices, and special plain end HDPE products, is designed for transporting wet and dry mediums through standard, light wall or extra heavy carbon steel, aluminum, internally coated plastic, FRP, and stainless steel pipe.

Regardless of your specific need and application, you can count on Victaulic to provide you with a superior line of products and solutions to meet your most demanding challenges.



Plastic Coated Products

For sour crude and other corrosive services, Victaulic offers plastic coated fittings and valves, and the Style HP-70ES EndSeal coupling for plastic coated pipe. The fittings and valves are lined with a tough, polymer based plastic compound which protects the piping components and greatly extends their life cycle.

In the US, plastic coated products can be ordered through the Odessa, Texas distribution center by calling 915-332-4924, or by contacting your local Victaulic Sales Representative. Outside the US, contact your local Victaulic Sales Representative.

IPS COUPLINGS

Rigid Coupling

STYLE HP-70

Request Publication 06.12

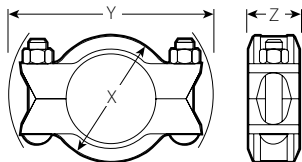


Size		Max. Work Pressure *	Max. End Load *	Allow. Pipe End Sep. *	Dimensions			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	X Inches mm	Y Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	1000 6900	4,430 19715	0.14 3.6	3.50 89	6.68 168	2.00 51	3.2 1.5
2½ 65	2.875 73.0	1000 6900	6,490 28881	0.14 3.6	4.13 105	7.13 181	2.00 51	4.0 1.8
3 80	3.500 88.9	1000 6900	9,620 42810	0.14 3.6	4.75 121	7.75 197	2.00 51	4.4 2.0
4 100	4.500 114.3	1000 6900	15,900 70755	0.25 6.4	6.00 152	9.63 245	2.13 54	7.5 3.4
6 150	6.625 168.3	1000 6900	34,470 153390	0.25 6.4	8.63 219	12.68 321	2.50 64	16.0 7.3
8 200	8.625 219.1	800 5500	46,740 207995	0.25 6.4	11.00 279	15.00 381	2.75 70	26.1 11.8
10 250	10.750 273.0	800 5500	72,640 323250	0.25 6.4	13.50 343	17.25 438	3.00 76	32.8 14.9
12 300	12.750 323.9	800 5500	102,000 453900	0.25 6.4	15.63 397	19.13 486	3.13 80	46.0 20.9

* Refer to General Notes below.



- Designed with heavy housing for high pressure services
- Housing key is wider than standard
- Coupling housing is designed to clamp the bottom of the groove
- Essentially rigid joint
- Pressure rated up to 1000 psi/6900 kPa
- Sizes from 2 – 12"/50 – 300 mm



TYPICAL 2 – 12"/50 – 300 mm SIZES

* GENERAL NOTES:

Working Pressure and **End Load** are total, from all internal and external loads, based on standard weight (ANSI) steel pipe, standard **roll** or **cut** grooved in accordance with Victaulic specifications. Contact Victaulic for performance on other pipe.

Warning: For one time field test only, the Maximum Joint Working Pressure may be increased to 1½ times the figures shown (except Style HP-70ES).

Allowable Pipe End Separation and **Deflection** figures show the maximum nominal range of movement available at each joint for standard **roll** grooved pipe. Figures for standard **cut** grooved pipe may be doubled. These figures are maximums; for design and installation purposes these figures should be reduced by: 50% for ¾ – 3½"/20 – 90 mm; 25% for 4"/100 mm and larger.

IPS COUPLINGS

Vic-Flange® Adapter ANSI Class 150

STYLE 741

Request Publication 06.06



- Directly incorporates ANSI Class 125 or Class 150 flanged components into a grooved system
- Pressure rated up to 300 psi/2065 kPa
- Sizes from 2 – 12"/50 – 300 mm

Size		Max. Work Pressure *	Max. End Load *	Sealing Surface		Dimensions		Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	A Max. Inches mm	B Min. Inches mm	W Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	300 2065	1,330 5920	2.38 60	3.41 87	6.75 172	0.75 19	3.1 1.4
2½ 65	2.875 73.0	300 2065	1,950 8680	2.88 73	3.91 99	7.88 200	0.88 22	4.8 2.1
3 80	3.500 88.9	300 2065	2,885 12840	3.50 89	4.53 115	8.44 214	0.94 24	5.3 2.4
4 100	4.500 114.3	300 2065	4,770 21225	4.50 114	5.53 141	9.94 252	0.94 24	7.4 3.4
5 125	5.563 141.3	300 2065	7,290 32440	5.56 141	6.71 171	11.00 279	1.00 25	8.6 3.9
165.1 mm	6.500 165.1	300 2065	9,960 44320	6.50 165	7.66 195	+	1.00 25	10.0 4.5
6 150	6.625 168.3	300 2065	10,350 46060	6.63 168	7.78 198	12.00 305	1.00 25	9.9 4.5
8 200	8.625 219.1	300 2065	17,500 77875	8.63 219	9.94 252	14.63 372	1.13 29	16.6 7.5
10 250	10.750 273.0	300 2065	27,215 121110	10.75 273	12.31 313	17.19 437	1.19 30	24.2 11.0
12 300	12.750 323.9	300 2065	38,285 170270	12.75 324	14.31 364	20.25 514	1.25 32	46.8 21.2

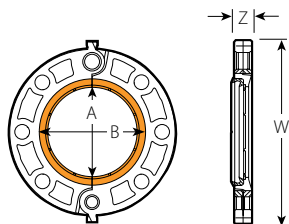
* Refer to Publication 06.06 for more details.

+ "W" dimension does not apply.

IMPORTANT NOTES:

Style 741 Vic-Flange adapters provide rigid joints when used on pipe with standard cut or roll groove dimensions and consequently allow no linear or angular movement at the joint. When used with Victaulic Series 700 butterfly valves, plastic pipe or lightwall metallic pipe, small teeth in I.D. of key section should be removed and may be used on one side of the valve. Contact Victaulic for information on AS2129 - Table E; ISO 2084 (PN10); DIN 2532 (PN10) and JIS B-2210 (10K) flanges. Total bolts required to be supplied by installer, may be ordered from Victaulic.

For restrictions on where and how Vic-Flange adapters and flange washers can be used, refer to Publication 06.06.



TYPICAL 2 – 12"/50 – 300 mm SIZES

Orange area of mating face must be free from gouges, undulations or deformities of any type for effective sealing.

IPS COUPLINGS

Vic-Flange Adapter ANSI Class 300

STYLE 743

Request Publication 06.06



Size		Max. Work Pressure *	Max. End Load *	Sealing Surface		Dimensions		Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	A Max. Inches mm	B Min. Inches mm	W Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	720 4960	3,190 14200	2.38 60	3.41 87	6.50 165	0.94 24	4.8 2.2
2½ 65	2.875 73.0	720 4960	4,670 20780	2.88 73	3.91 99	7.50 191	1.06 27	7.4 3.4
3 80	3.500 88.9	720 4960	6,925 30815	3.50 89	4.53 115	8.25 210	1.19 30	9.1 4.1
4 100	4.500 114.3	720 4960	11,445 50930	4.50 114	5.53 141	10.00 254	1.31 33	15.3 6.9
5 125	5.563 141.3	720 4960	17,500 77875	5.56 141	6.71 171	11.00 279	1.44 37	17.7 8.0
6 150	6.625 168.3	720 4960	24,805 110380	6.63 168	7.78 198	12.50 318	1.50 38	23.4 10.6
8 200	8.625 219.1	720 4960	42,045 187100	8.63 219	9.94 252	15.00 381	1.69 43	34.3 15.6
10 250	10.750 273.0	720 4960	65,315 290650	10.75 273	12.31 313	17.50 445	1.94 49	48.3 21.9
12 300	12.750 323.9	720 4960	91,880 408870	12.75 324	14.31 364	20.50 521	2.00 51	70.5 32.0

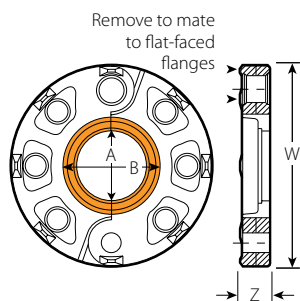
* Refer to Publication 06.06 for more details.

IMPORTANT NOTES:

Style 743 Vic-Flange must be ordered as a factory assembly when connected to a Victaulic fitting or valve. Contact Victaulic for details. Total bolts required to be supplied by installer, may be ordered from Victaulic.

For restrictions on where and how Vic-Flange adapters and flange washers can be used, refer to Publication 06.06.

- Permits direct connection of ANSI Class 300 flanged components into a grooved system
- Designed to mate with raised-face flanges, but can be used with flat-face flanges by removing the raised projections on the outside face of the flange
- Pressure rated up to 720 psi/4960 kPa
- Sizes from 2 – 12"/50 – 300 mm



TYPICAL FOR ALL SIZES

Orange area of mating face must be free from gouges, undulations or deformities of any type for effective sealing.

IPS COUPLINGS

EndSeal® Coupling for Plastic Coated Pipe

STYLE HP-70ES

Request Publication 06.13



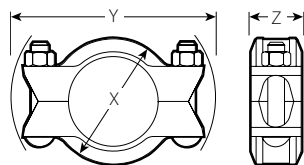
Size		Max. Work Pressure *	Max. End Load *	Allow. Pipe End Sep. *	Dimensions			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	X Inches mm	Y Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	2500 17250	11,000 48950	0.19 4.8	3.44 87	6.51 765	1.88 48	3.2 1.5
2½ 65	2.875 73.0	2500 17250	16,200 72090	0.19 4.8	4.00 102	7.10 180	1.88 48	4.0 1.8
3 80	3.500 88.9	2500 17250	25,400 113030	0.19 4.8	4.69 119	7.74 197	1.88 48	4.6 2.1
4 100	4.500 114.3	2500 17250	39,000 173550	0.19 4.8	5.94 151	9.54 242	2.13 54	8.2 3.7
6 150	6.625 168.3	2000 13800	68,800 306160	0.27 6.7	8.50 216	12.61 320	2.38 60	16.4 7.4
8 200	8.625 219.1	1500 10350	87,500 389375	0.27 6.7	10.94 278	14.97 380	2.75 70	26.0 11.8
10 250	10.750 273.0	1250 8600	114,500 509525	0.28 7.1	13.43 682	17.22 437	2.88 73	37.2 16.9
12 300	12.750 323.9	1250 8600	160,800 715560	0.28 7.1	15.56 395	19.06 484	3.00 76	42.0 19.1

* Refer to General Notes on pg. 7.

