

1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 – 12"/DN50 – DN300

Pipe Material

- *Victaulic Aquamine* PVC Pipe

Maximum Working Pressure

- 350psi/2400kPa/24 bar

NOTE:

- Working Pressure dependent on pipe diameter, pipe wall thickness, and general component configuration.

Maximum Operating Temperature

- Reference Service Rating table in [Section 5.0](#)

Function

- Ideal for use on water supply, water bypass, dewatering lines and other water services
- Couplings and fittings designed to join *Victaulic Aquamine* pipe
- Not applicable for compressed air services

2.0 CERTIFICATION/LISTINGS



See [Publication 02.06](#) *Victaulic* Potable Water Approvals ANSI/NSF for potable water approvals if applicable.

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

3.0 SPECIFICATIONS – MATERIAL

Pipe: PVC 1120 Type 1, Grade 1 (class 12454) conforming to ASTM D-1784 and ASTM D-2241

Couplings: PVC 1120 Type 1, Grade 1 (class 12454) conforming to ASTM D-1784 and ASTM D-3139

Fittings: PVC 1120 Type 1, Grade 1 (class 12454) conforming to ASTM D-1784 and ASTM D-2241,
Carbon Steel conforming to AISI-1026

O-Rings: Polyisoprene (IR) conforming to ASTM F-477

Spline: Nylon – for higher pressure services, Nylon 66 is used.

Style 2970, Style 2971, Style 2972:

Housing: Ductile Iron conforming to ASTM A536, Grade 65-45-12.

Ductile Iron conforming to ASTM A395, Grade 65-45-15, is available upon special request.

Housing Coating: (specify choice)

Standard: Black Enamel

Optional: Hot Dipped Galvanized conforming to ASTM A123

Optional: Contact Victaulic with your requirements for other coatings.

Gasket: (specify choice)

Grade “E” EPDM

EPDM (Green stripe color code). Temperature range –30°F to +230°F/–34°C to +110°C. May be specified for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL Classified in accordance with ANSI/NSF 61 for cold +73°F/+23°C and hot +180°F/+82°C potable water service and ANSI/NSF 372. NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES OR STEAM SERVICES.

Grade “T” Nitrile

Nitrile (Orange Stripe color code). Temperature range -20°F to +180°F/-29°C to +82°C. May be specified for petroleum products, air with oil vapors, and vegetable and mineral oils within the specified temperature range. Not compatible for hot water services over +150°F/+66°C or for hot dry air over +140°F/+60°C.

NOTE

- The maximum temperature ratings shown exceed the temperature ratings for *Aquamine* pipe.
- Contact Victaulic for more gasket options.

Bolts/Nuts:

Carbon steel oval neck track bolts meeting the mechanical property requirements of ASTM A449 (imperial) and ISO 898-1 Class 9.8 (M10-M16) Class 8.8 (M20 and greater). Carbon steel hex nuts meeting the mechanical property requirements of ASTM A563 Grade B (imperial - heavy hex nuts) and ASTM A563M Class 9 (metric - hex nuts).

Track bolts and hex nuts are zinc electroplated per ASTM B633 FE/ZN5, finish Type III (imperial) or Type II (metric).

Series 2957 Butterfly Valve:

Housing: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Housing Coating: Orange Enamel

Body: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Body Coating: Standard: Black Enamel

Seat: Victaulic® EPDM (Light Green Stripe color code). Temperature range -30°F to +194°F/-34°C to +90°C.
NOT RECOMMENDED FOR PETROLEUM SERVICES OR STEAM SERVICES.

NOTE

- The maximum temperature ratings shown exceed the temperature ratings for *Aquamine* pipe

Bolts/Nuts: Reference Bolts/Nuts specification under Metallic Coupling

Disc: 316 Stainless Steel conforming to ASTM A351 Grade CF8M

Shaft: AISI 416 Stainless Steel

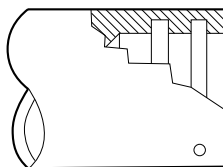
10-Position Lever Lock Handle: Ductile Iron conforming to ASTM A536, Grade 65-45-12, with zinc-plated carbon steel latch plate and zinc-plated carbon steel fasteners

3.0 SPECIFICATIONS – MATERIAL (CONTINUED)

Product End Connection Designations

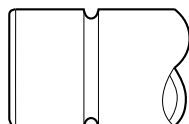
ALF

Aqual Link - Female



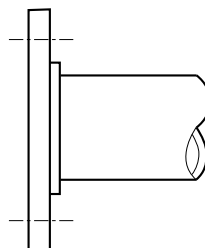
ALM

Aqual Link - Male



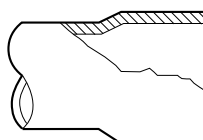
FLG

Flange



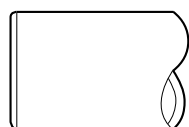
SCF

Solvent Cement - Female



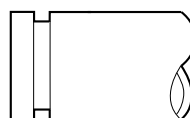
PEM

Plain End - Male



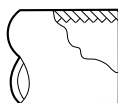
VIC

Victaulic® OGS



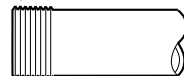
NPT-F

National Pipe
Taper Thread - Female



NPT-M

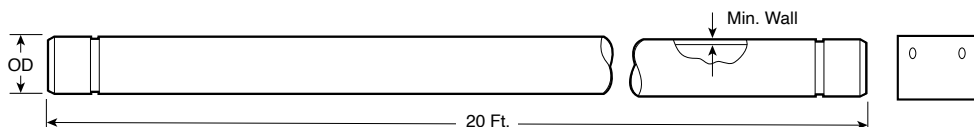
National Pipe
Taper Thread - Male



4.0 DIMENSIONS

Style 2900

Aquamine™ Pipe With Coupling



Size		Dimensions			Weight
Nominal inches DN	Actual Outside Diameter OD inches mm	SDR	Minimum Wall Thickness inches mm	Maximum Working Pressure ¹ psi kPa	Approximate Per Foot lb kg
2 DN50	2.375 60.3	17	0.140 3.56	250 1724	0.69 0.3
		21	0.113 2.87	200 1379	0.57 0.3
3 DN80	3.500 88.9	17	0.206 5.23	250 1724	1.45 0.7
		21	0.167 4.24	200 1379	1.19 0.5
4 DN100	4.500 114.3	12.4	0.363 9.22	350 2413	2.96 1.3
		17	0.265 6.73	250 1724	2.40 1.1
		21	0.214 5.44	200 1379	1.96 0.9
		26	0.173 4.39	160 1103	1.60 0.7
6 DN150	6.625 168.3	12.4	0.534 13.56	350 2413	6.42 2.9
		17	0.390 9.91	250 1724	5.20 2.4
		21	0.316 8.03	200 1379	4.26 1.9
		26	0.255 6.48	160 1103	3.46 1.6
8 DN200	8.625 219.1	12.4	0.696 17.68	350 2413	11.03 5.0
		17	0.508 12.90	250 1724	8.81 4.0
		21	0.410 10.41	200 1379	7.21 3.3
		26	0.332 8.43	160 1103	5.91 2.7
10 DN250	10.750 273.0	26	0.413 10.49	160 1103	9.20 4.2
12 DN300	12.750 323.9	26	0.490 12.45	160 1103	12.98 5.9

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

NOTES

- Aquamine pipe is sold in 20 ft. lengths with one coupling included, but packed separately.
- Specify standard or beveled coupling when ordering.
- Refer to Price List for 'Pipe Only' option.

