

Price List #OF-PSFS-0908

September 2nd, 2008

Supersedes all previous price lists

ORION

Single Wall High Purity *price list*

POLYSTAR™
Polypropylene Pipe & Fittings

FLUOROSTAR™
PVDF Pipe & Fittings





Polypropylene Size Chart

Nominal Wall Thickness in Inches						
Nom. Size inches	Nom. Size mm	Actual O.D. inches	Actual O.D. mm	SDR 11 Class 150 psi	SDR 17.6 Class 90 psi	SDR 33 Class 45 psi
1/2	20	0.79	20	0.07	--	--
3/4	25	0.98	25	0.09	0.06	--
1	32	1.26	32	0.11	0.07	--
1 1/4	40	1.57	40	0.14	0.09	--
1 1/2	50	1.97	50	0.18	0.11	--
2	63	2.48	63	0.23	0.14	0.08
2 1/2	75	2.95	75	0.27	0.17	0.09
3	90	3.54	90	0.32	0.20	0.11
4	110	4.33	110	0.39	0.25	0.13
6	160	6.30	160	0.57	0.36	0.19
8	200	7.87	200	0.72	0.45	0.24
10	250	9.84	250	0.89	0.56	0.30
12	315	12.40	315	1.13	0.70	0.38
14	355	13.98	355	1.27	0.79	0.42
16	400	15.75	400	1.43	0.89	0.48
18	450	17.72	450	1.61	1.01	0.54
20	500	19.69	500	1.79	1.12	0.60
22	560	22.05	560	--	1.25	0.67
24	630	24.80	630	--	1.41	0.75
28	710	27.85	710	--	1.59	0.85
32	800	31.50	800	--	1.79	0.95
36	900	35.43	900	--	--	1.07
40	1000	39.37	1000	--	--	1.19

Note: All PP pipe materials shown are manufactured to dimensions and tolerances in accordance with DIN 8077 (Pipe) and DIN 16962 (Fittings). The following additional sizes for pipes and many components are available upon special request: 125 mm, 140 mm, 180 mm, 225 mm and 280 mm. Pipe and fabricated fittings are also available in special wall thicknesses, including SDR 26 (Class 65 psi) in sizes 40 mm through 1000 mm, and SDR 41 (Class 40 psi) in sizes 63 mm through 1000 mm. Long lead times may apply for non-standard materials. Consult factory for information on delivery and price for non-standard materials.

PVDF Size Chart

Nominal Wall Thickness in Inches						
Nom. Size inches	Nom. Size mm	Actual O.D. inches	Actual O.D. mm	SDR 21 Class 230 psi	SDR 33 Class 150 psi	Liner Class 45 psi
3/8	16	0.63	16	0.08	--	--
1/2	20	0.79	20	0.08	--	--
3/4	25	0.98	25	0.08	--	--
1	32	1.26	32	0.09	--	--
1 1/4	40	1.57	40	0.09	--	--
1 1/2	50	1.97	50	0.12	--	--
2	63	2.48	63	0.12	0.08	0.12
2 1/2	75	2.95	75	0.14	0.09	0.12
3	90	3.54	90	0.17	0.11	0.12
4	110	4.33	110	0.21	0.13	0.12
6	160	6.30	160	0.30	0.19	0.12
8	200	7.87	200	0.37	0.24	0.12
10	250	9.84	250	0.47	0.30	0.12
12	315	12.40	315	0.59	0.38	0.16
14	355	13.98	355	0.67	0.42	0.20
16	400	15.75	400	0.75	0.48	0.20

Note: All PVDF pipe materials shown are manufactured to dimensions and tolerances in accordance with ISO 10931-2 (Pipe) and ISO 10931-3 (Fittings). The following additional sizes for pipes and many components are available upon special request: 125 mm, 140 mm, 180 mm, 225 mm and 280 mm. Long lead times may apply for non-standard materials. Consult factory for information on delivery and price for non-standard materials.

Determining Part Numbers:

To determine part number, combine part prefix number with size code number. For example, to determine part number for a 1 1/4" x 1/2" molded polypropylene concentric reducer, combine **Part Prefix (331490)** with **Size Code 1018** to obtain **Part Number 3314901018**.

EXAMPLE

Part-Prefix 330010 003948
 Par size code _____

POLYSTAR™ POLYPROPYLENE PRODUCTS

Plain End products

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Socket Fusion Products

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Valves

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FLUOROSTAR™ PVDF PRODUCTS

Plain End Products

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Socket Fusion Products

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Valves

Page 22	True Union Ball Valves
Page 22	Compact Diaphragm Valves



POLYSTAR® POLYPROPYLENE PLAIN END PRODUCTS Pipe



PP-H 100 Homopolymer

PART PREFIX 331000	Size	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
		Size Code	Price/ft. US\$	Price/20ft. Length	Size Code	Price/ft. US\$	Price/20ft. Length	Size Code	Price/ft. US\$	Price/20ft. Length
	3/8	--	--	--	--	--	--	2883	2.30	46.00
	1/2	--	--	--	0719	0.90	18.00	0720	2.60	52.00
	3/4	--	--	--	0721	1.10	22.00	0722	3.50	70.00
	1	--	--	--	0723	1.70	34.00	0724	5.00	100.00
	1 1/4	--	--	--	0725	2.30	46.00	0726	5.10	102.00
	1 1/2	--	--	--	0728	3.40	68.00	0730	6.70	134.00
	2	1199	3.70	74.00	0732	5.50	110.00	0733	12.60	252.00
	2 1/2	1201	5.20	104.00	0735	8.80	176.00	0736	19.80	396.00
	3	1203	6.20	124.00	0739	10.90	218.00	0740	24.60	492.00
	4	0742	8.30	166.00	0744	14.20	284.00	0745	37.20	744.00
	6	0754	17.00	340.00	0756	32.10	642.00	0811	79.10	1582.00
	8	0762	61.90	1238.00	0764	72.70	1454.00	0765	96.90	1938.00