IMPORTANT NOTES:

HP-70ES couplings must always be used with pipe or fittings grooved to Victaulic "ES" dimensions. HP-70ES couplings cannot be used with Victaulic Series 700 butterfly valves.

- Specially formulated and compounded oil-resistant nitrile gasket
- ES gasket design has integral central leg that positions between the pipe ends for use with plastic-coated or cement-lined pipe
- Designed for higher pressure systems rated up to 2500 psi/17250 kPa
- Sizes from 2 – 12" / 50 – 300 mm



TYPICAL FOR ALL SIZES

IPS FITTINGS

EndSeal Fittings for Pipe Coated Pipe

NO. 62-ES 90° Elbow

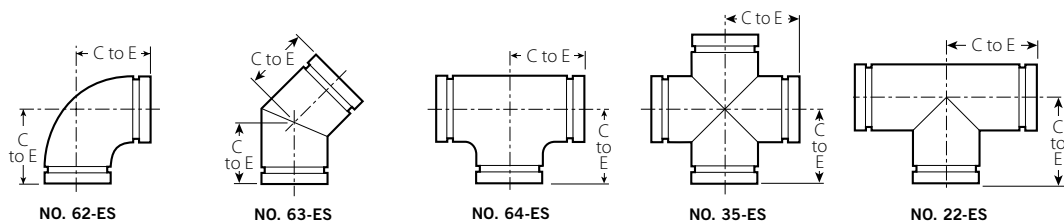
NO. 63-ES 45° Elbow

NO. 64-ES Tee

NO. 35-ES Cross

NO. 22-ES Header Tee

Request Publication 07.03



Size		No. 62-ES 90° Elbow		No. 63-ES* 45° Elbow		No. 64-ES* Tee		No. 35-ES* Cross		No. 22-ES Header Tee	
Nominal Size Inches mm	Actual Outside Diameter Inches mm	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg
2 50	2.375 60.3	3.25 83	2.5 1.1	2.00 51	1.8 0.8	3.25 83	4.2 1.9	3.25 83	3.9 1.8	—	—
2½ 65	2.875 73.0	3.75 95	5.0 2.3	2.25 57	2.9 1.3	3.75 95	7.9 3.6	3.75 95	6.6 3.0	—	—
2 – 3 50 – 90	2.375 – 3.500 60.3 – 88.9	—	—	—	—	—	—	—	—	4.25 108	3.4 1.5
2 – 4 50 – 100	2.375 – 4.500 60.3 – 114.3	—	—	—	—	—	—	—	—	5.00 127	4.1 1.9
3 80	3.500 88.9	4.25 108	6.0 2.7	2.50 64	4.3 1.9	4.25 108	16.0 7.3	4.25 108	14.2 6.4	—	—
4 100	4.500 114.3	5.00 127	10.3 4.7	3.00 76	8.5 3.9	5.00 127	23.5 10.7	5.00 127	15.8 7.2	—	—
6† 150	6.625 168.3	6.50 165	27.2 12.3	3.50 89	16.5 7.5	6.50 165	27.0 12.2	6.50 165	46.0 20.9	—	—

* Steel Fabricated - Cast Full Flow.

† For sizes to 12"/300mm consult Victaulic.

IMPORTANT NOTES:

Steel Full Flow elbows available with longer center to end dimensions. Contact Victaulic for details.

- Extra heavy wall thickness – Schedule 80
- “ES” EndSeal grooves for use with HP-70ES couplings only
- Special header tees for oil production headers designed with top (test) line is 2"/50mm and bottom production line is 3"/80mm or 4"/100mm
- Sizes from 2 – 6"/50 – 150mm

IPS FITTINGS

Elbows, Tees and Crosses

NO. 10 90° Elbow

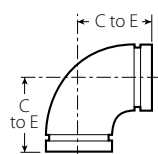
NO. 11 45° Elbow

NO. 20 Tee

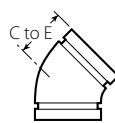
NO. 35 Cross

(Ductile Iron#)

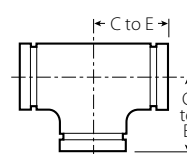
Request Publication 07.01



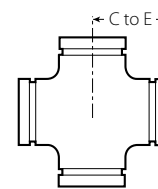
NO. 10



NO. 11



NO. 20



NO. 35

Size		No. 10 90° Elbow		No. 11 45° Elbow		No. 20 Tee		No. 35 Cross (sw)	
Nominal Size Inches mm	Actual Outside Dia. Inches mm	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Wgt. Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg
3/4 20	1.050 26.9	2.25 57	0.5 0.2	1.50 38	0.5 0.2	2.25 57	0.6 0.3	2.25 57	0.9 0.4
1 25	1.315 33.7	2.25 57	0.6 0.3	1.75 44	0.6 0.3	2.25 57	1.0 0.5	2.25 57	1.3 0.6
1 1/4 32	1.660 42.4	2.75 70	1.0 0.5	1.75 44	0.9 0.4	2.75 70	1.5 0.7	2.75 70	2.1 1.0
1 1/2 40	1.900 48.3	2.75 70	1.2 0.5	1.75 44	0.9 0.4	2.75 70	2.0 0.9	2.75 70	2.5 1.1
2 50	2.375 60.3	3.25 83	1.8 0.8	2.00 51	1.3 0.6	3.25 83	3.0 1.4	3.25 83	3.8 1.7
2 1/2 65	2.875 73.0	3.75 95	3.2 1.5	2.25 57	2.2 1.0	3.75 95	4.3 2.0	3.75 95	6.1 2.8
76.1 mm	3.000 76.1	3.75 95	3.7 1.7	2.25 57	3.4 1.5	3.75 95	5.2 2.4	—	—
3 80	3.500 88.9	4.25 108	4.5 2.0	2.50 64	3.1 1.4	4.25 108	6.8 3.0	4.25 108	10.5 4.8
3 1/2 90	4.000 101.6	4.50 114	5.6 2.5	2.75 70	4.3 2.0	4.50 (sw) 114	7.9 3.6	4.50 114	11.5 5.2
108.0 mm	4.250 108.0	5.00 127	11.0 5.0	3.00 76	5.6 2.5	5.00 127	15.5 7.0	—	—
4 100	4.500 114.3	5.00 127	7.1 3.2	3.00 76	5.6 2.5	5.00 127	11.9 5.4	5.00 127	15.8 7.2
4 1/2 120	5.000 127.0	5.25 (sw) 133	10.0 4.5	3.13 (sw) 79	6.0 2.7	5.25 (sw) 133	15.0 6.8	5.25 133	18.5 8.4
133.0 mm	5.250 133.0	5.50 140	11.7 5.3	3.25 83	8.3 3.8	5.50 140	17.8 8.1	—	—
139.7 mm	5.500 139.7	5.50 140	11.7 5.3	3.25 83	8.3 3.8	5.50 140	17.8 8.1	—	—
5 125	5.563 141.3	5.50 140	11.7 5.3	3.25 83	8.3 3.8	5.50 140	17.8 (8.1)	5.50 (140)	20.0 (9.1)
159.0 mm	6.250 159.0	6.50 165	18.6 8.4	3.50 89	10.8 4.9	6.50 165	27.1 12.3	—	—
165.1 mm	6.500 165.1	6.50 165	15.5 7.0	3.50 89	9.8 4.4	6.50 165	22.0 10.0	6.50 165	28.0 12.7
6 150	6.625 168.3	6.50 165	17.2 7.8	3.50 89	10.8 4.9	6.50 165	25.7 1.7	6.50 165	28.0 12.7
8 200	8.625 219.1	7.75 197	29.9 13.6	4.25 108	20.4 9.3	7.75 197	47.6 21.6	7.75 197	48.0 21.8
10 250	10.750 273.0	9.00 229	63.3 28.7	4.75 121	37.5 17.0	9.00 229	99.0 44.9	9.00 229	121.5 55.1
12 300	12.750 323.9	10.00 254	74.0 33.6	5.25 133	66.7 30.3	10.00 254	133.0 60.3	10.00 254	110.0 49.9

Ductile iron except those marked (sw) which are segmentally welded steel.

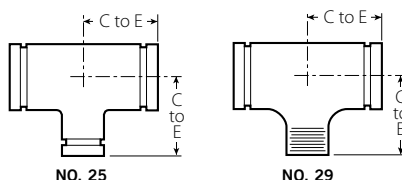
IPS FITTINGS

Reducing Tee

NO. 25 Grooved Branch

NO. 29 Threaded Branch
(Ductile Iron#)

Request Publication 07.01



Size			No. 25	No. 29	Approx. Weight
Nominal Size Inches mm			C to E Inches mm	C to E Inches mm	Lbs. kg
1 25	×	1 25	×	3/4 20	1.0 0.5
1 1/4 32	×	1 1/4 32	×	1 25	1.3 0.6
1 1/2 40	×	1 1/2 40	×	3/4 20	1.5 0.7
				1 25	1.5 0.7
				1 1/4 32	1.7 0.8
2 50	×	2 50	×	3/4 20	3.25 83
				1 25	3.25 83
				1 1/4 32	1.8 0.8
				1 1/2 40	3.25 83
2 1/2 65	×	2 1/2 65	×	3/4 20	3.9 1.8
				1 25	3.75 95
				1 1/4 32	4.2 1.7
				1 1/2 40	3.75 95
				2 50	3.75 95
3 80	×	3 80	×	3/4 20	5.7 2.6
				1 25	4.25 108
				1 1/4 32	8.0 3.6
				1 1/2 40	4.25 108
				2 50	4.25 108
				2 1/2 65	4.25 108

Size			No. 25	No. 29	Approx. Weight
Nominal Size Inches mm			C to E Inches mm	C to E Inches mm	Lbs. kg
4 100	×	4 100	×	3/4 20	8.0 3.6
				1 25	5.00 127
				1 1/4 32	9.6 4.4
				1 1/2 40	5.00 127
				2 50	5.00 127
				2 1/2 65	5.00 127
				3 80	5.00 127
5 125	×	5 125	×	1 25	14.0 6.4
				1 1/2 40	14.3 6.5
				2 50	5.50 (sw) 140
				2 1/2 65	5.50 (sw) 140
				3 80	5.50 (sw) 140
				4 100	5.50 (sw) 140
6 150	×	6 150	×	1 25	23.0 10.4
				1 1/2 40	24.0 10.9
				2 50	6.50 165
				2 1/2 65	6.50 165
				3 80	6.50 165
				4 100	6.50 165
				5 125	6.50 165

Size			No. 25	No. 29	Approx. Weight
Nominal Size Inches mm			C to E Inches mm	C to E Inches mm	Lbs. kg
6 1/2 165.1	×	6 1/2 165.1	×	3 80	6.50 165
				4 100	6.50 165
8 200	×	8 200	×	1 1/2 40	+
				2 50	7.75 (sw) 197
				2 1/2 65	+
				3 80	7.75 (sw) 197
				4 100	7.75 197
				5 125	7.75 (sw) 197
				6 150	7.75 197
				165.1	7.75 (sw) 197
10 250	×	10 250	×	1 1/2 40	+
				2 50	9.00 (sw) 229
				2 1/2 65	+
				3 80	+
				4 100	9.00 (sw) 229
				5 125	9.00 (sw) 229
				6 150	9.00 (sw) 229
				8 200	9.00 (sw) 229
12 300	×	12 300	×	1 25	+
				2 50	+
				2 1/2 65	+
				3 80	10.00 (sw) 254
				4 100	10.00 (sw) 254
				5 125	10.00 (sw) 254
				6 150	10.00 (sw) 254
				8 200	10.00 (sw) 254
				10 250	10.00 (sw) 254

+ Contact Victaulic for details.