4.1 DIMENSIONS

Aquamine™ Pipe

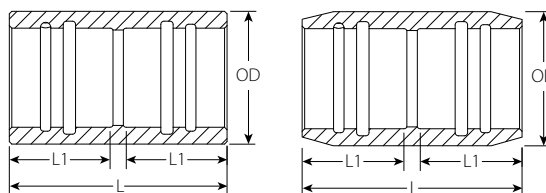
Pallet Pack and Truckload Quantities

Size		Feet Per Pallet Pack	Packs Per Truck	Feet Per Truck
Nominal inches DN	Actual Outside Diameter inches mm			
2 DN50	2.375 60.3	2,100	24	50,400
3 DN80	3.500 88.9	920	24	22,080
4 DN100	4.500 114.3	520	24	12,480
4 HP DN100	4.500 114.3	520	24	12,480
6 DN150	6.625 168.3	400	20	8,000
6 HP DN150	6.625 168.3	400	16	6,400
8 DN200	8.625 219.1	280	16	4,480
8 HP DN200	8.625 219.1	280	14	3,920
10 DN250	10.750 273.0	160	16	2,560
12 DN300	12.750 323.9	160	12	1,920

4.2 DIMENSIONS

Style 2904

Female x Female Coupling (ALF x ALF)



Size		Maximum Joint Working Pressure ¹	Dimensions			Weight Approximate (Each)
Nominal	Actual Outside Diameter		L	L1	OD	
inches DN	inches mm	psi kPa	inches mm	inches mm	inches mm	lb kg
2 DN50	2.375 60.3	250 1724	5.25 133.4	2.50 63.5	3.20 81.3	0.9 0.4
3 DN80	3.500 88.9	250 1724	7.25 184.2	3.50 88.9	4.38 111.3	1.9 0.9
4 DN100	4.500 114.3	250 1724	8.25 209.6	4.00 101.6	5.47 138.9	3.1 1.4
4 HP DN100	4.500 114.3	350 2413	8.25 209.6	4.00 101.6	6.00 152.4	5.0 2.3
6 DN150	6.625 168.3	250 1724	8.25 209.6	4.00 101.6	7.84 199.1	5.6 2.5
6 HP DN150	6.625 168.3	350 2413	8.25 209.6	4.00 101.6	8.72 221.4	10.5 4.8
8 DN200	8.625 219.1	200 1379	9.50 241.3	4.60 116.8	10.19 258.8	11.1 5.0
		250 1724				
		350 2413				
8 HP DN200	8.625 219.1	350 2413	9.50 241.3	4.60 116.8	10.75 273.1	15.2 6.9
10 DN250	10.750 273.0	160 1103	12.00 304.8	5.32 135.2	12.44 316.0	18.0 8.2
12 DN300	12.750 323.9	160 1103	12.00 304.8	5.32 135.2	14.65 372.1	24.2 11.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

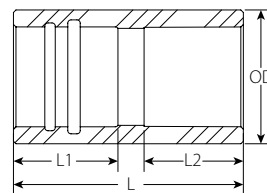
NOTES

- Specify standard or beveled coupling when ordering.
- The 250 psi/1724 kPa rated 8"/DN200 coupling is the 200 psi/1379 kPa rated 8"/DN200 coupling with high pressure splines.

4.3 DIMENSIONS

Style 2905

Female x Solvent Cement (Female) Coupling (ALF x SCF)



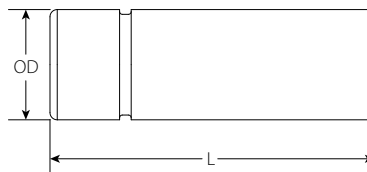
Size		Maximum Joint Working Pressure ¹	Dimensions				Weight
Nominal inches DN	Actual Outside Diameter inches mm		L inches mm	L1 inches mm	L2 inches mm	OD inches mm	Approximate (Each) lb kg
2	2.375	250	5.50	2.50	2.38	3.20	1.0
DN50	60.3	1724	139.7	63.5	60.3	81.3	0.5
3	3.500	250	8.00	3.50	3.50	4.38	2.2
DN80	88.9	1724	203.2	88.9	88.9	111.3	1.0
4	4.500	250	9.00	4.00	4.00	5.47	3.4
DN100	114.3	1724	228.6	101.6	101.6	138.9	1.5
6	6.625	250	9.00	4.00	4.00	7.84	6.3
DN150	168.3	1724	228.6	101.6	101.6	199.1	2.9
8	8.625	200	10.00	4.60	4.50	10.19	12.2
DN200	219.1	1379	254.0	116.8	114.3	258.8	5.5
10	10.750	160	12.00	5.32	5.75	12.44	18.7
DN250	273.0	1103	304.8	135.2	146.1	316.0	8.5
12	12.750	160	12.00	5.32	5.75	14.65	24.7
DN300	323.9	1103	304.8	135.2	146.1	372.1	11.2

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.4 DIMENSIONS

Style 2906

Aquamine™ Groove x Solvent Cement (ALM x PEM)



Size		Maximum Joint Working Pressure ¹	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	7.00 177.8	1.0 0.5
3 DN80	3.500 88.9	250 1724	9.00 228.6	2.2 1.0
4 DN100	4.500 114.3	250 1724	10.00 254.0	3.4 1.5
6 DN150	6.625 168.3	250 1724	12.00 304.8	6.3 2.9
8 DN200	8.625 219.1	200 1379	13.50 342.9	12.2 5.5
10 DN250	10.750 273.0	160 1103	16.00 406.4	18.7 8.5
12 DN300	12.750 323.9	160 1103	16.00 406.4	24.7 11.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

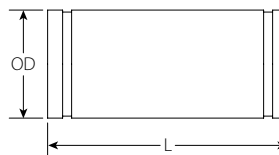
NOTE

- Style 2906 comes pre-chamfered; no fitting preparation required.

4.5 DIMENSIONS

Style 2907

Aquamine™ Groove x Victaulic® Original Groove System (ALM x OGS)



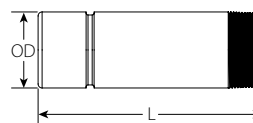
Size		Maximum Joint Working Pressure ¹	Material	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm			L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	PVC	7.00 177.8	0.5 0.2
			Steel	5.00 127.0	2.4 1.1
3 DN80	3.500 88.9	250 1724	PVC	9.00 228.6	1.4 0.6
			Steel	6.00 152.4	5.3 2.4
4 DN100	4.500 114.3	240 1655	PVC	10.00 254.0	2.4 1.1
4 HP DN100	4.500 114.3	350 2413	Steel	6.00 152.4	5.5 2.5
6 DN150	6.625 168.3	160 1103	PVC	12.00 304.8	5.5 2.5
6 HP 150	6.625 168.3	350 2413	Steel	7.00 177.8	10.0 4.5
8 DN200	8.625 219.1	120 827	PVC	13.50 342.9	9.3 4.2
8 HP DN200	8.625 219.1	350 2413	Steel	7.50 190.5	14.5 6.6
10 DN250	10.750 273.0	100 689	PVC	16.00 406.4	14.2 6.4
12 DN300	12.750 323.9	80 552	PVC	16.00 406.4	20.0 9.1