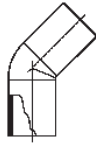


PP-HIC Copolymer

PART PREFIX 330100	Size	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
		Size Code	Price/ft. US\$	Price/20ft. Length	Size Code	Price/ft. US\$	Price/20ft. Length	Size Code	Price/ft. US\$	Price/20ft. Length
	1 1/2	--	--	--	0728	3.40	68.00	0730	6.70	134.00
	2	1199	3.70	74.00	0732	5.50	110.00	0733	12.60	252.00
	2 1/2	1201	5.20	104.00	0735	8.80	176.00	0736	19.80	396.00
	3	1203	6.20	124.00	0739	10.90	218.00	0740	24.60	492.00
	4	0742	8.30	166.00	0744	14.20	284.00	0745	37.20	744.00
	6	0754	17.00	340.00	0756	32.10	642.00	0811	79.10	1582.00
	8	0762	61.90	1238.00	0764	72.70	1454.00	0765	96.90	1938.00

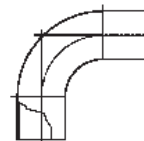
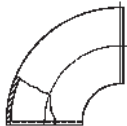
Fittings

45° Elbows



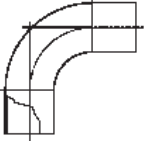
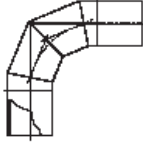
Short Radius Extended Plain End									
PART PREFIX 331920	Pressure Class 45/SDR 33			Pressure Class 90/SDR 17.6			Pressure Class 150/SDR 11		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
--	--	--	--	--	--	--	1/2	0083	9.50
--	--	--	--	--	--	--	3/4	0084	10.10
--	--	--	--	--	--	--	1	0085	12.40
--	--	--	--	--	--	--	1 1/4	0086	15.60
--	--	--	--	1 1/2	0145	21.00	1 1/2	0087	22.60
--	--	--	--	2	0088	29.60	2	0089	32.20
--	--	--	--	2 1/2	0146	35.40	2 1/2	0090	40.00
--	--	--	--	3	0091	45.40	3	0092	49.90
--	--	--	--	4	0093	85.40	4	0094	95.80
--	--	--	--	6	0096	169.60	6	0097	195.80
--	--	--	--	8	0150	250.10	8	0151	310.50

90° Elbows

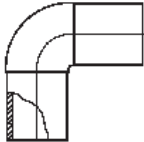
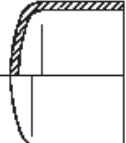


Short Radius Plain End										Short Radius w/Puffed Extended Plain Ends									
PART PREFIX 331010	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			PART PREFIX 331010	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
--	--	--	--	--	--	--	1	0410	7.20	--	--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	1 1/4	0411	9.20	--	--	--	--	--	--	--	--	--	
--	--	--	--	1 1/2	1086	10.40	1 1/2	0412	11.20	--	--	--	--	--	--	--	--	--	
--	--	--	--	2	1087	14.60	2	0413	16.00	--	--	--	--	--	--	--	--	--	
--	--	--	--	2 1/2	1088	22.60	2 1/2	0414	23.80	--	--	--	--	--	--	--	--	--	
--	--	--	--	3	0415	31.70	3	0416	34.40	--	--	--	--	--	--	--	--	--	
4	0438	42.80	--	4	0417	60.40	4	0418	64.20	3	--	--	3	0825	76.20	3	0829	80.20	
6	0445	81.70	--	6	0421	133.30	6	0422	145.40	4	5040	104.00	4	0826	119.40	4	0830	98.60	
8	0455	120.40	--	8	1091	217.80	8	1092	264.30	6	5060	234.90	6	0833	288.50	6	0834	302.00	
--	--	--	--	--	--	--	--	--	--	8	5080	261.70	8	0837	374.40	8	0838	395.90	

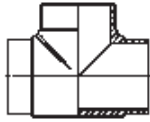
90° Elbows (continued)

		 Long Radius Seamless Bend					 Long Radius Segmented Bend						
		Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
PART PREFIX 331010	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	
	--	--	--		1	0410	83.90	--	--	--	--	--	--
	--	--	--		1 1/4	0411	99.20	--	--	--	--	--	--
	1 1/2	1086	124.80		1 1/2	0412	141.90	--	--	--	--	--	--
	2	1087	183.90		2	0413	209.00	--	--	--	--	--	--
	2 1/2	1088	195.30		2 1/2	0414	221.90	--	--	--	--	--	--
	3	0415	204.60		3	0416	246.30	3	0825	251.70	3	0829	282.20
	4	0417	272.40		4	0418	309.60	4	0826	297.40	4	0830	320.30
	6	0421	399.90		6	0422	454.50	6	0833	373.70	6	0834	419.40
	8	1091	742.10		8	1092	843.40	8	0837	648.40	8	0838	724.40

