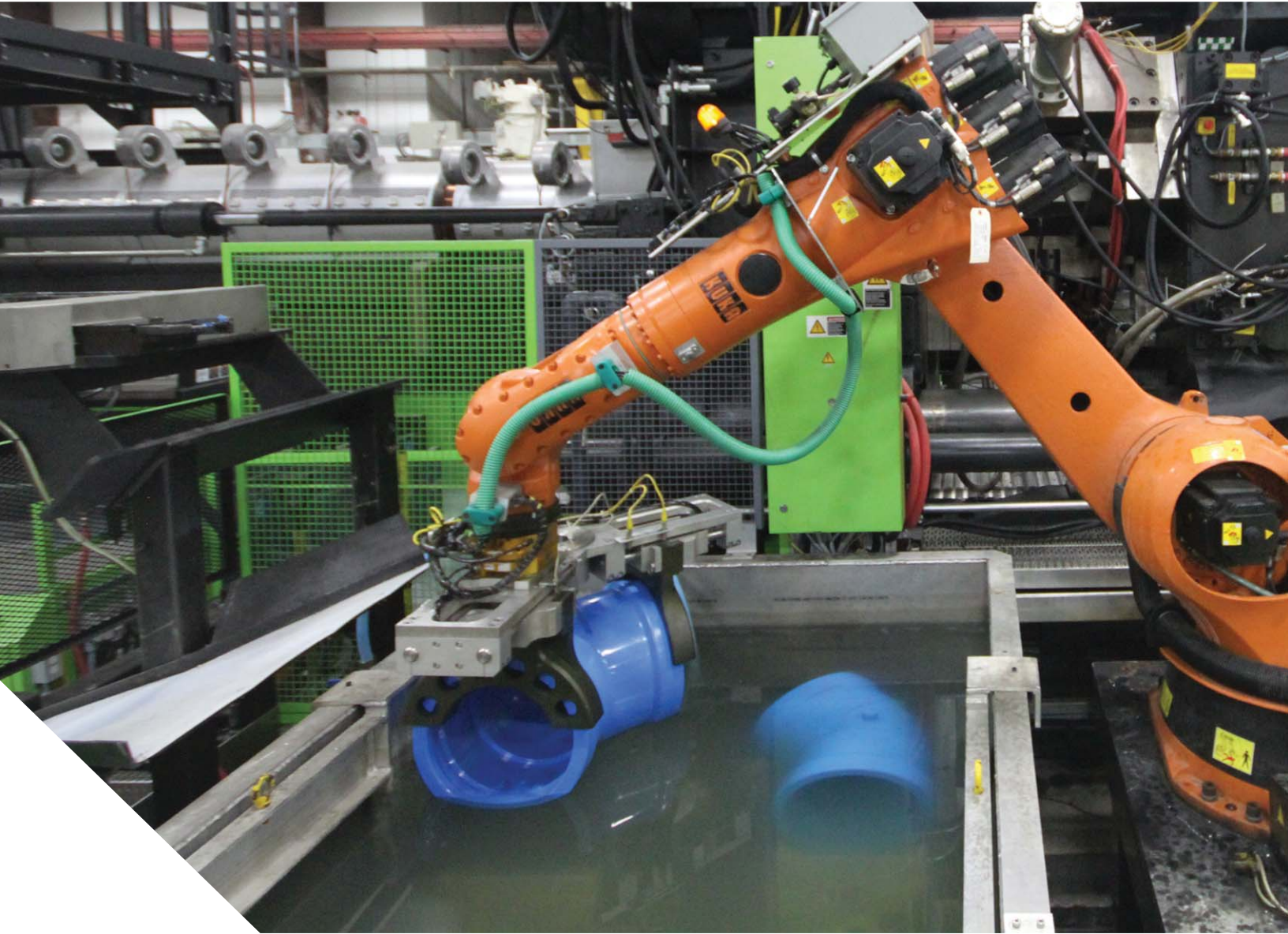


**BLUE BRUTE[®]
FITTINGS**





North America's Leader of PVC Fittings

Since 1954, Multi Fittings has been in the business of designing and manufacturing PVC fittings for the municipal water and sewer market. Today, we are able to provide the widest range of injection-molded fittings in the market and with millions of fittings sold, we meet the needs of more contractors, engineers, and distributors than any other manufacturer.