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.6 DIMENSIONS

Style 2908

Aquamine™ Groove x Male Thread Nipple (ALM x NPT-M)



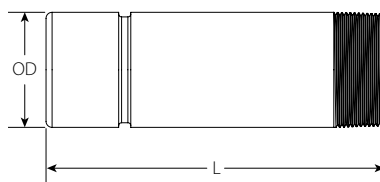
Size		Maximum Joint Working Pressure ¹	Material	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm			L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	200 1379	PVC	7.00 177.8	1.0 0.5
2 HP DN50	2.375 60.3	250 1724	Steel	5.00 127.0	2.4 1.1
3 DN80	3.500 88.9	190 1310	PVC	9.00 228.6	2.2 1.0
3 HP DN80	3.500 88.9	250 1724	Steel	6.00 152.4	5.3 2.4
4 DN100	4.500 114.3	160 1103	PVC	10.00 254.0	3.4 1.5
4 HP DN100	4.500 114.3	350 2413	Steel	6.00 152.4	7.0 3.2
6 DN150	6.625 168.3	140 965	PVC	12.00 304.8	6.3 2.9
6 HP DN150	6.625 168.3	350 2413	Steel	7.00 177.8	12.3 5.6
8 DN200	8.625 219.1	120 827	PVC	13.50 342.9	12.2 5.5
8 HP DN200	8.625 219.1	350 2413	Steel	7.50 190.5	17.3 7.8
10 DN250	10.750 273.0	120 827	PVC	16.00 406.4	18.7 8.5
12 DN300	12.750 323.9	110 758	PVC	16.00 406.4	24.7 11.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.7 DIMENSIONS

Style 2909

Solvent-Cement x Male Thread Nipple (PEM x NPT-M)



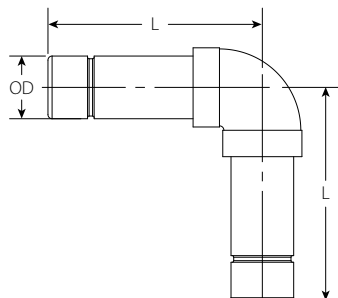
Size		Maximum Joint Working Pressure ¹	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	200 1379	7.00 177.8	0.5 0.2
3 DN80	3.500 88.9	190 1310	9.00 228.6	1.4 0.6
4 DN100	4.500 114.3	160 1103	10.00 254.0	2.4 1.1
6 DN150	6.625 168.3	140 965	12.00 304.8	5.5 2.5
8 DN200	8.625 219.1	120 827	13.50 342.9	9.3 4.2
10 DN250	10.750 273.0	120 827	16.00 406.4	14.2 6.4
12 DN300	12.750 323.9	110 758	16.00 406.4	20.0 9.1

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.8 DIMENSIONS

Style 2910

Aquamine™ Groove × Aquamine Groove 90° Elbow (ALM × ALM)

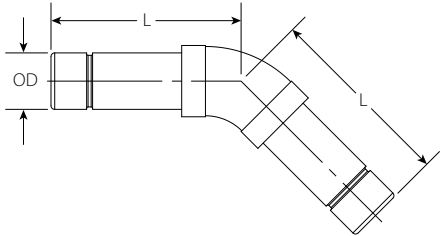


Size		Maximum Joint Working Pressure ¹	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	8.41 213.6	1.8 0.8
3 DN80	3.500 88.9	250 1724	11.06 280.9	4.6 2.1
4 DN100	4.500 114.3	250 1724	12.59 319.8	8.0 3.6
6 DN150	6.625 168.3	250 1724	15.81 401.6	19.6 8.9
8 DN200	8.625 219.1	200 1379	18.28 464.3	34.4 15.6
10 DN250	10.750 273.0	160 1103	21.78 553.2	57.2 25.9
12 DN300	12.750 323.9	160 1103	23.00 584.2	83.9 38.1

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.9 DIMENSIONS

Style 2912
Aquamine™ Groove × Aquamine Groove 45° Elbow (ALM × ALM)

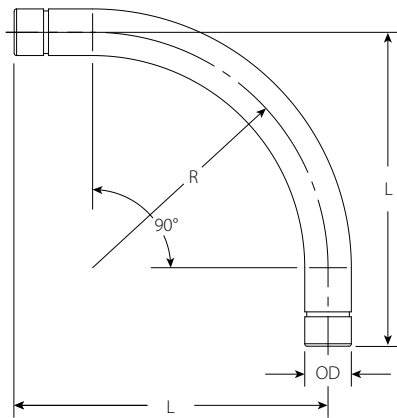


Size		Maximum Joint Working Pressure ¹	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	7.63 193.8	1.7 0.8
3 DN80	3.500 88.9	250 1724	9.91 251.7	3.9 1.8
4 DN100	4.500 114.3	250 1724	11.06 280.9	7.0 3.2
6 DN150	6.625 168.3	250 1724	13.75 349.3	16.4 7.4
8 DN200	8.625 219.1	200 1379	15.50 393.7	28.7 13.0
10 DN250	10.750 273.0	160 1103	18.59 472.2	47.4 21.5
12 DN300	12.750 323.9	160 1103	19.13 485.9	72.7 33.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.10 DIMENSIONS

Style 2913
Aquamine™ Groove × Aquamine Groove 90° Elbow (ALM × ALM)



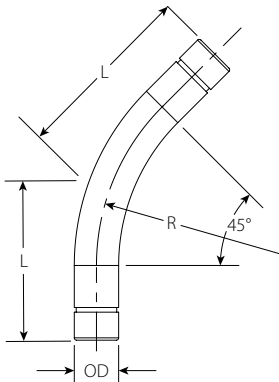
Size		Maximum Joint Working Pressure ¹	Dimensions		Weight
Nominal	Actual Outside Diameter OD		R	L	Approximate (Each)
inches DN	inches mm	psi kPa	inches mm	inches mm	lb kg
2	2.375	250	12.00	16.00	1.8
DN50	60.3	1724	304.8	406.4	0.8
3	3.500	250	18.00	24.00	4.6
DN80	88.9	1724	457.2	609.6	2.1
4	4.500	250	21.50	27.50	8.0
DN100	114.3	1724	546.1	698.5	3.6
4 HP	4.500	350	21.50	27.50	10.2
DN100	114.3	2413	546.1	698.5	4.6
6	6.625	250	29.00	37.00	19.6
DN150	168.3	1724	736.6	939.8	8.9
6 HP	6.625	350	29.00	37.00	25.0
DN150	168.3	2413	736.6	939.8	11.5
8	8.625	200	30.00	43.00	34.4
DN200	219.1	1379	762.0	1092.2	15.5
8 HP	8.625	350	30.00	43.00	45.0
DN200	219.1	2413	762.0	1092.2	20.5
10 ²	10.750	160	66.00	82.00	57.2
DN250	273.0	1103	1676.4	2082.8	26.0
12 ²	12.750	160	66.00	82.00	83.9
DN300	323.9	1103	1676.4	2082.8	38.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