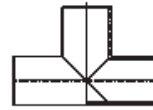
End Caps

		 Standard Radius Extended Plain End					 Extended Plain End						
		Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
PART PREFIX 331920	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	
	--	--	--		1/2	0074	13.20	--	--	--	1/2	0109	7.80
	--	--	--		3/4	0075	13.80	--	--	--	3/4	0110	8.70
	--	--	--		1	0076	15.50	--	--	--	1	0093	11.00
	--	--	--		1 1/4	0077	20.00	--	--	--	1 1/4	0034	13.40
	1 1/2	0130	25.90		1 1/2	0078	27.20	1 1/2	0035	16.80	1 1/2	0030	17.60
	2	0131	42.70		2	0079	45.00	2	0036	22.30	2	0037	23.30
	2 1/2	0132	54.40		2 1/2	0080	57.10	2 1/2	0094	51.20	2 1/2	0031	52.00
	3	0133	63.40		3	0081	66.90	3	0038	52.50	3	0039	54.40
	4	0134	99.40		4	0082	104.70	4	0040	70.80	4	0032	73.80
6	0137	239.70		6	0138	252.30	6	0050	93.30	6	0051	111.80	
8	0141	312.40		8	0142	328.80	8	0046	152.50	8	0026	180.30	

Tees

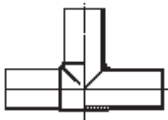


Molded Plain End



Fabricated

PART PREFIX 331030	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			PART PREFIX 331030	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	--	--	--	--	--	--	1/2	0193	5.10		--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	3/4	0194	5.40		--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	1	0195	6.80		--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	1 1/4	0196	11.20		--	--	--	--	--	--	--	--	--
	--	--	--	1 1/2	0197	13.10	1 1/2	0198	15.40		--	--	--	--	--	--	--	--	--
	--	--	--	2	0199	17.10	2	0200	22.20		--	--	--	--	--	--	--	--	--
	--	--	--	2 1/2	0201	34.80	2 1/2	0202	43.90		--	--	--	--	--	--	--	--	--
	--	--	--	3	0203	47.00	3	0204	63.80		3	0425	305.10	3	0426	339.00	3	0427	376.70
	4	0153	56.20	4	0205	77.50	4	0206	93.90		4	0429	323.90	4	0430	359.90	4	0431	399.90
	6	0162	128.20	6	0211	268.40	6	0212	310.50		6	0441	370.90	6	0442	412.10	6	0443	457.90
	8	0167	187.40	8	0215	378.20	8	0216	478.20		8	0449	1121.40	8	0450	1246.00	8	0451	1432.90



Extended Plain End

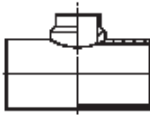
PART PREFIX 331930	Pressure Class 90 SDR 17.6			PART PREFIX 331930	Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	--	--	--		1/2	0095	11.70
	--	--	--		3/4	0094	13.20
	--	--	--		1	0083	15.70
	--	--	--		1 1/4	0064	20.50
	--	--	--		1 1/2	0099	27.10
	2	0097	33.70		2	0100	37.00
	2 1/2	0098	50.90		2 1/2	0101	56.40
	3	0116	78.30		3	0109	87.10
	4	0117	114.60		4	0110	116.80
	6	0120	285.50		6	0112	402.60
	8	0122	556.30		8	0114	622.20

Reducing Tees



Fabricated Plain End

PART PREFIX 331350	Pressure Class 90 SDR 17.6			PART PREFIX 331350	Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	3x1 ^{1/2}	0340	305.00		3x1 ^{1/2}	0601	341.60
3x2	0583	323.30	3x2	0602	359.90		
4x1 ^{1/2}	0341	344.00	4x1 ^{1/2}	0603	390.40		
6x2	0350	366.00	6x2	0614	427.00		
6x2 ^{1/2}	0351	384.30	6x2 ^{1/2}	0615	451.40		
8x2 ^{1/2}	0354	1215.10	8x2 ^{1/2}	0622	1305.40		



Molded Plain End

PART PREFIX 331350	Pressure Class 90 SDR 17.6			PART PREFIX 331350	Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	3x1	0114	56.70		3x1	0126	62.70
4x1	0425	83.40	4x1	0128	92.60		
4x1 ^{1/2}	0426	85.20	4x1 ^{1/2}	0304	94.60		
8x2	0441	446.50	8x2	0318	498.00		
8x3	0442	451.90	8x3	0319	502.00		
8x4	0443	456.90	8x4	0320	507.60		
8x6	0123	468.20	8x6	0322	520.20		



Molded Extended Plain End

PART PREFIX 331350	Pressure Class 90 SDR 17.6			PART PREFIX 331350	Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	2x1 ^{1/2}	0452	31.50		2x1 ^{1/2}	0143	35.10
2 ^{1/2} x1 ^{1/2}	0454	46.80	2 ^{1/2} x1	0330	54.90		
2 ^{1/2} x2	0455	49.40	2 ^{1/2} x2	0144	54.90		
3x1 ^{1/2}	0019	49.40	3x1 ^{1/2}	0152	80.50		
3x2	0020	72.50	3x2	0153	84.20		
3x2 ^{1/2}	0456	75.80	3x2 ^{1/2}	0145	87.80		
4x2	0149	79.10	4x2	0154	117.10		
4x2 ^{1/2}	0458	105.40	4x2 ^{1/2}	0146	117.10		
4x3	0150	105.40	4x3	0155	117.10		
6x3	0026	296.50	6x3	0156	329.40		
6x4	0151	307.40	6x4	0157	336.70		
--	--	--	8x2	0061	658.80		
--	--	--	8x3	0062	695.40		
--	--	--	8x4	0063	724.70		
--	--	--	8x6	0064	783.20		

Wyes

45° Plain End Fabricated										45° Plain End Molded									
Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11				
Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		
1 1/2	0013	222.40	1 1/2	0007	247.10	1 1/2	0010	274.50	--	--	--	2	0658	213.50	2	0654	231.50		
2	0014	285.50	2	0008	323.90	2	0011	359.90	--	--	--	2 1/2	0659	305.00	2 1/2	0655	335.50		
3	0015	321.10	3	0009	356.90	3	0012	396.50	--	--	--	3	0660	439.20	3	0656	488.00		
4	0016	341.00	4	0117	378.80	4	0026	420.90	4	0662	555.10	4	0661	603.90	4	0657	695.40		
6	0017	390.40	6	0130	433.70	6	0032	481.90	--	--	--	--	--	--	--	--	--		
8	0018	1180.40	8	0138	1311.50	8	0140	1507.90	--	--	--	--	--	--	--	--	--		