Ductile iron except those that are marked (sw), which are segmentally welded steel.

IMPORTANT NOTE:

No. 29 Threaded Outlet Reducing Tees are supplied NPT and are available with British Standard threads. For British Standard specify "BSP" clearly on order.

IPS VALVES

Swinger® Swing Check Valve

SERIES 712 SERIES 713

Request Publication 08.11



SERIES 712



SERIES 713

- Designed for use with standard Victaulic grooved fittings and couplings
- Large closure access bonnet permits easy internal coating for corrosive services
- 316 stainless steel clapper features a bonded disc for coating protection
- Series 712 and Series 713 should not be installed in vertical pipelines

SERIES 712

Size		Max. Work Pressure	Dimensions					Approx. Wgt. Each	Flow Coefficient@ (Fully Open)
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	A End to End Inches mm	C Inches mm	D Inches mm	E Inches mm	F Inches mm	Lbs. kg	C _v Values K _v Values
2 50	2.375 60.3	300 2065	9.00 229	1.81 46	4.88 124	4.38 111	6.38 162	11.6 55.3	78 67.5
2½ 65	2.875 73.0	300 2065	9.25 235	2.25 57	5.50 140	5.69 145	7.69 195	18.0 8.2	125 108.1
3 80	3.500 88.9	300 2065	10.75 273	2.50 64	5.75 146	6.25 159	9.00 229	22.5 10.2	210 181.7
4 100	4.500 114.3	300 2065	12.00 305	3.38 86	7.63 194	7.96 202	10.75 273	38.0 17.2	358 309.7

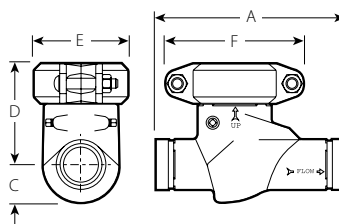
SERIES 713

2 50	2.375 60.3	1000 6900	9.00 229	1.81 46	4.88 124	4.96 125	6.75 172	12.0 5.4	78 67.5
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@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.

SERIES 712:

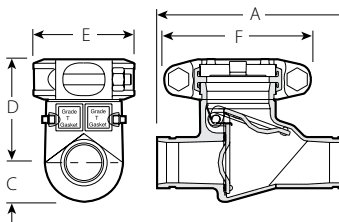
- Pressure rated up to 300 psi/2065 kPa
- Sizes from 2 – 4" / 50 – 100 mm



SERIES 712
TYPICAL 2 – 4" / 50 – 100 mm SIZES

SERIES 713:

- Can be used with high pressure lines rated up to 1000 psi/6900 kPa
- Size for 2" / 50 mm only



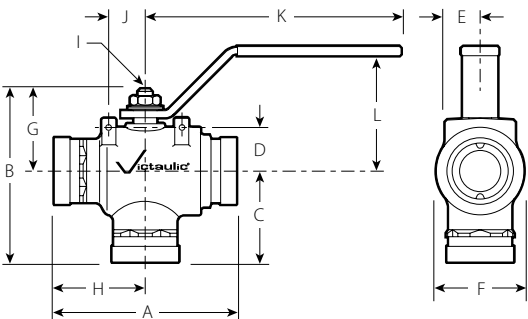
SERIES 713
TYPICAL 2" / 50 mm SIZE

IPS VALVES

Three Port Diverter
Ball Valve

SERIES 723

Request Publication 08.13



FOR 2"/50mm SIZE

Size		Dimensions													Approx. Wgt. Each	
Nominal Size Inches mm	Actual Out. Dia. Inches mm	A Inches mm	B Inches mm	C Inches mm	D Inches mm	E Inches mm	F Inches mm	G Inches mm	H Inches mm	I-Stem Drive Hub			J Inches mm	K Inches mm	L Inches mm	Lbs. kg
										Dia. Inches mm	Flat Width Inches mm	Flat Height Inches mm				
2 50	2.375 60.3	6.50 165	6.19 157	3.25 83	1.57 40	1.25 32	3.13 80	2.94 75	3.25 83	0.62 16	0.50 13	0.50 13	1.31 33	9.13 232	4.13 105	7.5 3.4

IMPORTANT NOTE:
Bracket hubs are drilled and tapped (¼ – 20 UNC-2B, 7/16 DP) in four places for mounting actuator brackets.

- NACE MR-01-75 compliant
- Three-port ball valve
- Common bottom inlet for diverting flow 90° left or right
- 180° operation is optionally available
- Internal plastic coating available
- Three-port ball and blowout proof stem are Type 316 stainless
- Pressure rated up to 600psi/4135kPa
- Size: 2"/50mm

IPS VALVES

Vic-Ball® Valve

SERIES 726

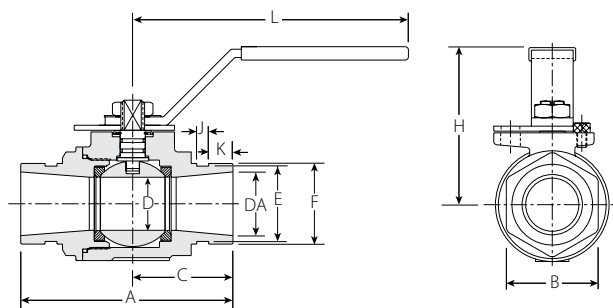
Request Publication 08.23



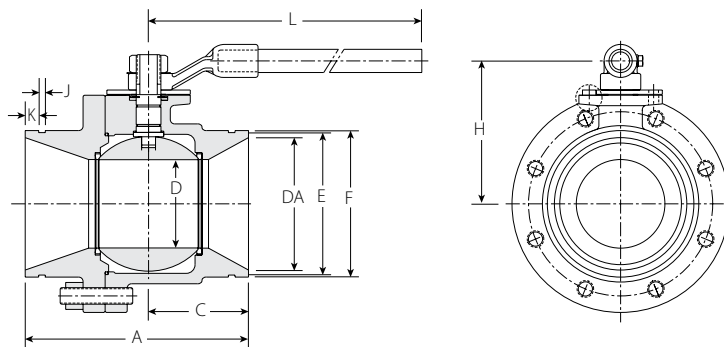
Size		Dimensions												Approx. Wgt Each	Flow Coefficient@ (Fully Open)
Nominal Size Inches mm	Actual Out. Dia. Inches mm	A Inches mm	B Inches mm	C Inches mm	D Inches mm	DA Inches mm	E Inches mm	F Inches mm	H Inches mm	J Inches mm	K Inches mm	L Inches mm	Lbs. kg	C _v Values K _v Values	
1 1/2 40	1.900 48.3	5.12 130	2.00 51	2.36 60	1.25 32	1.50 38	1.78 45	1.90 48	3.00 76	0.28 7	0.56 14	6.97 177	4.4 2.0	130 112.5	
2 50	2.375 60.3	5.50 140	2.64 67	2.48 63	1.50 38	2.00 51	2.25 57	2.38 60	3.31 84	0.34 9	0.56 14	6.97 177	6.5 3.0	180 155.7	
2 1/2 65	2.875 73.0	6.25 159	3.03 77	2.80 71	1.97 50	2.50 64	2.72 69	2.88 73	4.00 102	0.34 9	0.56 14	9.84 250	10.4 4.7	340 294.1	
3 80	3.500 88.9	6.56 167	3.50 89	3.15 80	2.50 64	3.00 76	3.34 85	3.50 89	4.53 115	0.34 9	0.56 14	9.84 250	14.9 6.8	600 519.0	
4 100	4.500 114.3	8.25 210	—	3.35 85	2.99 76	4.00 102	4.33 111	4.52 115	5.48 139	0.34 9	0.61 15	15.67 398	41.5 18.9	650 562.3	
6 150	6.625 168.3	10.10 257	—	4.53 115	4.00 102	6.00 152	6.46 164	6.64 169	6.48 165	0.34 9	0.61 15	18.07 459	78.5 35.7	800 692.0	

@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.