² Fabricated fittings

4.11 DIMENSIONS

Style 2914
Aquamine™ Groove 45° Sweep (ALM × ALM)



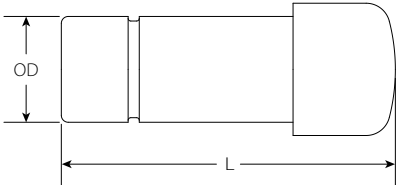
Size		Maximum Joint Working Pressure ¹	Dimensions		Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		R inches mm	L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	12.00 304.8	8.75 222.3	1.3 0.6
3 DN80	3.500 88.9	250 1724	18.00 457.2	13.00 330.2	4.1 1.9
4 DN100	4.500 114.3	250 1724	21.50 546.1	14.25 362.0	6.9 3.1
4 HP DN100	4.500 114.3	350 2413	21.50 546.1	14.25 362.0	9.4 4.3
6 DN150	6.625 168.3	250 1724	29.00 736.6	19.13 485.9	17.9 8.1
6 HP DN150	6.625 168.3	350 2413	29.00 736.6	19.13 485.9	27.3 12.4
8 DN200	8.625 219.1	200 1379	30.00 762.0	24.50 622.3	29.9 13.5
8 HP DN200	8.625 219.1	350 2413	30.00 762.0	24.50 622.3	45.8 21.0
10 ² DN250	10.750 273.0	160 1103	66.00 1676.4	41.50 1054.1	75.0 34.0
12 ² DN300	12.750 323.9	160 1103	66.00 1676.4	41.50 1054.1	105.4 48.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

² Fabricated fittings

4.12 DIMENSIONS

Style 2915
Aquamine™ Groove End Cap (ALM)



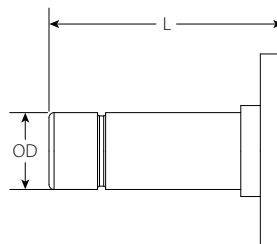
Size		Maximum Joint Working Pressure ¹	Dimensions	Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	7.50 190.5	1.0 0.5
3 DN80	3.500 88.9	250 1724	10.00 254.0	2.2 1.0
4 DN100	4.500 114.3	250 1724	11.00 279.4	3.7 1.7
6 DN150	6.625 168.3	250 1724	14.00 355.6	8.5 3.9
8 DN200	8.625 219.1	200 1379	17.50 444.5	15.5 7.0
10 DN250	10.750 273.0	160 1103	18.50 469.9	22.4 10.0
12 DN300	12.750 323.9	160 1103	19.50 495.3	32.0 14.5

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.13 DIMENSIONS

Style 2916

Aquamine™ Groove × Flange Transition (ALM × FLG)

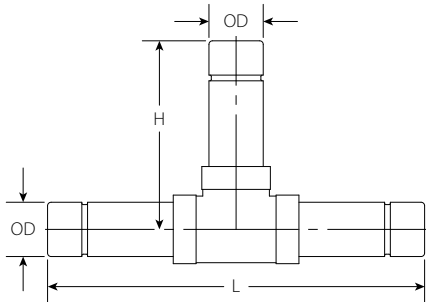


Size		Maximum Joint Working Pressure ¹	Dimensions						Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	Flange Thickness inches mm	Bolt Circle inches mm	Flange OD inches mm	# of Bolts	Bolt Size inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	150 1034	7.25 184.2	0.88 22.4	4.75 120.7	6.00 152.4	4	5/8 M16	1.5 0.7
3 DN80	3.500 88.9	150 1034	9.25 235.0	1.13 28.7	6.00 152.4	7.50 190.5	4	5/8 M16	3.2 1.5
4 DN100	4.500 114.3	150 1034	10.25 260.4	1.19 30.2	7.50 190.5	9.09 230.9	8	5/8 M16	5.2 2.4
6 DN150	6.625 168.3	150 1034	12.25 311.2	1.38 35.1	9.50 241.3	11.00 279.4	8	3/4 M20	10.0 4.5
8 DN200	8.625 219.1	150 1034	13.88 352.6	1.50 38.1	11.75 298.5	13.56 344.4	8	3/4 M20	16.0 7.3
10 DN250	10.750 273.0	150 1034	16.50 419.1	1.78 45.2	14.25 362.0	16.06 407.9	12	7/8 M22	25.5 11.5
12 DN300	12.750 323.9	150 1034	16.50 419.1	1.81 46.0	17.00 431.8	19.00 482.6	12	7/8 M22	37.9 17.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.14 DIMENSIONS

Style 2917
Aquamine™ Groove Tee (ALM × ALM × ALM)

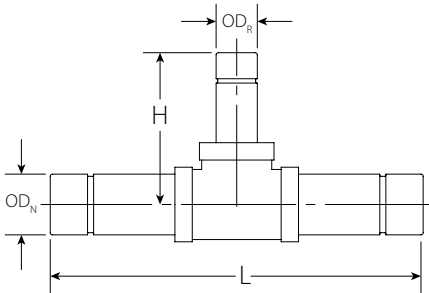


Size		Maximum Joint Working Pressure ¹	Dimensions		Weight
Nominal inches DN	Actual Outside Diameter OD inches mm		L inches mm	H inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	250 1724	16.50 419.1	8.25 209.6	2.6 1.2
3 DN80	3.500 88.9	250 1724	21.50 546.1	10.75 273.1	6.5 2.9
4 DN100	4.500 114.3	250 1724	24.75 628.7	12.38 314.5	10.5 4.8
6 DN150	6.625 168.3	250 1724	31.00 787.4	15.50 393.7	27.1 12.5
8 DN200	8.625 219.1	200 1379	36.25 920.8	18.13 460.5	27.8 12.5
10 DN250	10.750 273.0	160 1103	45.38 1152.7	22.70 576.6	42.6 19.5
12 DN300	12.750 323.9	160 1103	45.00 1143.0	22.50 571.5	60.0 27.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.15 DIMENSIONS

Style 2918
Aquamine™ Groove Reducing Tee (ALM × ALM × ALM)



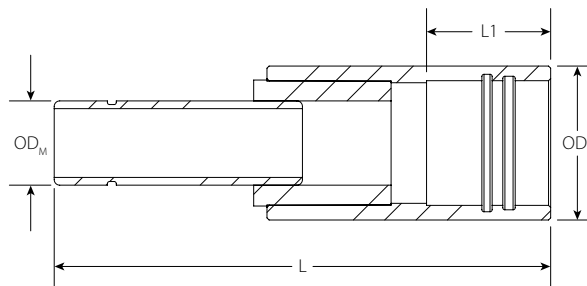
Size							Maximum Joint Working Pressure ¹	Dimensions		Weight			
Nominal inches DN			Actual Outside Diameter OD _N × OD _N × OD _R					L inches mm	H inches mm	Approximate (Each) lb kg			
			inches										
			mm										
3 DN80	×	3 DN80	×	2 DN50	3.500 88.9	×	3.500 88.9	×	2.375 60.3	250 1724	21.50 546.1	8.75 222.3	3.3 1.5
4 DN100	×	4 DN100	×	2 DN50	4.500 114.3	×	4.500 114.3	×	2.375 60.3	250 1724	24.75 628.7	9.38 238.3	5.4 2.4
				3 DN80					3.500 88.9	250 1724	24.75 628.7	11.38 289.1	6.3 2.9
6 DN150	×	6 DN150	×	2 DN50	6.625 168.3	×	6.625 168.3	×	2.375 60.3	250 1724	31.00 787.4	10.50 266.7	11.5 5.2
				3 DN80					3.500 88.9	250 1724	31.00 787.4	12.50 317.5	12.3 5.6
				4 DN100					4.500 114.3	250 1724	31.00 787.4	13.50 342.9	13.4 6.1
8 DN200	×	8 DN200	×	4 DN100	8.625 219.1	×	8.625 219.1	×	4.500 114.3	200 1379	36.25 920.8	14.63 371.6	21.0 9.5
				6 DN150					6.625 168.3	200 1379	36.25 920.8	16.63 422.4	24.0 11.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.16 DIMENSIONS