Adapters

Female Extended Plain End				Male Extended Plain End			
Pressure Class 150 SDR 11				Pressure Class 150 SDR 11			
Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	
1/2	0007	14.80		1/2	0007	14.80	
3/4	0008	16.20		3/4	0008	16.20	
1	0009	21.80		1	0009	21.80	
1 1/4	0010	24.60		1 1/4	0010	24.60	
1 1/2	0011	38.70		1 1/2	0011	38.70	
2	0012	49.20		2	0012	49.20	
3*	0013	80.80		3*	0013	80.80	
4*	0014	110.50		4*	0014	110.50	
6*	0016	165.90		6*	0016	165.90	

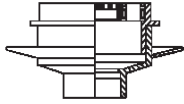
Unions

Extended Plain End					
Pressure Class 150 / SDR 11 With EPDM Gasket			Pressure Class 150 / SDR 11 With VITON Gasket		
Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
1/2	0007	32.30	1/2	0013	32.30
3/4	0008	34.80	3/4	0014	34.80
1	0009	43.60	1	0015	43.60
1 1/4	0010	61.40	1 1/4	0016	61.40
1 1/2	0011	87.00	1 1/2	0017	87.00
2	0012	118.20	2	0018	118.20

NOTE: *Reduced pressure rating. Consult factory for ratings.

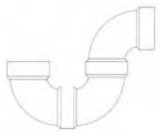


Adjustable Floor Drains



Molded Plain End

PART PREFIX 338000	SDR 11 Rated to 10,000 lbs.			SDR 17.6 Rated to 10,000 lbs.			SDR 33 Rated to 10,000 lbs.		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	2	0048	579.50	2	0052	518.50	2	0056	500.20
3	0049	640.50	3	0053	634.40	3	0057	603.90	
4	0050	701.50	4	0054	683.20	4	0058	640.50	
6	0051	847.90	6	0055	823.50	6	0059	793.00	



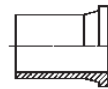
P-Traps

PART PREFIX 338000	Pressure Class 150 SDR 11			Pressure Class 90 SDR 17.6			Pressure Class 45 SDR 33		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1 1/2	0060	--	1 1/2	0066	140.30	1 1/2	0072	167.80
2	0061	--	2	0067	164.70	2	0073	183.00	
3	0062	201.30	3	0068	225.70	3	0074	237.90	
4	0063	274.50	4	0069	305.00	4	0075	340.30	
6	0064	408.70	6	0070	518.50	6	0076	634.40	
8	0065	549.00	8	0071	847.90	8	0077	1018.70	

Stub Ends



Plain End



Extended Plain End

PART PREFIX 331060	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			PART PREFIX 331940	Pressure Class 45 SDR 33			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	--	--	--	--	--	--	--	1/2	0222		6.30	--	--	--	--	--	--	1/2	0085
--	--	--	--	--	--	--	3/4	0223	7.30	--	--	--	--	--	--	3/4	0086	8.50	
--	--	--	--	--	--	--	1	0224	7.80	--	--	--	--	--	--	1	0247	9.80	
--	--	--	--	--	--	--	1 1/4	0225	8.90	--	--	--	--	--	--	1 1/4	0248	11.60	
--	--	--	--	1 1/2	0413	9.20	1 1/2	0226	11.20	--	--	--	1 1/2	0255	15.30	1 1/2	0249	15.30	
--	--	--	--	2	0414	12.20	2	0227	13.50	--	--	--	2	0256	17.70	2	0250	17.70	
--	--	--	--	2 1/2	0171	14.60	2 1/2	0172	15.60	--	--	--	2 1/2	0257	22.60	2 1/2	0092	22.60	
--	--	--	--	3	0173	20.10	3	0174	22.40	--	--	--	3	0258	29.90	3	0093	29.90	
4	0175	24.40	4	0176	26.20	4	0177	27.50	--	--	--	4	0259	39.00	4	0094	39.00		
6	0183	43.90	6	0184	64.10	6	0185	67.10	--	--	--	6	0097	79.30	6	0098	79.30		
8	0188	103.70	8	0189	104.30	8	0190	109.80	--	--	--	8	0101	134.20	8	0102	134.20		

Backing Rings

Blind Flanges

Glass Filled PP With Steel Insert							
ANSI B16.5 150 PSI Hole Pattern				ANSI B16.5 150 PSI Hole Pattern			
PART PREFIX 331300	Size	Size Code	Price/US\$	PART PREFIX 331940	Size	Size Code	Price/US\$
	1/2	0047	22.60		1/2	1005	81.90
	3/4	0048	25.60		3/4	1007	82.40
	1	0049	33.70		1	1001	82.70
	1 1/4	0050	39.70		--	--	--
	1 1/2	0051	42.30		1 1/2	1015	85.30
	2	0052	50.30		2	1002	87.40
	2 1/2	0053	66.00		--	--	--
	3	0054	66.00		3	1003	90.50
	4	0055	84.90		4	1004	117.90
6	0056	181.80	6	1006	151.90		
8	0057	261.40	8	1008	179.10		