MULTI FITTINGS



Performance

With state-of-the-art engineering and manufacturing, Multi Fittings is continually developing and marketing products that exceed the industry's highest quality and performance standards. Every fitting is painstakingly researched, engineered, manufactured and certified to deliver longer life, easier installation, and greater value for our customers.

Our philosophy extends into every step of our manufacturing process. All of our fittings are made of noncorroding PVC, a material virtually immune to attack from aggressive soils and chemicals. Our R&D teams create fittings tough enough to endure higher impact forces, heavier loads and more punishment on the jobsite than any other fittings in the market.

Services

Multi Fittings maintains the industry's most comprehensive and experienced sales and support network, backed by distribution centers strategically located across North America. It's no wonder Multi Fittings is the brand contractors have been turning to for over 50 years.





ADVANTAGES of Molded PVC Fittings from IPEX



ENGINEERED FOR STRENGTH

The body of Class 235* Blue Brute fittings has walls at least 125% of the wall thickness of Class 235* Blue Brute pipe of the same size. Made of 12454 compound, they have the same long-term hydrostatic strength as the pipe.

* FM PC150



MANUFACTURING CONSISTENCY

With ISO 9000 best-in-class manufacturing and quality control processes IPEX provides the most consistent supply of AWWA C907 molded fittings in the market today.



LIGHT-WEIGHT / COMPACT DESIGN

Typically 50% of the weight of fabricated fittings and metal alternatives, molded PVC fittings from Multi Fittings take less energy to transport and provide more convenience on the jobsite.



CORROSION RESISTANT

Made of non-corroding PVC, Blue Brute fittings will not rust or corrode in aggressive soils. Consequently, costly sacrificial anodes and expensive protective coatings commonly used with metal fittings are not required.



IMPROVES WATER QUALITY AND MAINTAINS THE ENVIRONMENT

The precise tolerances of Blue Brute systems ensure tight joints capable of withstanding pressures three times the pressure class of the pipe. The results are bottle tight joints that keep potable water clean. And the smooth interior surface of Blue Brute pipe and fittings virtually eliminates encrustants from adhering to its surface providing better water quality.



GASKET OPTIONS

All Blue Brute fittings are shipped with standard gaskets that accept cast-iron-sized PVC pipe. Should a more chemically resistant gasket be necessary due to ground contaminants, chemically resistant Nitrile and EPDM gaskets are available.



BIONAX® COMPATIBILITY

Bionax® PVC is the most innovative pressure piping system in the market today. 4" to 12" Bionax can now be specified as an all PVC system utilizing one-piece molded Blue Brute fittings from Multi Fittings



PRISTINE FITTINGS FROM PLANT TO JOBSITE

All Multi Fittings Blue Brute 10" fittings and larger are individually bagged and factory sealed, arriving on the jobsite looking the same as the day they were produced.



Multi Fittings Quality Assurance

At Multi Fittings we leave nothing to chance, ensuring quality is built-in, instead of simply being inspected in. During daily production, samples are randomly collected and tested to meet or exceed the toughest industry standards. In addition, our quality systems and manufacturing plants are ISO registered.



DIMENSIONAL TESTS

The minimum wall thickness of the Blue Brute molded fitting body must be at least 125% of the wall thickness of AWWA C900 pipe of the same size. Also, the ratio of the outside diameter to the wall thickness (DR) at any point of the bell must be 18 or less.

The unobstructed inside diameter of the fitting's body must not be less than the inside diameter of DR25 AWWA pipe. Fabricated fittings must have DR18 inside diameters.



MATERIAL TESTS

PVC compound must meet the requirements of cell classification 12454 according to ASTM D1784. The compound must also have a Hydrostatic Design Basis (HDB) of 27.6 MPa (4,000 psi) when tested as molded tubes in accordance with ASTM D1598 and D2837.



D1784



5.21 MPa



BURST PRESSURE TESTS

Blue Brute fittings must have a Quick Burst Strength of 5.21 MPa (755 psi), the same as Class 235* (DR18) pipe, when tested in accordance with ASTM D1599.

* FM PC150



QUALIFICATION TESTS

Fittings are subjected to long-term pressure tests described in ASTM D1598. They demonstrate an average extrapolated LTPS of 470 psi at 100,000 hrs.



FUSION TESTS

Randomly selected fittings must pass the heat reversion test ensuring optimum homogeneity.