Style 2919

Aquamine™ Groove × Aquamine Groove Reducer (ALF × ALM)



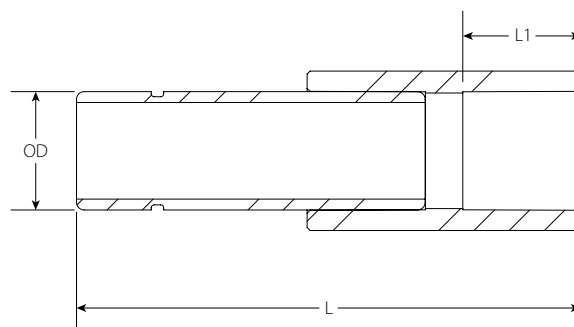
Size		Maximum Joint Working Pressure ¹	Dimensions				Weight	
Nominal inches DN	Actual Outside Diameter inches mm		L inches mm	L ₁ inches mm	OD _M inches mm	OD _F inches mm	Approximate (Each) lb kg	
3 DN80	2 DN50	250 1724	14.00 355.6	3.50 88.9	2.375 60.3	4.380 111.3	4.0 1.8	
4 DN100	2 DN50	250 1724	15.25 387.4	4.00 101.6	2.375 60.3	5.470 138.9	5.2 2.4	
	3 DN80	250 1724	15.56 395.2	4.00 101.6	3.500 88.9	5.470 138.9	5.6 2.5	
6 DN150	2 DN50	250 1724	15.75 400.1	4.00 101.6	2.375 60.3	7.840 199.1	9.9 4.5	
	3 DN80	250 1724	16.50 419.1	4.00 101.6	3.500 88.9	7.840 199.1	10.6 4.8	
	4 DN100	250 1724	17.38 441.5	4.00 101.6	4.500 114.3	7.840 199.1	11.5 5.2	
8 DN200	2 DN50	200 1379	17.00 431.8	4.60 116.8	2.375 60.3	10.190 258.8	23.4 10.5	
	4 DN100	200 1379	15.63 397.0	4.60 116.8	4.500 114.3	10.190 258.8	30.0 13.5	
	6 DN150	200 1379	18.50 469.9	4.60 116.8	6.625 168.3	10.190 258.8	23.5 10.5	
10 DN250	8 DN200	160 1103	19.75 501.7	5.32 135.2	8.625 219.1	12.440 316.0	34.1 15.5	
12 DN300	8 DN200	160 1103	22.25 565.2	5.32 135.2	8.625 219.1	14.650 372.1	43.9 20.0	

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.17 DIMENSIONS

Style 2920

Aquamine™ Groove x Solvent-Cement Transition (ALM x SCF)



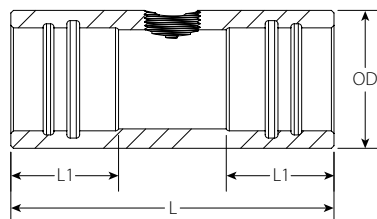
Size		Maximum Joint Working Pressure ¹	Dimensions		Weight
Nominal	Actual Outside Diameter OD		L	L1	Approximate (Each)
inches DN	inches mm	psi kPa	inches mm	inches mm	lb kg
2 DN50	2.375 60.3	250 1724	10.13 257.3	2.38 60.3	1.2 0.5
3 DN80	3.500 88.9	250 1724	13.50 342.9	3.50 88.9	2.4 1.1
4 DN100	4.500 114.3	250 1724	15.00 381.0	4.00 101.6	3.5 1.6
6 DN150	6.625 168.3	250 1724	17.00 431.8	4.00 101.6	8.4 3.8
8 DN200	8.625 219.1	200 1379	19.00 482.6	4.50 114.3	16.2 7.3
10 DN250	10.750 273.0	160 1103	22.25 565.2	5.75 146.1	28.7 13.0
12 DN300	12.750 323.9	160 1103	22.25 565.2	5.75 146.1	37.6 17.0

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.18 DIMENSIONS

Style 2930

Aquamine™ Groove Outlet Coupling (ALF × ALF × NPT-F)



Size				Maximum Joint Working Pressure psi kPa	Dimensions			Weight		
Nominal inches DN		Actual Outside Diameter inches mm			L inches mm	L ₁ inches mm	OD inches mm	Approximate (Each) lb kg		
2 DN50	×	¾ DN20	2.375 60.3	×	1.050 26.9	200 1379	6.50 165.1	2.50 63.5	3.20 81.3	1.2 0.5
		1 DN25			1.315 33.7					
3 DN80	×	¾ DN20	3.500 88.9	×	1.050 26.9	200 1379	9.50 241.3	3.50 88.9	4.38 111.3	2.6 1.2
		1 DN25			1.315 33.7					
		1½ DN40			1.900 48.3	160 1103				
4 DN100	×	¾ DN20	4.500 114.3	×	1.050 26.9	200 1379	10.50 266.7	4.00 101.6	5.47 138.9	4.0 1.8
		1 DN25			1.315 33.7					
		1½ DN40			1.900 48.3	160 1103				
		2 DN50			2.375 60.3					
4 HP ³ DN100	×	¾ DN20	4.500 114.3	×	1.050 26.9	200 1379	10.50 266.7	4.00 101.6	6.00 152.4	5.0 2.3
		1 DN25			1.315 33.7					
		1½ DN40			1.900 48.3	160 1103				
6 DN150	×	¾ DN20	6.625 168.3	×	1.050 26.9	200 1379	10.50 266.7	4.00 101.6	7.84 199.1	7.3 3.3
		1 DN25			1.315 33.7					
		1½ DN40			1.900 48.3	160 1103				
		2 DN50			2.375 60.3					
6 HP ³ DN150	×	¾ DN20	6.625 168.3	×	1.050 26.9	200 1379	10.50 266.7	4.00 101.6	8.72 221.5	10.5 4.8
		1 DN25			1.315 33.7					
		1½ DN40			1.900 48.3					

Table continued on page 23

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

³ Style 2930 HP couplings provide additional outlet thread engagement compared to standard 2930 couplings.