Concentric Reducers

Molded Plain End						Extended Plain End					
Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11			Pressure Class 90 SDR 17.6			Pressure Class 150 SDR 11		
Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
--	--	--	3/4x1/2	0997	7.90	--	--	--	3/4x1/2	0105	9.50
--	--	--	1x1/2	0998	9.80	--	--	--	1x1/2	0102	11.30
--	--	--	1x3/4	0368	9.80	--	--	--	1x3/4	0063	11.30
1 1/4x1/2	1018	11.00	1 1/4x1/2	0999	11.00	--	--	--	1 1/4x1/2	0064	12.30
1 1/4x3/4	1019	11.00	1 1/4x3/4	1000	11.00	--	--	--	1 1/4x3/4	0065	12.30
1 1/4x1	1020	11.00	1 1/4x1	1001	11.00	--	--	--	1 1/4x1	0066	12.30
1 1/2x3/4	1021	11.30	1 1/2x3/4	0369	11.30	1 1/2x3/4	0032	16.50	1 1/2x3/4	0160	16.50
1 1/2x1	1022	11.30	1 1/2x1	0370	11.30	1 1/2x1	0033	16.50	1 1/2x1	0161	16.50
1 1/2x1 1/4	0349	11.30	1 1/2x1 1/4	0371	11.30	1 1/2x1 1/4	0034	16.80	1 1/2x1 1/4	0162	16.80
2x1	0350	13.40	2x1	0372	13.40	2x1	0035	22.30	2x1	0163	22.30
2x1 1/4	0351	13.40	2x1 1/4	0373	13.40	2x1 1/4	0036	22.90	2x1 1/4	0164	22.90
2x1 1/2	1023	13.40	2x1 1/2	0374	13.40	2x1 1/2	0174	23.20	2x1 1/2	0165	23.20
2 1/2x1	1024	17.70	2 1/2x1	1002	17.70	2 1/2x1 1/2	0180	35.10	2 1/2x1 1/2	0073	35.10
2 1/2x1 1/4	1025	17.70	2 1/2x1 1/4	1003	17.70	--	--	--	--	--	--
2 1/2x1 1/2	1026	17.70	2 1/2x1 1/2	1004	17.70	--	--	--	--	--	--
2 1/2x2	1027	17.70	2 1/2x2	1005	17.70	2 1/2x2	0181	28.30	2 1/2x2	0184	28.30
3x1 1/2	0352	18.90	3x1 1/2	0375	18.90	3x1 1/2	0175	39.50	3x1 1/2	0166	39.50
3x2	0353	18.90	3x2	0376	18.90	3x2	0167	39.50	3x2	0167	39.50
3x2 1/2	0354	19.50	3x2 1/2	0377	19.50	3x2 1/2	0177	39.50	3x2 1/2	0168	39.50
4x1 1/2	0355	24.40	4x1 1/2	0378	24.40	--	--	--	--	--	--
4x2	0356	24.40	4x2	0379	24.40	4x2	0232	53.20	4x2	0245	53.20
4x2 1/2	0357	24.40	4x2 1/2	0380	24.40	4x2 1/2	0274	53.20	4x2 1/2	0275	53.20
4x3	0358	24.40	4x3	0381	24.40	4x3	0245	53.20	4x3	0246	53.20
6x3	0360	43.90	6x3	0386	43.90	6x3	0203	122.50	6x3	0204	122.50
6x4	0361	43.90	6x4	0387	43.90	6x4	0206	137.40	6x4	0205	137.40
8x6	0364	128.10	8x6	0390	128.10	8x6	0207	175.20	8x6	0089	175.20

SOCKET FUSION PRODUCTS

Fittings

45° Elbows

PART PREFIX 331020	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0166	6.70
	1/2	0092	7.70
	3/4	0093	8.90
	1	0094	10.00
	1 1/4	0095	13.20
	1 1/2	0096	18.10
	2	0097	23.30
	2 1/2	0098	46.70
	3	0099	71.60
	4	0100	106.30

90° Elbows

PART PREFIX 331020	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0082	6.10
	1/2	0083	7.10
	3/4	0084	7.90
	1	0085	9.30
	1 1/4	0086	11.70
	1 1/2	0087	21.60
	2	0088	28.20
	2 1/2	0089	59.00
	3	0090	74.40
	4	0091	112.40

Couplings

PART PREFIX 331420	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0038	4.60
	1/2	0018	5.40
	3/4	0019	7.00
	1	0020	7.60
	1 1/4	0021	9.30
	1 1/2	0022	12.70
	2	0023	17.20
	2 1/2	0024	27.00
	3	0025	34.30
	4	0026	61.40

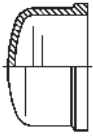
Tees

PART PREFIX 332050	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0014	6.70
	1/2	0015	7.40
	3/4	0016	8.30
	1	0017	9.90
	1 1/4	0018	15.40
	1 1/2	0019	20.90
	2	0020	29.90
	2 1/2	0021	62.50
	3	0022	99.40
	4	0023	132.70

Adapters

PART PREFIX 331070	Male			PART PREFIX 331400	Female		
	Pressure Class 185				Pressure Class 185		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	1/2	0030	14.30		1/2	0026	14.30
	3/4	0035	17.40		3/4	0027	17.40
	1	0032	21.70		1	0028	21.70
	1 1/4	0058	25.90		1 1/4	0037	25.90
	1 1/2	0027	45.80		1 1/2	0036	45.80
	2	0059	54.90		2	0041	54.90

End Caps



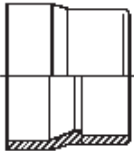
PART PREFIX 332060	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0025	8.20
	1/2	0006	8.90
	3/4	0007	9.90
	1	0008	12.70
	1 1/4	0026	13.40
	1 1/2	0009	14.80
	2	0010	15.90
	2 1/2	0027	47.30
	3	0011	49.80
	4	0012	68.00