- High-pressure standard port ball valve with grooved ends
- Two-piece, end-entry valve
- Features floating ball for lower torque requirements
- NACE-MR-01-75 compliant
- Pressure rated up to 1000psi/6900kPa in sizes 1 1/2 – 3"/40 – 80mm
- Pressure rated up to 800psi/5515kPa for sizes 4 – 6"/100 – 150mm
- Sizes from 1 1/2 – 6"/40 – 150mm



TYPICAL 1 1/2 – 3"/40 – 80 mm SIZES



TYPICAL 4 – 6"/100 – 150 mm SIZES

IPS VALVES

Vic-Ball Valve (cont'd)

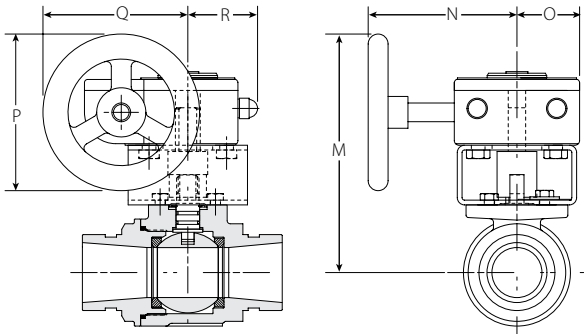
SERIES 726 WITH GEAR OPERATOR

Request Publication 08.23

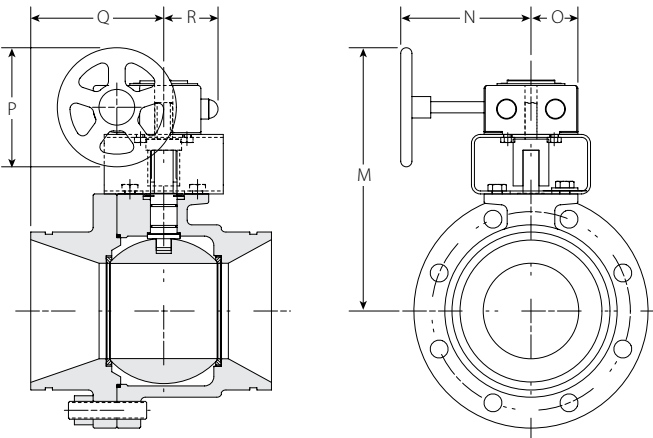


Size		Dimensions						Approx. Wgt. Each	Flow Coefficient@ (Fully Open)
Nominal Size Inches mm	Actual Outside Dia. Inches mm	M Inches mm	N Inches mm	O Inches mm	P Inches mm	Q Inches mm	R Inches mm	Lbs. kg	C _v Values K _v Values
1 1/2 40	1.900 48.3	6.03 153	4.29 109	1.58 40	3.94 100	2.64 92	1.75 44	7.1 3.2	130 112.5
2 50	2.375 60.3	6.30 160	4.29 109	1.58 40	3.94 100	2.64 92	1.75 44	9.1 4.1	180 155.7
2 1/2 65	2.875 73.0	7.43 189	4.65 118	1.97 50	4.92 125	4.43 112	2.28 58	12.9 5.9	340 294.1
3 80	3.500 88.9	7.94 202	4.65 118	1.97 50	4.92 125	4.43 112	2.28 58	20.0 9.1	600 519.0
4 100	4.500 114.3	9.95 253	4.65 118	1.97 50	4.92 125	4.43 112	2.28 58	44.7 20.3	650 562.3
6 150	6.625 168.3	11.02 280	4.65 118	1.97 50	4.92 125	4.43 112	2.28 58	89.0 40.3	800 692.0

@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.



TYPICAL 1 1/2 - 3"/40 - 80mm SIZES



TYPICAL 4 - 6"/100 - 150mm SIZES

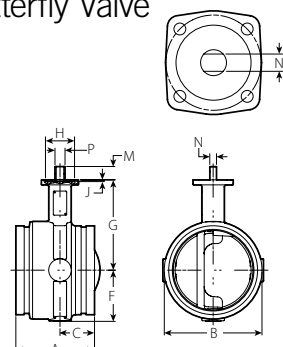
IPS VALVES

Vic®-300 MasterSeal™ Butterfly Valve

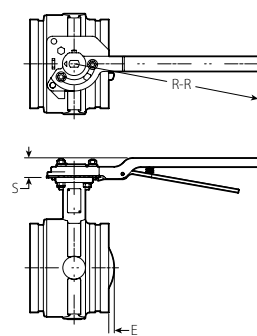
Request Publication 08.20



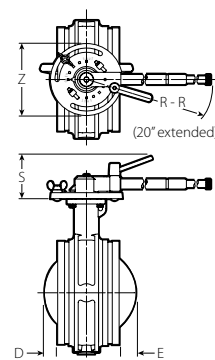
Patent Pending



BARE VALVE
TYPICAL 2 – 12"/50 – 300 mm SIZES



VALVE WITH LEVER LOCK HANDLE
TYPICAL 2 – 8"/50 – 200 mm SIZES



VALVE WITH LEVER LOCK HANDLE
TYPICAL 10 – 12"/250 – 300 mm SIZES

Size		Dimensions																Approx. Weight Each		Flow Coefficient@ (Fully Open) C _v Values K _v Values
Nominal Size Inches mm	Actual Outside Dia. Inches mm	A Inches mm	B Inches mm	C Inches mm	D Inches mm	E Inches mm	F Inches mm	G Inches mm	H Inches mm	J Inches mm	M Inches mm	N Inches mm	P Inches mm	R-R Inches mm	S Inches mm	Z Inches mm	Bare Lbs. kg	Lever Lbs. kg		
2 50	2.375 60.3	3.21 81.5	3.25 82.6	1.44 36.6	—	—	1.81 46.0	3.81 96.8	2.17 55.2	0.13 3.3	0.88 22.4	0.32 8.0	0.43 11.0	8.50 215.9	1.63 41.4	—	3.5 1.6	6.0 2.7	115 99.5	
2½ 65	2.875 73.0	3.77 95.8	4.00 101.6	1.77 45.0	—	—	2.10 53.3	4.25 108.0	2.17 55.2	0.13 3.3	0.88 22.4	0.32 8.0	0.43 11.0	8.50 215.9	1.63 41.4	—	5.0 2.3	7.5 3.4	260 224.9	
76.1 mm	3.000 76.1	3.77 95.8	4.00 101.6	1.77 45.0	—	—	2.10 53.3	4.25 108.0	2.17 55.2	0.13 3.3	0.88 22.4	0.32 8.0	0.43 11.0	8.50 215.9	1.63 41.4	—	5.0 2.3	7.5 3.4	260 224.9	
3 80	3.500 88.9	3.77 95.8	4.50 114.3	1.77 45.0	—	—	2.35 59.7	4.50 114.3	2.17 55.2	0.13 3.3	0.88 22.4	0.32 8.0	0.43 11.0	8.50 215.9	1.63 41.4	—	6.0 2.7	8.5 3.9	440 380.6	
4 100	4.500 114.3	4.63 117.6	5.50 139.7	2.18 55.4	—	—	2.88 73.2	5.25 133.4	2.17 55.2	0.13 3.3	0.89 22.6	0.43 11.0	0.59 15.0	8.50 215.9	1.63 41.4	—	9.3 4.2	11.8 5.4	820 709.3	
139.7 mm	5.500 139.7	5.88 149.4	6.30 160.0	2.18 55.4	—	—	3.34 84.8	6.25 158.8	2.17 55.2	0.13 3.3	1.12 28.5	0.50 12.7	0.75 19.1	14.00 355.6	1.63 41.4	—	16.8 7.6	20.0 9.1	1200 1038.0	
5 125	5.563 141.3	5.88 149.4	6.30 160.0	2.18 55.4	—	—	3.34 84.8	6.25 158.8	2.17 55.2	0.13 3.3	1.12 28.5	0.50 12.7	0.75 19.1	14.00 355.6	1.63 41.4	—	16.8 7.6	20.0 9.1	1200 1038.0	
165.1 mm	6.500 165.1	5.88 149.4	7.30 185.4	2.33 59.2	0.42 10.6	—	3.83 97.3	6.75 171.5	2.17 55.2	0.13 3.3	1.12 28.5	0.50 12.7	0.75 19.1	14.00 355.6	1.63 41.4	—	20.0 9.1	23.2 10.5	1800 1557.0	
6 150	6.625 168.3	5.88 149.4	7.30 185.4	2.33 59.2	0.42 10.6	—	3.83 97.3	6.75 171.5	2.17 55.2	0.13 3.3	1.12 28.5	0.50 12.7	0.75 19.1	14.00 355.6	1.63 41.4	—	20.0 9.1	23.2 10.5	1800 1557.0	
8 200	8.625 219.1	5.33 135.4	10.00 254.0	2.33 59.2	1.47 37.4	0.80 20.3	5.00 127.0	8.00 203.2	2.17 55.2	0.13 3.3	1.30 33.0	—	0.88 22.2	14.00 355.6	1.51 38.4	—	34.3 15.6	37.5 17.0	3400 2941.0	
10 250	10.750 273.0	6.40 162.6	12.25 311.2	3.00 76.2	1.81 45.9	1.41 35.8	6.13 155.7	9.75 247.7	2.76 70.1	0.13 3.3	2.25 57.2	—	1.25 31.8	11.66 296.2	4.50 114.3	7.50 190.5	72.0 32.7	84.0 38.1	5800 5017.0	
12 300	12.750 323.9	6.50 165.1	14.25 362.0	3.00 76.2	2.80 71.0	2.30 58.4	7.13 181.1	10.75 273.1	2.76 70.1	0.13 3.3	2.24 56.9	—	1.25 31.8	11.66 296.2	4.50 114.3	7.50 190.5	88.0 39.9	100.0 45.4	9000 7785.0	

- Pressure enhanced rubber seat within the valve body seals equally on both sides of the valve
- Stem bearings and pressure enhanced rubber seat keeps torque consistent over the life of the valve
- Standard ISO mounting flange for actuation
- Full bi-directional shut-off and dead end service capabilities to the full pressure rated up to 300psi/2065kPa
- Sizes from 2 – 12"/50 – 300 mm

@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.

IMPORTANT NOTE:

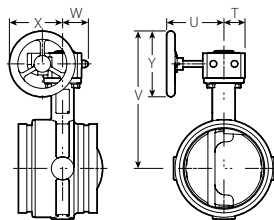
2 – 8"/50 – 200 mm sizes are ISO Flange Designation F07; 10"/250 mm and 12"/300 mm sizes are ISO Flange Designation F10.