4.18 DIMENSIONS (CONTINUED)

Style 2930

Aquamine™ Groove Outlet Coupling (ALF × ALF × NPT-F)

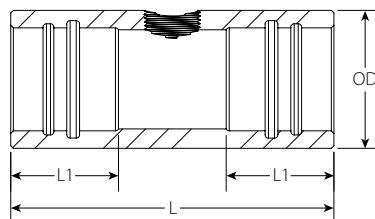


Table continued from page 22

Size		Maximum Joint Working Pressure psi kPa	Dimensions			Weight Approximate (Each) lb kg
Nominal inches DN	Actual Outside Diameter inches mm		L inches mm	L1 inches mm	OD inches mm	
8 DN200	× ¾ DN20	200 1379	11.75 298.5	4.60 116.8	10.19 258.8	13.6 6.2
	1 DN25					
	1½ DN40					
	2 DN50					
	2 DN50	160 1103				
8 HP ³ DN200	× ¾ DN20	200 1379	11.75 298.5	4.60 116.8	10.75 273.1	15.2 6.9
	1 DN25					
	1½ DN40					
	2 DN50					
	2 DN50	160 1103				
10 DN250	× ¾ DN20	160 1103	15.00 381.0	5.32 135.2	12.44 316.0	22.0 10.0
	1 DN25					
	1½ DN40					
	2 DN50					
	2 DN50					
12 DN300	× ¾ DN20	160 1103	15.00 381.0	5.32 135.2	14.65 372.1	29.1 13.0
	1 DN25					
	1½ DN40					
	2 DN50					
	2 DN50					

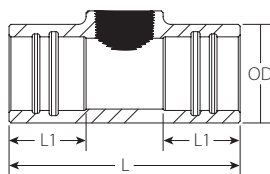
¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

³ Style 2930 HP couplings provide additional outlet thread engagement compared to standard 2930 couplings.

4.19 DIMENSIONS

Style 2937

Aquamine™ Groove Formed Outlet Fitting



Size Run × Outlet		Maximum Joint Working Pressure ¹ psi kPa	Dimensions			Weight Approximate (Each) lb kg
Nominal inches DN	Actual Outside Diameter inches mm		L inches mm	L1 inches mm	OD inches mm	
2 DN50	1 DN25	250 1724	7.50 190.5	2.50 63.5	3.20 81.3	1.5 0.7
3 DN80	1 DN25	250 1724	11.00 279.4	3.50 88.9	4.38 111.3	3.1 14
4 DN100	1 DN25	250 1724	12.00 304.8	4.00 101.6	5.47 138.9	4.7 2.1
6 DN150	1 DN25	250 1724	12.00 304.8	4.00 101.6	7.84 199.1	8.5 3.9

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

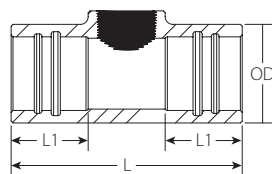
NOTE

- The pressure ratings noted above are based upon the capability of the female threaded socket. If a plastic threaded pipe nipple is used, the rating will be based upon values cited in ASTM-D1785 for Schedule 80 threaded pipe nipples.

4.20 DIMENSIONS

Style 2938

Aquamine™ Groove Formed Outlet Fitting



Size Run × Outlet				Maximum Joint Working Pressure ¹ psi kPa	Dimensions			Weight Approximate (Each) lb kg
Nominal inches DN		Actual Outside Diameter inches mm			L inches mm	L1 inches mm	OD inches mm	
3 DN80	×	1 ½ DN40		250 1724	11.00 279.4	3.50 88.9	4.38 111.3	3.1 1.4
4 DN100	×	1 ½ DN40		250 1724	12.00 304.8	4.00 101.6	5.47 138.9	4.7 2.1
6 DN150	×	1 ½ DN40		250 1724	12.00 304.8	4.00 101.6	7.84 199.1	8.5 3.9

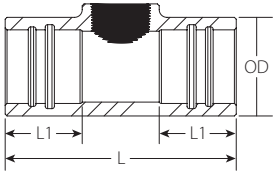
¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

NOTE

- The pressure ratings noted above are based upon the capability of the female threaded socket. If a plastic threaded pipe nipple is used, the rating will be based upon values cited in ASTM-D1785 for Schedule 80 threaded pipe nipples.

4.21 DIMENSIONS

Style 2939
Aquamine™ Groove Formed Outlet Fitting



Size Run × Outlet		Maximum Joint Working Pressure ¹ psi kPa	Dimensions			Weight Approximate (Each) lb kg
Nominal inches DN	Actual Outside Diameter inches mm		L inches mm	L1 inches mm	OD inches mm	
4 × 2 DN100 × DN50	4.500 × 2.375 114.3 × 60.3	250 1724	12.00 304.8	4.00 101.6	5.47 138.9	4.7 2.1
6 × 2 DN150 × DN50	6.625 × 2.375 168.3 × 60.3	250 1724	12.00 304.8	4.00 101.6	7.84 199.1	8.5 3.9

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

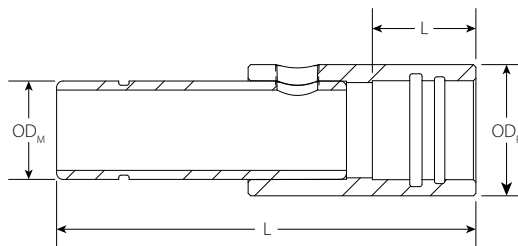
NOTE

- The pressure ratings noted above are based upon the capability of the female threaded socket. If a plastic threaded pipe nipple is used, the rating will be based upon values cited in ASTM-D1785 for Schedule 80 threaded pipe nipples.

4.22 DIMENSIONS

Style 2940

Aquamine™ Groove Outlet Fitting (ALF × ALM × NPT-F)