Stub Ends



PART PREFIX 331560	Pressure Class 185		
	Size	Size Code	Price/US\$
	--	--	--
	1/2	0049	7.10
	3/4	0050	8.10
	1	0060	8.70
	1 1/4	0051	9.90
	1 1/2	0021	12.40
	2	0022	14.90
	2 1/2	0052	17.10
	3	0053	31.60
	4	0023	47.00

Concentric Reducers



PART PREFIX 331490	Pressure Class 185		
	Size	Size Code	Price/US\$
	1/2x3/8	0989	8.70
	3/4x3/8	0990	8.80
	3/4x1/2	0394	9.50
	1x1/2	0991	11.70
	1x3/4	0395	11.70
	1 1/4x1/2	0992	13.20
	1 1/4x3/4	0396	13.20
	1 1/4x1	0397	13.20
	1 1/2x1/2	0993	13.50
	1 1/2x3/4	0994	13.50
	1 1/2x1	0398	13.50
	1 1/2x1 1/4	0399	13.50
	2x3/4	0995	16.10
	2x1	0400	16.10
	2x1 1/4	0996	16.10
	2x1 1/2	0401	16.10
	2 1/2x2	0402	21.20
	3x2	0403	22.70
	3x2 1/2	0404	22.70
	4x3	0405	29.30

Unions



PART PREFIX 331070	Pressure Class 150 With EPDM Gasket		
	Size	Size Code	Price/US\$
	3/8	0037	30.50
	1/2	0012	33.60
	3/4	0013	40.30
	1	0014	53.60
	1 1/4	0015	75.60
	1 1/2	0016	107.10
	2	0017	136.60

Valves

Diaphragm Valves

Compact with Plain End										Flanged									
PART PREFIX 337000	EPDM			VITON			PTFE/EPDM			PART PREFIX 337000	EPDM			VITON			PTFE/EPDM		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1/2	1035	579.50	1/2	1122	647.80	1/2	1131	727.10		1/2	1140	657.30	1/2	1149	725.70	1/2	1158	805.00
	3/4	1036	616.10	3/4	1123	680.20	3/4	1132	768.60		3/4	1141	701.10	3/4	1150	765.80	3/4	1159	854.20
	1	1037	664.90	1	1124	713.70	1	1133	823.50		1	1142	761.00	1	1151	809.80	1	1160	919.60
	1 1/4	1038	1024.80	1 1/4	1125	1122.40	1 1/4	1134	1244.40		1 1/4	1143	1153.90	1 1/4	1152	1251.50	1 1/4	1161	1373.50
	1 1/2	1039	1073.60	1 1/2	1126	1159.00	1 1/2	1135	1311.50		1 1/2	1144	1202.70	1 1/2	1153	1288.10	1 1/2	1162	1440.60
	2	1040	1299.30	2	1127	1445.70	2	1136	1604.30		2	1145	1457.40	2	1154	1603.80	2	1163	1762.40
	2 1/2	1041	POA	2 1/2	1128	POA	2 1/2	1137	POA		2 1/2	1146	POA	2 1/2	1155	POA	2 1/2	1164	POA
	3	1042	POA	3	1129	POA	3	1138	POA		3	1147	POA	3	1156	POA	3	1165	POA
4	1043	POA	4	1130	POA	4	1139	POA	4	1148	POA	4	1157	POA	4	1166	POA		

Union End with Plain End Insert										Union End with Socket Fusion Insert									
PART PREFIX 337000	EPDM			VITON			PTFE/EPDM			PART PREFIX 337000	EPDM			VITON			PTFE/EPDM		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1/2	1215	POA	1/2	1221	POA	1/2	1227	POA		1/2	1029	POA	1/2	1203	POA	1/2	1209	POA
	3/4	1216	POA	3/4	1222	POA	3/4	1228	POA		3/4	1030	POA	3/4	1204	POA	3/4	1210	POA
	1	1217	POA	1	1223	POA	1	1229	POA		1	1031	POA	1	1205	POA	1	1211	POA
	1 1/4	1218	POA	1 1/4	1224	POA	1 1/4	1230	POA		1 1/4	1032	POA	1 1/4	1206	POA	1 1/4	1212	POA
	1 1/2	1219	POA	1 1/2	1225	POA	1 1/2	1231	POA		1 1/2	1033	POA	1 1/2	1207	POA	1 1/2	1213	POA
	2	1220	POA	2	1226	POA	2	1232	POA		2	1034	POA	2	1208	POA	2	1214	POA

True Union Ball Valves

Plain End Pressure Class 150/SDR 11						Extended Plain End Pressure Class 150/SDR 11						Flanged Pressure Class 150/SDR 11								
PART PREFIX 331200	PTFE/EPDM			PTFE/VITON			PART PREFIX 331200	PTFE/EPDM			PTFE/VITON			PART PREFIX 331200	PTFE/EPDM			PTFE/VITON		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1/2	0019	147.00	1/2	0028	162.30		1/2	0049	155.60	1/2	0058	171.70		1/2	0079	224.80	1/2	0088	240.10
	3/4	0020	174.10	3/4	0029	190.60		3/4	0050	183.50	3/4	0059	202.80		3/4	0080	259.70	3/4	0089	276.20
	1	0021	233.00	1	0030	257.70		1	0051	242.20	1	0060	269.90		1	0081	329.20	1	0090	353.80
	1 1/4	0022	344.00	1 1/4	0031	316.90		1 1/4	0052	356.50	1 1/4	0061	388.90		1 1/4	0082	473.10	1 1/4	0091	445.90
	1 1/2	0023	361.70	1 1/2	0032	387.00		1 1/2	0053	371.80	1 1/2	0062	408.10		1 1/2	0083	490.80	1 1/2	0092	516.10
	2	0024	560.00	2	0033	618.50		2	0054	580.70	2	0063	647.80		2	0084	718.10	2	0093	776.70
	2 1/2	0025	POA	2 1/2	0034	POA		2 1/2	0055	POA	2 1/2	0064	POA		2 1/2	0085	POA	2 1/2	0094	POA
	3	0026	POA	3	0035	POA		3	0056	POA	3	0065	POA		3	0086	POA	3	0095	POA
4	0027	POA	4	0036	POA	4	0057	POA	4	0066	POA	4	0087	POA	4	0096	POA			