IPS VALVES

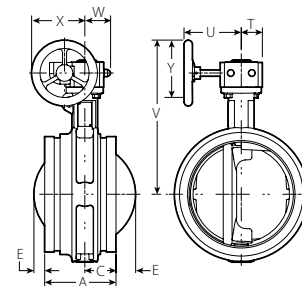
Vic-300 MasterSeal Butterfly Valve

WITH GEAR OPERATOR

Request Publication 08.20



VALVE WITH GEAR OPERATOR HANDLE
TYPICAL 2 – 6" / 50 – 165.1 mm SIZES



VALVE WITH GEAR OPERATOR HANDLE
TYPICAL 8 – 12" / 200 – 300 mm SIZES

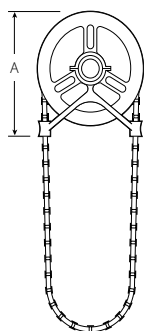
Size		Dimensions									Approx. Weight Each	Flow Coefficient@ (Fully Open) C _v Values K _v Values
Nominal Size Inches mm	Actual Outside Dia. Inches mm	A Inches mm	C Inches mm	E Inches mm	T Inches mm	U Inches mm	V Inches mm	W Inches mm	X Inches mm	Y Inches mm	Lbs. kg	
2 50	2.375 60.3	3.21 81.5	1.44 36.6	—	1.58 40.1	4.43 112.5	6.84 173.7	1.75 44.5	3.64 92.5	3.94 100.1	6.0 2.7	115 99.5
2½ 65	2.875 73.0	3.77 95.8	1.77 45.0	—	1.58 40.1	4.43 112.5	7.28 184.9	1.75 44.5	3.64 92.5	3.94 100.1	7.5 3.4	260 224.9
76.1 mm	3.000 76.1	3.77 95.8	1.77 45.0	—	1.58 40.1	4.43 112.5	7.28 184.9	1.75 44.5	3.64 92.5	3.94 100.1	7.5 3.4	260 224.9
3 80	3.500 88.9	3.77 95.8	1.77 45.0	—	1.58 40.1	4.43 112.5	7.53 191.3	1.75 44.5	3.64 92.5	3.94 100.1	8.5 3.9	440 380.6
4 100	4.500 114.3	4.63 117.6	2.18 55.4	—	1.58 40.1	4.43 112.5	8.28 210.3	1.75 44.5	3.64 92.5	3.94 100.1	11.8 5.4	820 709.3
139.7 mm	5.500 139.7	5.88 149.4	2.18 55.4	—	1.97 50.0	4.84 122.9	9.81 249.2	2.28 57.9	4.43 112.5	4.92 125.0	20.8 9.4	1200 1038.0
5 125	5.563 141.3	5.88 149.4	2.18 55.4	—	1.97 50.0	4.84 122.9	9.81 249.2	2.28 57.9	4.43 112.5	4.92 125.0	20.8 9.4	1200 1038.0
165.1 mm	6.500 165.1	5.88 149.4	2.33 59.2	—	1.97 50.0	4.84 122.9	10.31 261.9	2.28 57.9	4.43 112.5	4.92 125.0	24.0 10.9	1800 1557.0
6 150	6.625 168.3	5.88 149.4	2.33 59.2	—	1.97 50.0	4.84 122.9	10.31 261.9	2.28 57.9	4.43 112.5	4.92 125.0	24.0 10.9	1800 1557.0
8 200	8.625 219.1	5.33 135.4	2.33 59.2	0.80 20.3	1.97 50.0	4.84 122.9	11.56 293.6	2.28 57.9	4.43 112.5	4.92 125.0	38.3 17.4	3400 2941.0
10 250	10.750 273.0	6.40 162.6	3.00 76.2	1.41 35.8	2.88 73.2	7.76 197.1	15.13 384.3	3.25 82.6	6.30 160.0	7.87 199.9	81.5 39.0	5800 5017.0
12 300	12.750 323.9	6.50 165.1	3.00 76.2	2.30 58.4	2.88 73.2	7.76 197.1	16.13 409.7	3.25 82.6	6.30 160.0	7.87 199.9	97.5 44.2	9000 7785.0

@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.

IMPORTANT NOTE:

2 – 8" / 50 – 200 mm sizes are ISO Flange Designation F07; 10" / 250 mm and 12" / 300 mm sizes are ISO Flange Designation F10.

CHAIN WHEEL & GUIDE FOR GEAR OPERATED BUTTERFLY VALVES



Size		Dimensions			Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	Sprocket Size	Chain Wheel Size (Dia.) Inches mm	A Inches mm	Lbs. kg
2 – 4 50 – 100	2.375 – 4.500 60.3 – 114.3	0	4.00 10	4.63 118	2.0 0.9
5 – 8 125 – 200	5.563 – 8.625 141.3 – 219.1	1	5.75 146	6.38 162	4.0 1.8
10 – 12 250 – 300	10.750 – 12.750 273.0 – 323.9	2	9.00 229	10.50 267	10.0 4.5

IMPORTANT NOTES:

Chain wheels are mounted to the gear operator hand wheels. Sprocket rim and guide arms are made of cast aluminum and chain is galvanized steel. Always specify length of chain required. For insulation and locking device, contact Victaulic for details.

IPS VALVES

Butterfly Valve

SERIES 700

Request Publication 08.05



STANDARD PROFILE

- Narrow disc design for low pressure drop performance
- Offered with standard- or low-profile body
- Self-centering for positive shut-off
- Available with EPDM for water services to +230°F/+110°C
- Nitrile for oil services to 180°F/+82°C liners
- Body is fully rubber lined, standard disc is aluminum bronze (also available in 316 stainless steel)
- Variety of handles or gear operators available (request 08.05 for handle details and performance)
- Designed for bubble-tight shut-off for pressure rated up to 200 psi/1400 kPa
- Sizes from 1½ – 6"/40 – 150mm

STANDARD PROFILE BUTTERFLY VALVE

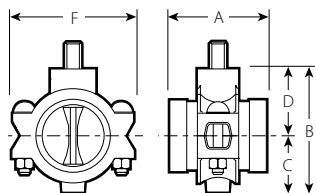
Size		Dimensions					Approx. Wgt. Each †	Flow Coefficient@ (Fully Open)
Nominal Size Inches mm	Actual Outside Dia. Inches mm	A End to End Inches mm	B Inches mm	C Inches mm	D Inches mm	F Inches mm	Lbs. kg	C _v Values K _v Values
1½ 40	1.900 48.3	3.38 86	4.45 113	1.63 41	2.82 72	3.63 92	2.8 1.3	36 31.1
2 50	2.375 60.3	3.19 81	4.97 126	1.88 48	3.09 78	4.06 105	3.3 1.5	70 60.6
2½ 65	2.875 73.0	3.81 97	6.19 157	2.50 64	3.69 94	4.88 124	6.4 2.9	120 103.8
3 80	3.500 88.9	3.81 97	6.75 171	2.75 70	4.00 102	5.63 143	6.8 3.1	180 155.7
4 100	4.500 114.3	4.56 116	8.19 208	3.50 89	4.69 119	7.00 178	12.1 5.5	520 449.8
5 125	5.563 141.3	5.81 148	9.34 237	4.00 102	5.34 136	8.50 216	26.1 11.8	800 692.0
165.1 mm	6.500 165.1	5.81 148	10.38 264	4.50 114	5.88 149	9.50 241	30.5 13.8	1300 1124.5
6 150	6.625 168.3	5.81 148	10.38 264	4.50 114	5.88 149	9.50 241	32.5 14.7	1300 1124.5

LOW PROFILE BUTTERFLY VALVE

1½ 40	1.900 48.3	3.38 86	3.57 91	1.63 41	1.95 50	3.93 100	2.8 1.3	36 31.1
2 50	2.375 60.3	3.20 81	4.09 104	1.88 48	2.22 56	4.33 110	3.3 1.5	70 60.6
2½ 65	2.875 73.0	3.81 97	5.19 132	2.50 64	2.50 64	5.27 134	6.4 2.9	120 103.8
3 80	3.500 88.9	3.81 97	5.75 146	2.75 70	3.00 76	6.05 154	6.8 3.1	180 155.7
4 100	4.500 114.3	4.56 116	7.38 188	3.50 89	3.88 99	7.11 181	12.1 5.5	520 449.8
5 125	5.563 141.3	5.81 148	8.84 225	4.00 102	4.84 123	9.14 232	26.1 11.8	800 692.0
165.1 mm	6.500 165.1	5.81 148	9.88 251	4.50 114	5.38 137	10.08 256	30.5 13.8	1300 1124.5
6 150	6.625 168.3	5.81 148	9.88 251	4.50 114	5.38 137	10.08 256	32.5 14.7	1300 1124.5

† Without operator or linkage.

@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.



TYPICAL FOR ALL SIZES

IPS VALVES

Vic Check Valve

SERIES 716

Request Publication 08.08



TYPICAL 2 1/2 – 3"/65 – 80 mm SIZES



TYPICAL 4 – 12"/100 – 300 mm SIZES

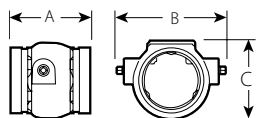
- Utilizes spring-assisted, single-disc design
- Achieves a leak-free seal with as little as 5 ft./1.5 m of head
- Installed in horizontal and vertical positions (upward flow only)
- Vic Check valves combine high pressure capabilities with low pressure drop performance
- The grooved end design permits fast, easy installation
- Drains are provided both upstream and downstream of the disc
- Every valve factory tested to its working pressure rated up to 300 psi/2065 kPa
- Sizes from 2 1/2 – 12"/65 – 300 mm

Size		Dimensions										Approx. Wgt. Each	Flow Coefficient@ (Fully Open)
Nominal Size Inches mm	Actual Outside Diameter Inches mm	A End to End Inches mm	B Overall Width Inches mm	C Inches mm	D Inches mm	E Inches mm	J Inches mm	K Inches mm	P Inches mm	R Inches mm	Lbs. kg	C _v Values K _v Values	
2½ 65	2.875 73.0	3.88 99	4.25 108	3.60 91	—	—	—	—	—	—	3.6 1.6	140 121.1	
76.1 mm	3.000 76.1	3.88 99	4.25 108	3.60 91	—	—	—	—	—	—	3.6 1.6	140 121.1	
3 80	3.500 88.9	4.25 108	5.06 129	4.19 106	—	—	—	—	—	—	4.5 2.0	250 216.3	
4 100	4.500 114.3	9.63 245	6.00 152	3.90 99	2.75 70	3.50 89	2.00 51	4.50 114	3.50 89	3.35 85	16.0 7.3	390 337.4	
139.7 mm	5.500 139.7	10.50 267	6.80 173	4.50 114	4.17 106	4.17 106	2.15 55	5.88 149	4.08 104	4.02 102	27.0 12.3	700 605.5	
5 125	5.563 141.3	10.50 267	6.80 173	4.50 114	4.17 106	4.17 106	2.15 55	5.88 149	4.08 104	4.02 102	20.0 9.1	700 605.5	
165.1 mm	6.500 165.1	11.50 292	8.00 203	5.00 127	4.50 114	4.50 114	2.38 61	6.67 169	4.73 120	3.89 99	28.0 12.7	1000 865.0	
6 150	6.625 168.3	11.50 292	8.00 203	5.00 127	4.50 114	4.50 114	2.38 61	6.67 169	4.73 120	3.89 99	28.0 12.7	1000 865.0	
8 200	8.625 219.1	14.00 356	9.88 251	6.10 155	5.05 128	5.65 144	2.15 55	8.75 222	5.70 145	5.75 146	40.0 18.1	1800 1157.0	
10 250	10.750 273.0	17.00 432	12.00 305	7.10 180	5.96 151	6.69 170	2.15 55	10.92 277	6.93 176	—	100.0 45.4	3000 2595.0	
12 300	12.750 323.9	19.50 495	14.00 356	8.10 206	6.91 176	7.64 194	2.51 64	12.81 325	7.93 201	—	140.0 63.5	4200 3633.0	

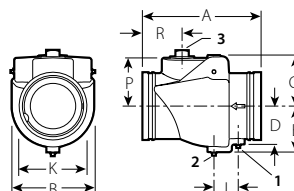
@ C_v/K_v values for flow of water at +60°F/16°C with valve fully open.