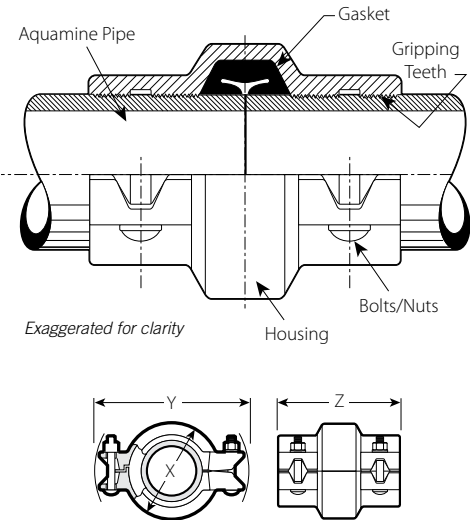


Size				Maximum Joint Working Pressure ¹ psi kPa	Dimensions				Weight							
Nominal inches DN		Actual Outside Diameter inches mm			L inches mm	L ₁ inches mm	OD _F inches mm	OD _M inches mm	Approximate (Each) lb kg							
2 DN50	×	¾ DN20	2.375 60.3	×	1.050 26.9	250 1724	10.13 257.2	2.50 63.5	3.20 81.3	2.375 60.3	1.5 0.7					
		1 DN25			1.315 33.7											
3 DN80	×	¾ DN20	3.500 88.9	×	1.050 26.9	250 1724	13.50 342.9	3.50 88.9	4.38 111.3	3.500 88.9	3.6 1.6					
		1 DN25			1.315 33.7											
		1½ DN40			1.900 48.3											
4 DN100	×	¾ DN20	4.500 114.3	×	1.050 26.9	250 1724	15.00 381.0	4.00 101.6	5.47 138.9	4.500 114.3	5.9 2.7					
		1 DN25			1.315 33.7											
		1½ DN40			1.900 48.3											
6 DN150	×	¾ DN20	6.625 168.3	×	1.050 26.9	250 1724	17.00 431.8	4.00 101.6	7.84 199.1	6.625 168.3	11.8 5.4					
		1 DN25			1.315 33.7											
		1½ DN40			1.900 48.3											
		2 DN50			2.375 60.3											
8 DN200	×	¾ DN20	8.625 219.1	×	1.050 26.9	200 1379	19.00 482.6	4.60 116.8	10.19 258.8	8.625 219.1	21.5 9.8					
		1 DN25			1.315 33.7											
		1½ DN40			1.900 48.3											
		2 DN50			2.375 60.3											
10 DN250	×	¾ DN20	10.750 273.0	×	1.050 26.9	160 1103	22.25 565.2	5.32 135.2	12.44 316.0	10.750 273.1	32.9 15.0					
		1 DN25			1.315 33.7											
		1½ DN40			1.900 48.3											
		2 DN50			2.375 60.3											
12 DN300	×	¾ DN20	12.750 323.9	×	1.050 26.9	160 1103	22.25 565.2	5.32 135.2	14.65 372.1	12.750 323.9	44.7 20.5					
		1 DN25			1.315 33.7											
		1½ DN40			1.900 48.3											
		2 DN50			2.375 60.3											

¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

4.23 DIMENSIONS

Style 2970
Aquamine™ Plain End Pipe Coupling



Size		Maximum Joint Working Pressure ¹	Dimensions			No. Bolts	Bolt/Nut Size	Weight
Nominal inches DN	Actual Outside Diameter inches mm		X inches mm	Y inches mm	Z inches mm	Required Quantity	inches	Approximate (Each) lb kg
2 DN50	2.375 60.3	350 2413	3.64 92	5.94 151	3.62 92	2	½ x 2 ½	3.5 1.6
3 DN80	3.500 88.9	350 2413	4.58 116	6.95 177	4.56 116	4	½ x 2 ¾	7.7 3.5
4 DN100	4.500 114.3	350 2413	5.88 149	8.09 205	5.75 146	4	½ x 2 ¾	11.6 5.3
6 DN150	6.625 168.3	350 2413	8.00 203	10.84 275	5.88 149	4	⅝ x 3 ¼	16.4 7.4
8 DN200	8.625 219.1	350 2413	10.19 259	13.22 336	6.03 153	4	⅝ x 3 ¼	24.9 11.5

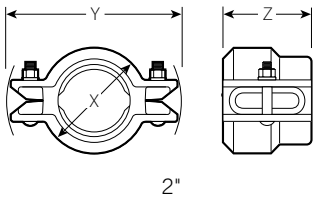
¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

NOTES

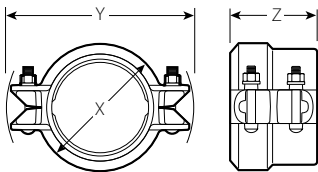
- Working pressure and End Load are total, from all internal and external loads, based on proper coupling assembly with bolts pads metal-to-metal, on *Aquamine* PVC pipe. Couplings are designed to be used with plain end pipe.
- Metric thread size bolts (plated) are available (color coded) for all coupling sizes upon request. Contact Victaulic for details.
- WARNING: Piping systems must always be depressurized and drained before attempting disassembly and removal of any *Aquamine* piping products.

4.24 DIMENSIONS

Style 2971
Aquamine™ Plain-End PVC to Plain-End HDPE Transition Coupling



2"



3 – 8"

Size		Maximum Joint Working Pressure ¹	Dimensions			No. Bolts	Bolt/Nut Size	Weight
Nominal inches DN	Actual Outside Diameter inches mm		X inches mm	Y inches mm	Z inches mm	Required Quantity	inches	Approximate (Each) lb kg
2 DN50	2.375 60.3	350 2413	3.64 92	5.94 151	3.62 92	2	½ x 2½	3.5 1.6
3 DN80	3.500 88.9	350 2413	4.58 116	6.95 177	4.56 116	4	½ x 2¾	7.7 3.5
4 DN100	4.500 114.3	350 2413	5.88 149	8.09 205	5.75 146	4	½ x 2¾	11.6 5.3
6 DN150	6.625 168.3	350 2413	8.00 203	10.84 275	5.88 149	4	⅝ x 3¼	16.4 7.4
8 DN200	8.625 219.1	350 2413	10.48 266	13.22 336	6.03 153	4	⅝ x 3¼	24.9 11.5

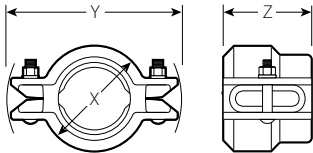
¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

NOTE

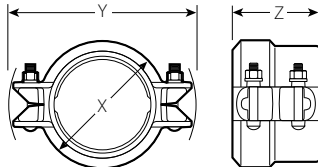
- The maximum working pressure shown may be limited by the pressure ratings of the HDPE pipe.

4.25 DIMENSIONS

Style 2972
Aquamine™ Plain-End PVC to OGS Groove



2"/DN50



3 – 8"/DN80 – DN200

Size		Maximum Joint Working Pressure ¹	Dimensions			No. Bolts	Bolt/Nut Size	Weight
Nominal inches DN	Actual Outside Diameter inches mm		X inches mm	Y inches mm	Z inches mm	Required Quantity	inches	Approximate (Each) lb kg
2 DN50	2.375 60.3	350 2413	3.31 84	5.22 133	2.78 71	2	3/8 x 2	3.5 1.6
3 DN80	3.500 88.9	350 2413	4.38 111	6.99 178	3.20 81	4	1/2 x 2 3/4	7.7 3.5
4 DN100	4.500 114.3	350 2413	5.68 144	8.25 210	3.90 99	4	1/2 x 2 3/4	11.6 5.3
6 DN150	6.625 168.3	350 2413	7.84 199	11.25 286	4.00 102	4	5/8 x 3 1/4	16.4 7.4
8 DN200	8.625 219.1	350 2413	10.18 259	13.96 355	4.16 106	4	5/8 x 3 1/4	24.9 11.5

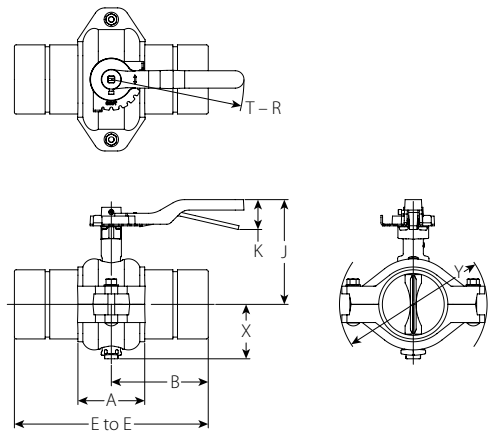
¹ Maximum working pressure subject to pressure de-rating coefficient at sustained elevated service temperature; reference [Section 5.0](#)

NOTES

- Working pressure and End Load are total, from all internal and external loads, based on proper coupling assembly with bolts pads metal-to-metal, on *Aquamine* PVC pipe. Couplings are designed to be used with plain end pipe.
- Metric thread size bolts (plated) are available (color coded) for all coupling sizes upon request. Contact Victaulic for details.
- WARNING: Piping systems must always be depressurized and drained before attempting disassembly and removal of any *Aquamine* piping products.