MULTI FITTINGS **Blue Brute Fittings** Meet These Standards



AWWA C907 Injected Molded Polyvinyl Chloride (PVC) Pressure Fittings, 4" through 12" (100mm through 300mm), for Water, Wastewater and Reclaimed Water Service



CSA B137.2 Polyvinyl Chloride (PVC) Injection-Moulded Gasketed Fittings for Pressure Applications



UL 1285 Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Services



FM Polyvinyl Chloride (PVC) Pipe and Fittings for Underground Fire Protection Services Factory Mutual Approved




Compound listed by National Sanitation Foundation for potable water service




NQ 3660-950 Safety of Products and materials in Contact with Drinking Water

C907 BLUE BRUTE MOLDED PVC FITTINGS

	Inches	mm	Product Code		Inches	mm	Product Code
	90° Elbow (BxB)				Coupling with Stop (B x B)		
	4	100	073150		4	100	073030
	6	150	073151		6	150	073031
	8	250	073152	8	200	073032	
				10	250	273532	
				12	300	273533	
	45° Elbow (BxB)				Repair Coupling (B x B)		
	4	100	073120		4	100	073404
	6	150	073121		6	150	073406
	8	200	073122		8	200	073408
	New 10	250	373123		10	250	273529
New 12	300	373124	12	300	273530		
	22-1/2° Elbow (BxB)				Tapped Plugs (I.P.S Threads)		
	6	150	073106		4 x 3/4	100 x 20	273192
	8	200	073107		4 x 1	100 x 25	073193
	New 10	250	373108		4 x 1-1/2	100 x 40	073194
	New 12	300	373109		4 x 2	100 x 50	273195
	11-1/4° Elbow (BxB)			6 x 3/4	150 x 20	273199	
	4	100	273104	6 x 1	150 x 25	273200	
	6	150	073091	6 x 1-1/2	150 x 40	273201	
	8	200	073092	6 x 2	150 x 50	273196	
	Tee (BxBxB)			8 x 3/4	200 x 20	073203	
	4	100	073285	8 x 1	200 x 25	073204	
	6	150	073286	8 x 1-1/2	200 x 40	073197	
	6 x 4	150 x 100	073241	8 x 2	200 x 50	273198	
	8	200	073287		Plug (Plain End)		
	8 x 4	200 x 100	073242		4	100	073180
	8 x 6	200 x 150	073243		6	150	073181
	New 10	250	373288		8	200	073182
	New 10 x 4	250 x 150	373239		10	250	073183
	New 10 x 6	250 x 150	373244	12	300	073184	
	New 10 x 8	250 x 200	373250		High Deflection Couplings		
	New 12	300	373289		* 4	100	273523
	New 12 x 4	300 x 150	373727		* 6	150	273524
New 12 x 6	300 x 150	373245	* 8		200	273525	
New 12 x 8	300 x 200	373246	* 10		250	273526	
New 12 x 10	300 x 250	373247	* 12	300	273527		
	Reducer (B x SP)				New Fitting – Hydrant Tee (B x B x SP)		
	6 x 4	150 x 100	273211		New 10 x 6	250 x 150	273989
	8 x 6	200 x 150	073212		New 12 x 6	300 x 150	273070
	10 x 8	250 x 200	273213				
	12 x 10	300 x 250	273214				

	Inches	mm	Product Code
	Tapped Coupling		
	4 x 4 x 3/4	100 x 20	073267 (AWWA Thread)
	4 x 4 x 1	100 x 25	073268 (AWWA Thread)
	6 x 6 x 3/4	150 x 20	073256 (AWWA Thread)
	6 x 6 x 1	150 x 25	073257 (AWWA Thread)
	6 x 6 x 1-1/4	150 x 32	273144 (AWWA Thread)
	6 x 6 x 1-1/2	150 x 40	073300 (AWWA Thread)
	6 x 6 x 1-1/2	150 x 40	073301 (NPT Thread)
	6 x 6 x 2	150 x 50	073299 (AWWA Thread)
	6 x 6 x 2	150 x 50	073258 (NPT Thread)
	8 x 8 x 3/4	200 x 20	073259 (AWWA Thread)
	8 x 8 x 1	200 x 25	073260 (AWWA Thread)
	8 x 8 x 1-1/4	200 x 32	073147 (AWWA Thread)
	8 x 8 x 1-1/2	200 x 40	273265 (AWWA Thread)
	8 x 8 x 1-1/2	200 x 40	073264 (NPT Thread)
	8 x 8 x 2	200 x 50	073266 (AWWA Thread)
8 x 8 x 2	200 x 50	073261 (NPT Thread)	
* 10 x 10 x 3/4	250 x 20	273535 (AWWA Thread)	
* 10 x 10 x 1	250 x 25	273537 (AWWA Thread)	
* 12 x 12 x 3/4	300 x 20	273536 (AWWA Thread)	
* 12 x 12 x 1	300 x 25	273538 (AWWA Thread)	