IMPORTANT NOTES:

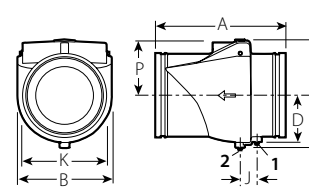
Placement of check valves too close to sources of unstable flow will shorten the life of the valve and potentially may damage the system. To extend valve life, valves should be installed a reasonable distance downstream from pumps, elbows, expanders, reducers or other similar devices. Sound piping practices dictate a minimum of five (5) times the pipe diameter for general use. Distances between three (3) and five (5) diameters are allowable provided the flow velocity is less than eight (8) ft. per second (2.4 mps). Distances less than three (3) diameters are not recommended and will violate the Victaulic product warranty.



TYPICAL 2 1/2 – 3"/65 – 80 mm SIZES



TYPICAL 4 – 8"/100 – 200 mm SIZES



TYPICAL 10 – 12"/250 – 300 mm SIZES

- 1 1/2" NPT Upstream drain (optional)
- 2 1/2" NPT downstream drain (optional)
- 3 2" NPT drain (optional)

IPS ACCESSORIES

Vic-Strainer® – Tee Type

SERIES 730

Request Publication 09.02



- Series 730 Vic-Strainer is lighter than flanged "Y" type strainers and provides straight-through flow for lower pressure drop
- The Series 730 Vic-Strainer installs with two Victaulic couplings, and is rated up to 300 psi/2065 kPa
- A durable 304 stainless screen is provided. The standard mesh sizes are 12 mesh for sizes 1½ – 3"/40 – 80 mm; 6 mesh for sizes 4 – 12"/100 – 300 mm; other smaller sizes available

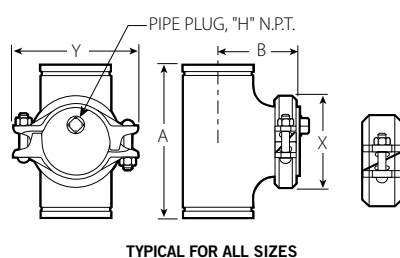
Size		Max. Work Pressure †	Dimensions					Approx. Wgt. Each	Flow Coefficient@ (Fully Open) C _v Values K _v Values
Nominal Size Inches mm	Actual Outside Diameter Inches mm		A Inches mm	B Inches mm	X Inches mm	Y Inches mm	H Inches mm		
1½ 40	1.900 48.3	750 5175	5.50 140	3.75 95	2.94 75	5.81 148	0.25 6	7.0 3.2	61 52.8
2 50	2.375 60.3	750 5175	6.50 165	4.25 108	3.35 85	5.78 147	0.50 13	5.8 2.6	190 164.4
2½ 65	2.875 73.0	750 5175	7.50 191	4.75 121	3.88 98	6.38 162	0.50 13	8.9 4.0	230 199.0
3 80	3.500 88.9	750 5175	8.50 216	5.25 133	4.54 115	6.81 173	0.75 19	21.0 9.5	290 250.9
4 100	4.500 114.3	750 5175	10.00 254	6.00 152	5.83 148	8.21 209	1.00 25	19.6 8.9	425 367.6
5 125	5.563 141.3	750 5175	11.00 279	6.50 165	7.03 179	9.89 251	1.25 32	31.3 14.2	685 592.5
6 150	6.625 168.3	700 4825	13.00 330	7.50 191	8.26 210	10.83 275	1.25 32	43.3 19.6	950 821.8
8 200	8.625 219.1	600 4130	15.50 394	9.00 229	10.54 268	13.74 349	2.00 51	75.0 34.0	2108 1823.4
10 250	10.750 273.0	500 3450	18.00 457	10.25 260	12.86 327	16.98 431	2.00 51	136.0 61.7	2683 2320.8
12 300	12.750 323.9	400 2750	20.00 508	11.25 286	14.86 377	18.88 480	2.00 51	197.2 89.4	3872 3349.3

† Working pressure is maximum based on Style 07 access coupling and will be governed by couplings used for installation and related system components. Maximum differential pressure from inlet to outlet must not exceed 10 psi/69 kPa.

@ C_v/K_v values for flow of water at +60°F/+16°C.

IMPORTANT NOTE:

For 20 – 30"/500 – 750 mm sizes contact Victaulic.



IPS ACCESSORIES

Vic-Strainer – Wye Type

SERIES 732

Request Publication 09.03



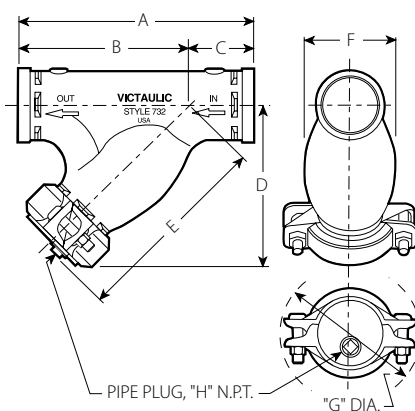
- Provides straight through flow for lower pressure drop
- Installs with two Victaulic couplings
- Durable 304 stainless perforated basket
- Pressure rated up to 300 psi/2065 kPa
- Sizes from 2 – 12"/50 – 300 mm

Size		Max. Work Press.†	Dimensions								Approx. Wgt. Each	Flow Coefficient®
Nominal Size Inches mm	Actual Outside Diameter Inches mm	psi kPa	A End to End Inches mm	B Inches mm	C Inches mm	D Inches mm	E Inches mm	F Inches mm	G* Inches mm	H Inches mm	Lbs. kg	C _v Values K _v Values
2 50	2.375 60.3	300 2065	9.75 248	7.00 178	2.75 70	7.54 192	8.54 217	3.50 89	5.25 133	0.50 13	10.0 4.5	72 62.3
2½ 65	2.875 73.0	300 2065	10.75 273	7.75 197	3.00 76	8.32 211	9.32 237	4.13 105	5.81 148	0.50 13	14.0 6.4	111 96.0
76.1 mm	3.000 76.1	300 2065	10.75 273	7.75 197	3.00 76	8.32 211	9.32 237	4.13 105	5.81 148	0.50 13	14.0 6.4	111 96.0
3 80	3.500 88.9	300 2065	11.75 299	8.50 216	3.25 83	9.08 231	10.14 258	4.75 121	6.63 168	0.75 19	20.0 9.1	164 141.9
4 100	4.500 114.3	300 2065	14.25 362	10.50 267	3.75 95	11.06 281	12.36 314	6.25 159	7.94 202	1.00 25	32.0 14.5	285 246.5
5 125	5.563 141.3	300 2065	16.50 419	12.50 318	4.00 102	13.00 330	14.36 365	7.88 200	9.50 241	1.00 25	50.0 22.7	410 354.7
165.1 mm	6.500 165.1	300 2065	18.50 470	14.00 356	4.50 114	14.44 367	16.06 408	9.25 235	10.50 267	1.25 32	72.0 32.7	597 516.4
6 150	6.625 168.3	300 2065	18.50 470	14.00 356	4.50 114	14.44 367	16.06 408	9.25 235	10.50 267	1.25 32	72.0 32.7	597 516.4
8 200	8.625 219.1	300 2065	24.00 610	18.00 457	6.00 152	18.38 467	20.50 521	12.38 315	13.19 335	1.50 38	125.0 56.7	1000 865.0
10 250	10.750 273.0	300 2065	27.00 686	21.00 533	6.00 152	22.00 559	23.82 605	14.25 362	15.92 404	2.00 51	205.0 93.0	1800 1557.0
12 300	12.750 323.9	300 2065	30.00 762	24.50 622	5.50 140	24.75 629	27.37 695	17.00 432	18.23 463	2.00 51	280.0 127.0	2800 2422.2

† Working pressure is maximum and will be governed by couplings used for installation and related system components. Maximum differential pressure from inlet to outlet must not exceed 10 psi/69 kPa.

* Dimensions will vary depending upon coupling orientation.

@ C_v/K_v values for flow of water at +60°F/+16°C.



TYPICAL FOR ALL SIZES

STAINLESS STEEL

Rigid Coupling

STYLE 89

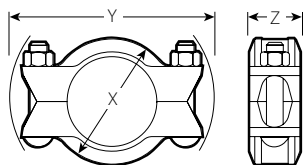
Request Publication 17.24



- Heavy-duty, galvanized ductile iron housing designed for use specifically with stainless steel systems
- Wider housing key than standard coupling
- Provides an essentially rigid joint
- Pressure rated up to 750 psi/ 5175 kPa for Schedule 40S, 300 psi/2065 kPa for Schedule 10S, and 200 psi/ 1379 kPa for Schedule 5S; For specific pressure ratings by size and schedule, please refer to Publication 17.24
- Sizes from 2 – 12"/50 – 300 mm

Size		Max. End Load *			Allow. Pipe End Sep. *	Dimensions			Approx. Wgt. Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	Lbs. N				Inches mm	X Inches mm	Y Inches mm	Z Inches mm
		Schedule 40S	Schedule 10S	Schedule 5S					
2 50	2.375 60.3	3320 14774	1330 5919	890 3961	0.14 3.6	3.50 89	6.68 168	2.00 51	3.1 1.4
2½ 65	2.875 73.0	4875 21694	1950 8678	1300 5785	0.14 3.6	4.13 105	7.13 181	2.00 51	4.0 1.8
76.1 mm	3.000 76.1	5300 23585	2120 9434	1415 6297	0.14 3.6	4.13 105	7.25 184	2.00 51	4.1 1.9
	3 80	3.500 88.9	7215 32107	2890 12861	1925 8566	0.14 3.6	4.75 121	7.75 197	2.00 51
4 100	4.500 114.3	11930 53089	4775 21249	3180 14151	0.25 6.4	6.00 152	9.63 245	2.13 54	7.5 3.4
	139.7 mm	5.500 139.7	17820 79299	7130 31729	4750 21138	0.25 6.4	7.13 181	10.63 270	2.38 60
165.1 mm	6.500 165.1	24890 110761	9955 44300	6640 29548	0.25 6.4	8.63 219	12.68 321	2.38 60	15.8 7.2
	6 150	6.625 168.3	25850 115035	10340 46015	6895 30685	0.25 6.4	8.63 219	12.68 321	2.50 64
216.3 mm	8.515 216.3	34175 152079	17090 76051	11390 50686	0.25 6.4	11.00 279	15.00 381	2.63 67	25.2 11.4
	8 200	8.625 219.1	35055 155995	17530 78010	11685 52000	0.25 6.4	11.00 279	15.00 381	2.75 70
267.4 mm	10.528 267.4	52230 232424	26115 116212	17410 77475	0.25 6.4	13.38 340	17.00 432	2.75 700	32.5 14.7
	10 250	10.750 273.0	54460 242345	27230 121175	18150 80770	0.25 6.4	13.50 343	17.25 438	3.00 76
318.5 mm	12.539 318.5	74100 329745	37050 164873	24700 109915	0.25 6.4	15.63 397	19.63 499	2.88 73	42.0 19.1
	12 300	12.750 323.9	76605 340890	38300 170435	25535 113630	0.25 6.4	15.63 397	19.63 499	2.88 73

* Refer to General Notes on pg. 7.