True Union Ball Valves (continued)

Socket Fusion End Pressure Class 150/SDR 11							Female Threaded Pressure Class 150/SDR 11						
PART PREFIX 331200	PTFE/EPDM			PTFE/VITON			PART PREFIX 331200	PTFE/EPDM			PTFE/VITON		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1/2	0001	147.00	1/2	0010	162.30		1/2	0037	160.40	1/2	0043	176.90
	3/4	0002	174.10	3/4	0011	190.60		3/4	0038	185.10	3/4	0044	202.80
	1	0003	233.00	1	0012	257.70		1	0039	264.40	1	0045	283.30
	1 1/4	0004	344.00	1 1/4	0013	316.90		1 1/4	0040	358.40	1 1/4	0046	389.50
	1 1/2	0005	361.70	1 1/2	0014	387.00		1 1/2	0041	373.60	1 1/2	0047	405.70
	2	0006	560.00	2	0015	618.50		2	0042	591.70	2	0048	652.70
	2 1/2	0007	POA	2 1/2	0016	POA		--	--	--	--	--	--
	3	0008	POA	3	0017	POA		--	--	--	--	--	--
	4	0009	POA	4	0018	POA		--	--	--	--	--	--

3 Way Ball Valves

Extended Plain End							Socket Fusion End						
PART PREFIX 331210	Viton / L-Bore Type			Viton / T-Bore Type			PART PREFIX 331210	Viton / L-Bore Type			Viton / T-Bore Type		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1/2	0013	POA	1/2	0139	POA		1/2	0001	POA	1/2	0127	POA
	3/4	0014	POA	3/4	0140	POA		3/4	0002	POA	3/4	0128	POA
	1	0015	POA	1	0141	POA		1	0003	POA	1	0129	POA
	1 1/4	0016	POA	1 1/4	0142	POA		1 1/4	0004	POA	1 1/4	0130	POA
	1 1/2	0017	POA	1 1/2	0143	POA		1 1/2	0005	POA	1 1/2	0131	POA
	2	0018	POA	2	0144	POA		2	0006	POA	2	0132	POA

Butterfly Valves

Locking Lever Glass Filled Polypropylene Body							Manual Gearbox with Hand Lever Glass Filled Polypropylene Body						
PART PREFIX 332030	PP-H 100 Disc EPDM Sleeve			PP-H 100 Disc VITON Sleeve			PART PREFIX 332030	PP-H 100 Disc EPDM Sleeve			PP-H 100 Disc VITON Sleeve		
	Size	Size Code	Price/US\$	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	2 1/2	7511	POA	2 1/2	7565	POA		2 1/2	7517	POA	2 1/2	7571	POA
	3	7512	POA	3	7566	POA		3	7518	POA	3	7572	POA
	4	7513	POA	4	7567	POA		4	7519	POA	4	7573	POA
	6	7515	POA	6	7569	POA		6	7521	POA	6	7575	POA
	--	--	--	--	--	--		--	--	--	--	--	--
	--	--	--	--	--	--		10	7728	POA	10	7731	POA
	--	--	--	--	--	--		12	7730	POA	12	7733	POA

FLUOROSTAR® PVDF PLAIN END PRODUCTS

Pipe

FM
approved



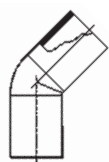
KYNAR® Homopolymer PVDF

PART PREFIX 661000	Pressure Class 230 SDR 21				PART PREFIX 661000	Pressure Class 150 SDR 33			
	Size	Size Code	Price/ft. US\$	Price/20ft. Length		Size	Size Code	Price/ft. US\$	Price/20ft. Length
	3/8	0956	6.60	132.00		3/8	--	--	--
	1/2	0957	8.30	166.00		1/2	--	--	--
	3/4	0958	10.70	214.00		3/4	--	--	--
	1	0959	17.50	350.00		1	--	--	--
	1 1/4	0960	22.30	446.00		1 1/4	--	--	--
	1 1/2	0961	33.80	676.00		1 1/2	--	--	--
	2	0963	43.60	872.00		2	0962	41.60	832.00
	2 1/2	0965	62.30	1246.00		2 1/2	0964	50.50	1010.00
	3	0967	88.70	1774.00		3	0966	59.40	1188.00
	4	0969	132.00	2640.00		4	0968	90.80	1816.00
	6	2155	191.40	3828.00		6	0972	188.10	3762.00
	--	--	--	--		8	0974	291.50	5830.00

Fittings

FM
approved

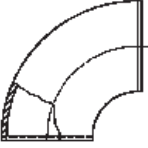
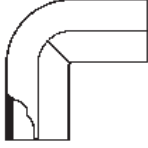
45° Elbows

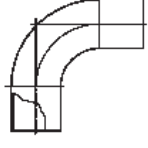
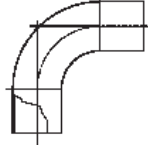