	Double Tapped Coupling		
	6 x 6 x 3/4 x 3/4	150 x 150 x 20 x 20	073305 (AWWA Thread)
	6 x 6 x 1 x 1	150 x 150 x 25 x 25	073308 (AWWA Thread)
	8 x 8 x 3/4 x 3/4	200 x 200 x 20 x 20	073290 (AWWA Thread)
8 x 8 x 1 x 1	200 x 200 x 25 x 25	073307 (AWWA Thread)	

* One-piece machined coupling.

For alternate gasket options and additional fabricated fittings, please refer to our C907 Blue Brute Fittings Price List

Short Form Specification

PVC fittings shall be used on all PVC pipe. PVC fittings 4" – 12" in diameter shall be injection molded and comply with the requirements of AWWA C907 and be certified to CSA B137.2. Molded fittings will be made of PVC compound with a minimum hydrostatic design basis of 4000 psi. All fittings will be colour coded blue. Molded fittings must be Factory Mutual approved and listed by Underwriters Laboratories International (ULI).

C905 fabricated fittings must meet ASTM D3139, AWWA C905, and be certified to CSA B137.3. All fittings must be NSF-61 listed. All fabricated fittings to be manufactured from pipe sections third party certified to CSA B137.3.

Coming 2014

LARGE DIAMETER MOLDED **SEWER** FITTINGS



Ultra-Rib®

Ultra-Rib® is a gravity flow PVC sewer system with concentric reinforcing ribs that encircle the pipe to provide superior ring stiffness and performance.

- 45° Elbow 12"



TRENCH TOUGH PLUS™

Ideal for wastewater and stormwater applications, as well as the conveyance of industrial wastes, our large diameter molded sewer fittings are designed to exceed all applicable standards and are built to withstand higher impact forces, higher loads and survive the roughest jobsite handling. The impact strength of our sewer fittings exceed the requirements of ASTM F1336 by at least 25%.

- Gasketed Heavy Wall Tee-Wye 10" x 4" DR 26
- Gasketed Heavy Wall Tee-Wye 10" x 6" DR 26
- Gasketed Heavy Wall Tee-Wye 12" x 4" DR 26
- Gasketed Heavy Wall Tee-Wye 12" x 6" DR 26

- 45° Wye 15" x 15" x 15" DR35
- 45° Wye 18" x 6" DR35
- 45° Elbow 15" (S x G) DR35
- Bushing 12" x 6" (S x G) DR35
- Bushing 12" x 4" (G x G) DR35
- Bushing 12" x 8" (G x G) DR35
- 45° Wye 15" x 10" DR35
- 45° Wye 18" x 4" DR35
- Repair Coupling 12" DR35
- Bushing 12" x 10" (S x G) DR35
- Bushing 12" x 6" (G x G) DR35
- 45° Wye 15" x 12" DR35
- 45° Elbow 15" (G x G) DR35
- Bushing 12" x 4" (S x G) DR35
- Bushing 12" x 8" (S x G) DR35
- Bushing 12" x 10" (G x G) DR35



IMPROVES
WATER QUALITY

MANUFACTURING
CONSISTENCY

CORROSION
RESISTANT

ENVIRONMENTAL
FRIENDLY

ENGINEERED
FOR STRENGTH

LIGHT-WEIGHT/
COMPACT DESIGN

QUALITY
ASSURANCE

BETTER
PACKAGING

BIONAX®
COMPATIBILITY





MULTI FITTINGS

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London, Ontario N6N 1C9
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www.multifittings.com



IPEX
12"X12"X12" TEE

NSF (2) 61-G
UL LISTED 7857
NORBIT-450
SI
E2E
194
E197.2
PR 1628 (P4) @ 250
APPROVED (PQ160)
MADE IN CANADA
AWWA C907
NON METALLIC PVC FITTING
FOR UNDERGROUND WATER MAINS
THRUST RESTRAINTS REQUIRED
PG285 PVC G.O.D.

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