TYPICAL FOR ALL SIZES

STAINLESS STEEL

ASTM A-403

Fittings*

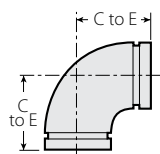
NO. 410 SS 90° Elbow

NO. 411 SS 45° Elbow

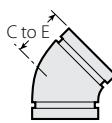
NO. 420 SS Tee

NO. 460 SS Cap

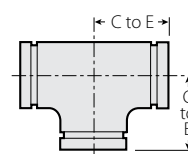
Request Publication 17.16



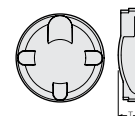
NO. 410 SS



NO. 411 SS



NO. 420 SS



NO. 460 SS

Size		No. 410 SS 90° Elbow		No. 411 SS 45° Elbow		No. 420 SS Tee		No. 460 SS Cap	
Nominal Size Inches mm	Actual Outside Diameter Inches mm	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	T Thickness Actual mm	Approx. Weight Each Lbs. kg
2	2.375	4.50	1.1	2.75	0.7	2.75	1.3	—	—
50	60.3	114.3	0.5	69.9	0.3	70.0	0.6	—	—
2½	2.875	5.00	1.8	2.81	0.9	3.07	2.2	—	—
65	73.0	127	0.8	71.4	0.4	78.0	1.0	—	—
3	3.500	4.50	2.6	2.00	1.3	3.77	3.1	1.03	1.1
80	88.9	114.3	1.2	50.8	0.6	95.7	1.4	26	0.5
4	4.500	6.00	4.4	2.50	2.2	4.47	4.9	1.22	1.6
100	114.3	152.4	2.0	63.5	1.0	113.6	2.2	31	0.7
6	6.625	9.00	11.0	3.75	5.5	5.91	11.7	1.75	3.9
150	168.3	228.6	5.0	95.3	2.5	150.0	5.3	44	1.8
8	8.625	12.00	21.2	5.00	11.0	7.79	20.3	2.23	6.6
200	219.1	304.8	9.6	127	5.0	197.8	9.2	57	3.0
10	10.750	15.00	36.6	6.25	18.5	8.89	34.4	—	—
250	273.0	381	16.6	158.8	8.4	225.9	15.6	—	—
12	12.750	18.00	56.9	7.50	28.4	10.39	52.5	—	—
300	323.9	457.2	25.8	190.5	12.9	264.0	23.8	—	—

* Other stainless steel fittings available, contact Victaulic for details.

IMPORTANT NOTES:

No. 410 SS, No. 411 SS, and No. 420 SS are manufactured from material conforming to ASTM A-403 Schedule 10S 304L or 316L.

No. 460 SS is manufactured from material conforming to ASTM A-351, A-743, ND A-744, grade CF8M.

- Offered in a variety of standard fitting configurations
- Roll grooved Schedule 10S Types 304L and 316L stainless steel fittings
- Sizes to 12"/300mm

STAINLESS STEEL

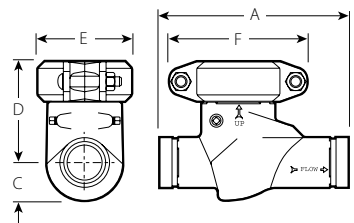
Swinger Check Valve

SERIES 712S

Request Publication 17.08



- Series 712S Swinger Check valves must not be installed in vertical pipe lines
- Supplied with bonnet cap drilled and tapped with 1/2"/15 mm NPT pipe plug for chemical injection or other auxiliary connections
- Type 316 stainless steel body and trim in 2"/50 mm size



TYPICAL FOR 2"/50 mm SIZE

Size		Dimensions					Approx. Weight Each without Operator
Nominal Size Inches mm	Actual Outside Diameter Inches mm	A End to End Inches mm	C Inches mm	D Inches mm	E Inches mm	F Inches mm	Lbs. kg
2	2.375	9.00	1.75	4.88	3.38	6.38	12.0
50	60.3	229	45	124	86	162	5.4

STAINLESS STEEL

Vic-Ball Valve

SERIES 726S

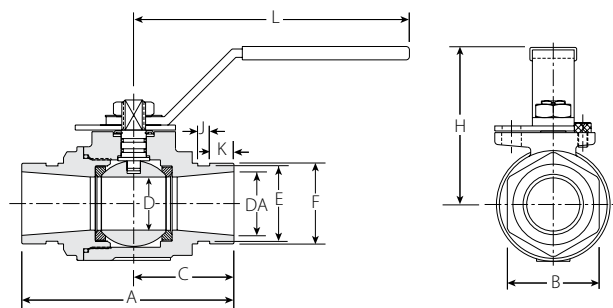
Request Publication 17.22



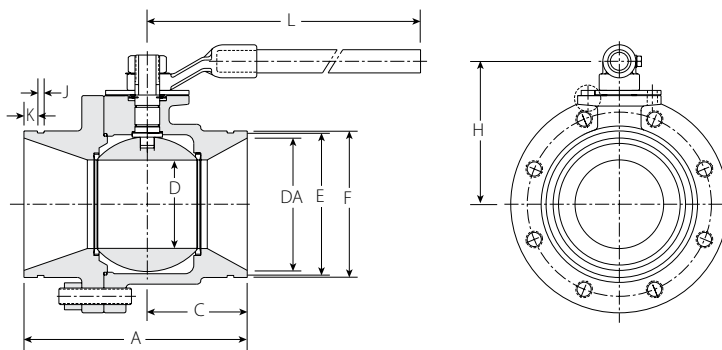
Size		Dimensions												Approx. Wgt. Each	Flow Coefficient@ (Fully Open)
Nominal Size Inches mm	Actual Out. Dia. Inches mm	A Inches mm	B Inches mm	C Inches mm	D Inches mm	DA Inches mm	E Inches mm	F Inches mm	H Inches mm	J Inches mm	K Inches mm	L Inches mm	Lbs. kg	C _v Values K _v Values	
1 1/2 40	1.900 48.3	5.12 130	2.00 51	2.36 60	1.25 32	1.50 38	1.78 45	1.90 48	3.00 76	0.28 7	0.56 14	6.97 177	4.0 2.2	130 112.5	
2 50	2.375 60.3	5.50 140	2.64 67	2.48 63	1.50 38	2.00 51	2.25 57	2.38 60	3.31 84	0.34 9	0.56 14	6.97 177	7.5 3.4	180 155.7	
2 1/2 65	2.875 73.0	6.25 159	3.03 77	2.80 71	1.97 50	2.50 64	2.72 69	2.88 73	4.00 102	0.34 9	0.56 14	9.84 250	11.6 5.3	340 294.1	
3 80	3.500 88.9	6.56 167	3.50 89	3.15 80	2.50 64	3.00 76	3.34 85	3.50 89	4.53 115	0.34 9	0.56 14	9.84 250	17.2 7.8	600 519.0	
4 100	4.500 114.3	8.25 210	—	3.35 85	2.99 76	4.00 102	4.33 111	4.52 115	5.48 139	0.34 9	0.61 15	15.67 398	45.0 20.5	650 562.3	
6 150	6.625 168.3	10.10 257	—	4.53 115	4.00 102	6.00 152	6.46 164	6.64 169	6.48 165	0.34 9	0.61 15	18.07 459	82.0 37.3	800 692.0	

@ C_v/K_v values for flow of water at +60°F/+16°C with valve fully open.

- High-pressure standard port ball valve with grooved ends
- Two-piece, end-entry features floating ball for lower torque requirements
- NACE compliant
- Streamline internal design provides excellent flow characteristics
- Valve features stainless steel ball and stem
- Pressure rated up to 1000 psi/6900 kPa for sizes 1 1/2 – 3" / 40 – 80 mm
- Pressure rated up to 800 psi/5515 kPa for sizes 4 – 6" / 100 – 150 mm
- Sizes from 1 1/2 – 6" / 40 – 150 mm



TYPICAL 1 1/2 – 3" / 40 – 80 mm SIZES



TYPICAL 4" / 100 mm AND 6" / 150 mm SIZES

IPS PLAIN END

Roust-A-Bout® Coupling

STYLE 99

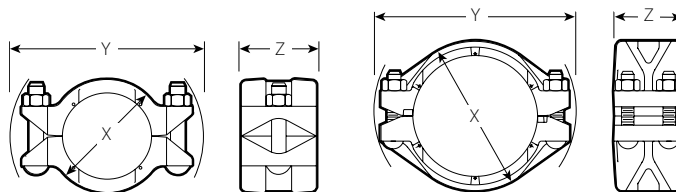
Request Publication 14.02



- Specifically designed for plain end steel and stainless steel pipe
- Gripping teeth provide a strong component for joining plain and beveled end (including Schedule 80 steel pipe)
- Not to be used on plastic pipe, pipe with brittle linings, cast or ductile iron pipe nor any pipe with a surface hardness greater than 150 Brinell
- Pressure rated up to 750 psi/5175 kPa
- Sizes from 1 – 12"/25 – 300 mm