4.26 DIMENSIONS

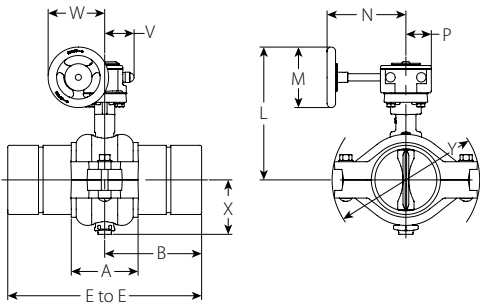
Series 2957
Aquamine™ Butterfly Valve Manual Handle



Size		Dimensions								Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	A inches mm	B inches mm	J inches mm	K inches mm	T-R inches mm	X inches mm	Y inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	9.75 248	4.00 102	4.88 124	6.00 152	2.00 51	7.00 178	2.50 64	6.50 165	8.9 4.0
3 DN80	3.500 88.9	13.00 330	4.38 111	6.50 165	6.38 162	2.25 57	9.00 229	3.13 79	9.00 229	16.6 7.5
4 DN100	4.500 114.3	13.25 337	4.38 111	6.63 168	6.88 175	2.25 57	9.00 229	3.63 92	10.13 257	21.4 9.7
6 DN150	6.625 168.3	14.38 365	4.88 124	7.25 184	8.25 210	2.50 64	12.00 305	4.75 121	13.00 330	38.6 17.5
8 DN200	8.625 219.1	15.88 403	5.75 146	8.00 203	9.63 244	2.75 70	14.00 356	6.25 159	15.50 394	66.4 30.1

4.26 DIMENSIONS (CONTINUED)

Series 2957
Aquamine™ Butterfly Valve Gear Operator



Size		Dimensions											Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	A inches mm	B inches mm	L inches mm	M inches mm	N inches mm	P inches mm	V inches mm	W inches mm	X inches mm	Y inches mm	Approximate (Each) lb kg
2 DN50	2.375 60.3	9.75 248	4.00 102	4.88 124	7.63 194	4.00 102	5.25 133	1.75 44	2.00 51	3.75 95	2.50 64	6.50 165	10.7 4.9
3 DN80	3.500 88.9	13.00 330	4.38 111	6.50 165	8.25 210	4.00 102	5.25 133	1.75 44	2.00 51	3.38 86	3.13 79	9.00 229	17.5 7.9
4 DN100	4.500 114.3	13.25 337	4.38 111	6.63 168	8.75 222	4.00 102	5.25 133	1.75 44	2.00 51	3.38 86	3.63 92	10.13 257	22.3 10.1
6 DN150	6.625 168.3	14.38 365	4.88 124	7.25 184	11.13 283	5.00 127	7.00 178	2.25 57	2.25 57	4.50 114	4.75 121	13.00 330	40.4 18.3
8 DN200	8.625 219.1	15.88 403	5.75 146	8.00 203	13.00 330	6.50 165	7.25 184	2.25 57	2.25 57	5.25 133	6.25 159	15.50 394	71.6 32.5

5.0 PERFORMANCE

Maximum Working Pressure for Aquamine™ Pipe and Components at Elevated Temperature

For the maximum working pressure rating of *Aquamine* Pipe and Components at elevated temperature, multiply the working pressure rating shown at 73°F/23°C by the appropriate derating factor (or coefficient if you prefer) in the chart below.

Pressure Capacity Derating Factors for Operating Temperatures Above 73°F/23°C		
at 80°F/27°C	Multiply by	0.88
at 90°F/32°C	Multiply by	0.75
at 100°F/37°C	Multiply by	0.62
at 110°F/43°C	Multiply by	0.51
at 120°F/49°C	Multiply by	0.40
at 130°F/54°C	Multiply by	0.31
at 140°F/60°C	Multiply by	0.22

NOTE

- Derating factors are typical per the pipe manufacturer's recommendation in accordance with ASTM D2837 and PPI TR-3.

5.1 PERFORMANCE

Series 2957

Size		Flow Characteristics	Performance
inches DN	inches mm	Cv/Kv Values Full Open	Allowable Working Pressure psi kPa
2	2.375	149	250
DN50	60.3	129	1724
3	3.500	290	250
DN80	88.9	251	1724
4	4.500	653	250
DN100	114.3	565	1724
6	6.625	1667	250
DN150	168.3	1442	1724
8	8.625	2695	250
DN200	219.1	2331	1724

5.2 PERFORMANCE

Series 2957 Butterfly Valve

Important Installation Considerations

When using the Series 2957 Aquamine™ Butterfly Valve for throttling service, Victaulic recommends positioning the disc no less than 30 degrees open. For best results, the disc should be between 30 and 70 degrees open; this is dependent on the flow requirements/characteristics for the piping system. High pipeline velocities and/or throttling with the disc less than 30 degrees open may result in noise, vibration, cavitation, erosion, and/or loss of control. Contact Victaulic regarding throttling services.

Victaulic recommends limiting the flow velocities for water service to 13.5 feet/second (4 meters/second). Contact Victaulic before installing this valve when higher flow velocities are necessary or specified.

Victaulic recommends good piping practices and installing the valve five pipe diameters downstream of sources of irregular flow, such as pumps, elbows and control valves. If not practical due to space constraints, the system should be designed to locate and orient the valve to minimize the impact of dynamic torque and valve life.

6.0 NOTIFICATIONS

! WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Confirm that any equipment, branch lines, or sections of piping that may have been isolated for/during testing or due to valve closures/positioning are identified, depressurized, and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, foot protection, and hearing protection.
- **DO NOT LOOSEN OR TIGHTEN HARDWARE WHEN THE SERIES 2957 BUTTERFLY VALVE IS PRESSURIZED.**
- The system designer is responsible for verifying the suitability of mating component materials with the intended fluid media.
- The effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on mating component materials shall be evaluated to confirm system life will be acceptable for the intended service.

Failure to follow these instructions could result in death or serious personal injury and property damage.

7.0 REFERENCE MATERIALS

AE1800 Air Release valve



APG – Aquamine™ Grooving Tool



[5.01: Victaulic® Seal Selection Guide Elastometric Seal Construction](#)

[29.01: Victaulic Terms and Conditions/Warranty](#)

[50.02: Aquamine™ Products Engineering Data](#)

[I-AQUAMINE: Aquamine Field Installation Manual RP-APG \(APG Cut Grooving/Beveling Tool for Aquamine Pipe](#)

[RP-APG: APG Cut Grooving/Beveling Tool for Aquamine Pipe](#)

[I-IMPACT: Victaulic Impact Tool Usage Guidelines](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, warranty, installation instructions, or this disclaimer.

Installation

Always refer to and follow the [Victaulic Installation Handbook](#) or installation instructions for the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at victaulic.com.

Warranty

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

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Note

All products bearing a Victaulic trademark are manufactured by Victaulic or to Victaulic specifications. All products are to be installed only in accordance with the applicable Victaulic installation instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.