Size		Max. Work Pressure*	Max. End Load*	Dimensions			Approx. Weight Each
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. kg	X Inches mm	Y Inches mm	Z Inches mm	Lbs. kg
1 25	1.315 33.7	600 4130	800 3560	2.56 65	4.25 108	2.25 57	1.7 0.8
1 1/2 40	1.900 48.3	750 5175	2100 9345	3.25 83	5.50 140	2.88 73	3.6 1.6
2 50	2.375 60.3	750 5175	3300 14685	3.75 95	6.75 171	3.38 86	5.3 2.4
2 1/2 65	2.875 73.0	600 4130	3890 17310	4.25 108	7.13 181	3.38 86	5.7 2.5
76.1 mm	3.000 76.1	400 2700	2825 12500	4.69 119	6.25 159	2.75 70	4.4 2.0
3 80	3.500 88.9	600 4130	5770 25676	5.00 127	8.50 216	3.38 86	8.7 3.9
3 1/2 90	4.000 101.6	500 3450	6280 27946	5.50 140	9.25 235	3.63 92	10.6 4.8
4 100	4.500 114.3	450 3100	7155 31840	6.13 156	10.00 254	4.00 102	12.8 5.8
139.7 mm	5.500 139.7	250 1700	5940 26440	7.80 200	10.75 260	3.19 81	9.0 4.1
5 125	5.563 141.3	350 2400	8500 37825	7.25 184	11.38 289	4.38 111	17.3 7.8
165.1 mm	6.500 165.1	300 2065	9955 44300	8.38 213	13.25 337	4.38 111	22.2 10.1
6 150	6.625 168.3	300 2065	10340 46013	8.50 216	13.38 340	4.38 111	23.2 10.5
8 200	8.625 219.1	250 1700	14600 64970	10.88 276	14.38 365	5.00 127	37.2 16.9
10 250	10.750 273.0	250 1700	22700 101015	13.38 340	16.38 416	5.00 127	48.2 21.9
12 300	12.750 323.9	250 1700	31900 141955	15.50 394	19.63 499	5.13 130	60.0 27.2

* Working Pressure and End Load are total, from all internal and external loads, based on coupling properly assembled, with bolts fully torqued to listed specifications, on plain end or beveled end standard weight (ANSI) steel pipe and Victaulic plain end fittings. Couplings are designed to be used with plain end pipe and Victaulic plain end fittings only.



TYPICAL 1 – 6"/25 – 150mm SIZES

TYPICAL 8 – 12"/200 – 300mm SIZES

HDPE PLAIN END

Coupling
STYLE 995

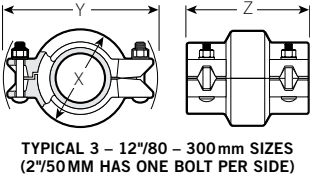
Request Publication 19.02



Size		Dimensions			Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	X Inches mm	Y Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	3.69 94	5.94 151	3.63 92	3.5 1.6
3 80	3.500 88.9	4.63 118	7.00 178	4.56 116	7.7 3.5
4 100	4.500 114.3	5.88 149	8.13 207	5.81 148	11.6 5.3
5 125	5.563 141.3	6.94 176	9.88 251	5.88 149	15.0 6.8
6 150	6.625 168.3	8.00 203	10.88 276	5.88 149	16.4 7.4
8 200	8.625 219.1	10.19 259	13.25 377	6.00 152	24.9 11.3
10 250	10.750 273.0	12.38 314	15.88 403	6.50 165	37.4 17.0
12 300	12.750 323.9	14.38 365	18.00 457	7.00 178	49.0 22.2



- Sharp gripping teeth on both housing sides grip into outside diameter of HDPE pipe
- Design permits direct joining without fusing equipment
- Sizes from 2 – 12"/50 – 300mm



HDPE PLAIN END

Transition Coupling – HDPE to Steel

STYLE 997

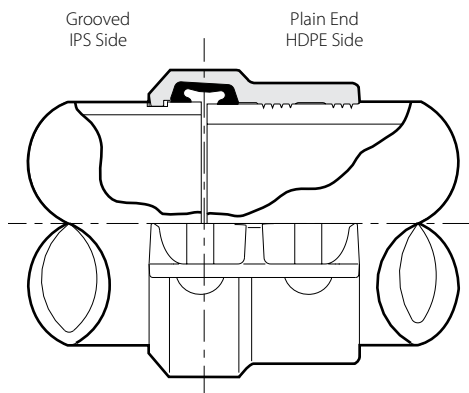
Request Publication 19.03



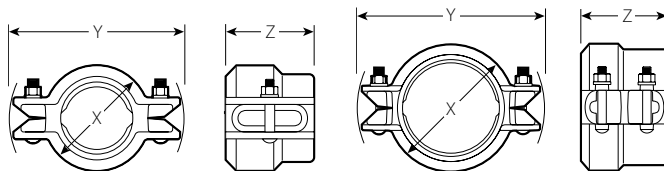
Size		Dimensions			Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	X Inches mm	Y Inches mm	Z Inches mm	Lbs. kg
2 50	2.375 60.3	3.31 84	5.22 133	2.78 71	3.0 1.4
3 80	3.500 88.9	4.38 111	6.99 178	3.20 81	6.6 3.0
4 100	4.500 114.3	5.68 144	8.25 210	3.90 99	8.7 4.0
5 125	5.563 141.3	6.75 172	9.77 248	3.97 101	11.5 5.2
6 150	6.625 168.3	7.84 199	11.25 286	4.00 102	14.8 6.7
8 200	8.625 219.1	10.18 259	13.96 355	4.16 106	21.7 9.8
10 250	10.750 273.0	12.63 321	16.81 427	4.56 116	34.3 15.6
12 300	12.750 323.9	14.58 370	18.76 477	4.85 123	37.5 17.0



- Fastest and easiest way to join plain end HDPE pipe to grooved IPS pipe, valves, and fittings
- Designed for use with HDPE with pipe wall thickness from SDR 32.5 to 7.3
- Grooved side has conventional key section to engage standard roll or cut grooved IPS pipe of same size as mating HDPE pipe
- Sizes from 2 – 12"/50 – 300 mm



EXAGGERATED FOR CLARITY



TYPICAL 2"/50mm SIZE

TYPICAL 3 – 12"/80 – 300mm SIZES

HDPE PLAIN END

Vic-Flange Adapter ANSI Class 150

STYLE 994

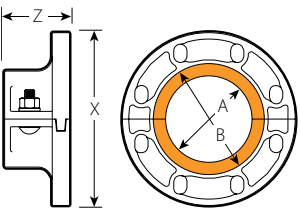
Request Publication 19.04



- Permits direct connection of ANSI Class 125 and 150 flanged components into HDPE systems
- Sizes from 4 – 8"/100 – 200mm

Size		Sealing Surface*		Dimensions		Approx. Weight Each
Nominal Size Inches mm	Actual Outside Diameter Inches mm	A Minimum Inches mm	B Maximum Inches mm	X Inches mm	Z Inches mm	Lbs. kg
4 100	4.500 114.3	4.50 114	5.78 147	9.00 229	3.38 86	12.5 5.7
6 150	6.625 168.3	6.63 168	7.97 202	11.00 279	4.00 102	17.3 7.8
8 200	8.625 219.1	8.63 220	10.00 254	13.50 343	4.50 114	30.8 14.0

* Minimum/maximum sealing surface on mating flange must be available for proper gasket seating. Entire area must be flat. Heavy serrated (phonograph record) finishes are not acceptable. When used with rubber seated wafer butterfly valves, a flat metal adapter plate is needed.



TYPICAL FOR ALL SIZES

Orange area of mating face must be free from gouges, undulations or deformities of any type for effective sealing.

GROOVING TOOLS

Roll Grooving Tools



VE272SFS

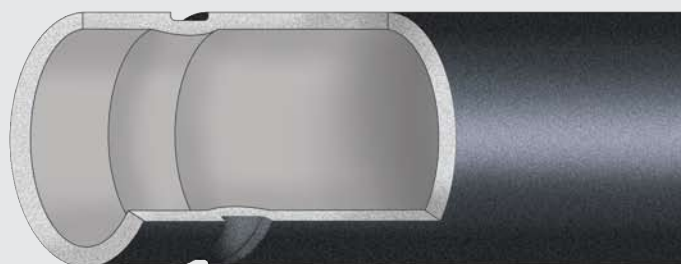
Portable field grade roll groover featuring quick, easy roll changes.



GROOVE N' GO

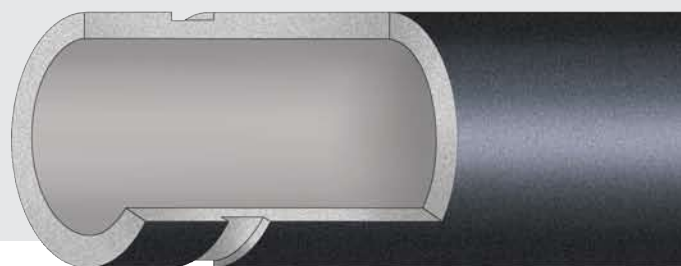
Field grade roll groover mounted on hand truck for easy transport.

Roll Groove



Cut Groove

Request Publication 24.01 for grooving specifications



Cut Grooving Tools



VG28GD

Adjustable job site cut groover for 2 – 8"/50 – 200 mm standard steel pipe.



VG824

Adjustable job site cut groover for 8 – 24"/200 – 600 mm metallic pipe of various wall thicknesses.



POWER MULE

Transportable power supply for our popular cut grooving tools.



VIC-GROOVER®

Portable cut groover designed for manual or power grooving single size pipe.

HOLE CUTTING TOOLS

The hole cut piping system was developed by Victaulic to provide a fast, easy mid-pipe outlet without welding.

Request Publication 24.01 for hole cutting tools

Request Publication 11.02 for Mechanical-T bolted branch outlets



HCT908

Fast, one-piece tool for cutting holes up to 4½"/127.0 mm in carbon and stainless steel pipe.



VHCT900

Fast, three-piece tool for cutting holes up to 3½"/101.6 mm in carbon and stainless steel pipe.



MECHANICAL-T® BOLTED BRANCH OUTLETS

Style 920 and 922 branch outlets provide quick and easy mid-pipe extensions.

Piping. Systems. Solutions.

For information on specific products, or to learn more about how Victaulic can satisfy your oil field operational challenges, contact your local sales representative or visit us on the web at:
www.victaulic.com



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