Extended Plain End

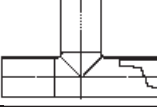
PART PREFIX 661920	Pressure Class 230 SDR 21			PART PREFIX 661920	Pressure Class 150 SDR 33		
	Size	Size Code	Price /US\$		Size	Size Code	Price /US\$
	1/2	0107	15.80		--	--	--
	3/4	0108	17.80		--	--	--
	1	0109	32.30		--	--	--
	1 1/4	0110	50.20		--	--	--
	1 1/2	0111	75.90		--	--	--
	2	0112	128.00		--	--	--
	2 1/2	0113	165.00		--	--	--
	3	0114	250.80		3	0116	250.80
	4	0115	341.90		4	0117	341.90
	6	0362	904.20		6	0118	904.20
	--	--	--		8	0119	1287.00

90° Elbows

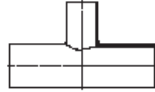
 Short Radius				 Standard Radius			
PART PREFIX 661010	Pressure Class 230 SDR 21			PART PREFIX 661920	Extended Plain End Pressure Class 230 / SDR 21		
	Size	Size Code	Price /US\$		Size	Size Code	Price /US\$
	1/2	0513	10.20		1/2	0099	15.20
	3/4	0514	13.50		3/4	0100	16.50
	1	0515	25.70		1	0101	32.30
	1 1/4	0516	40.30		1 1/4	0102	52.10
	1 1/2	0517	60.70		1 1/2	0103	77.90
2	0518	102.00	2	0104	134.60		
2 1/2	0519	174.60	2 1/2	0106	257.40		

 Short Radius				 Short Radius			
PART PREFIX 661910	Extended Plain End Pressure Class 230 / SDR 21			PART PREFIX 661910	Extended Plain End Pressure Class 150 / SDR 33		
	Size	Size Code	Price /US\$		Size	Size Code	Price /US\$
	3	0001	393.80		3	0003	237.60
	4	0002	429.00		4	0004	323.40
	6	0013	--		6	0005	745.80
8	0014	--	8	0006	1049.40		

Tees

 Extended Plain End							
PART PREFIX 661930	Pressure Class 230 SDR 21			PART PREFIX 661930	Pressure Class 150 SDR 33		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	1/2	0001	22.10		--	--	--
	3/4	0002	27.40		--	--	--
	1	0003	38.90		--	--	--
	1 1/4	0005	50.20		--	--	--
	1 1/2	0006	53.80		--	--	--
	2	0004	116.80		--	--	--
	2 1/2	0007	224.40		--	--	--
	3	0008	462.00		3	0010	455.40
	4	0009	561.00		4	0011	508.20
6	0904	1432.20	6	0012	1148.40		
--	--	--	8	0013	1551.00		

Reducing Tee



PART PREFIX 661350	Extended Plain End Pressure Class 230 / SDR 21		
	Size	Size Code	Price/US\$
	6x3	0159	1313.40
	6x4	0160	1313.40

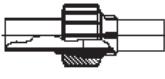

Reducers




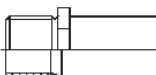
PART PREFIX 661970	Concentric					
	Pressure Class 230 SDR 21			Pressure Class 150 SDR 33		
	Size	Size Code	Price/ US\$	Size	Size Code	Price/ US\$
	3/4x1/2	0001	22.40	--	--	--
	1x1/2	0002	22.80	--	--	--
	1x3/4	0003	22.80	--	--	--
	1 1/4x1/2	0004	25.70	--	--	--
	1 1/4x3/4	0005	28.70	--	--	--
	1 1/4x1	0006	28.70	--	--	--
	1 1/2x3/4	0007	28.70	--	--	--
	1 1/2x1	0008	28.70	--	--	--
	1 1/2x1 1/4	0009	28.70	--	--	--
	2x1	0010	41.60	--	--	--
	2x1 1/4	0011	41.60	--	--	--
	2x1 1/2	0012	41.60	--	--	--
	2 1/2x1 1/4	0013	81.20	--	--	--
	2 1/2x1 1/2	0014	81.20	--	--	--
	2 1/2x2	0015	81.20	--	--	--
	3x1 1/2	0016	105.30	--	--	--
	3x2	0017	105.30	--	--	--
	3x2 1/2	0018	105.30	--	--	--
	4x2	0019	127.40	--	--	--
	4x2 1/2	0020	129.40	--	--	--
	4x3	0021	129.40	4x3	0022	129.40
	6x3	0101	297.00	6x3	0023	297.00
	6x4	0321	310.20	6x4	0024	310.20
	--	--	--	8x6	0025	376.20

Unions

Stub Ends

 Extended Plain End										
PART PREFIX 661950	Pressure Class 230 SDR 21			PART PREFIX 661940	Pressure Class 230 SDR 21			Pressure Class 150 SDR 33		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$	Size	Size Code	Price/US\$
	1/2	0001	52.40		1/2	0215	11.10	--	--	--
	3/4	0002	66.60		3/4	0216	13.50	--	--	--
	1	0003	82.40		1	0217	14.30	--	--	--
	1 1/4	0004	118.80		1 1/2	0218	23.00	--	--	--
	1 1/2	0005	157.60		1 1/2	0219	27.00	--	--	--
	2	0006	245.50		2	0220	41.30	--	--	--
	--	--	--		2 1/2	0221	109.30	--	--	--
	--	--	--		3	0222	152.90	3	0207	139.50
	--	--	--		4	0074	237.60	4	0076	213.80
	--	--	--		6	0281	895.00	6	0077	649.40
	--	--	--		8	0286	1441.40	8	0078	1148.40

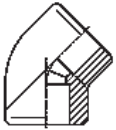
Adapters

 Female				 Male			
PART PREFIX 661990	NPT Threaded x Extended Spigot			PART PREFIX 662000	NPT Threaded x Extended Spigot		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	1/2	0007	23.80		1/2	0001	23.80
	3/4	0008	27.70		3/4	0002	27.70
	1	0009	41.30		1	0003	41.30
	1 1/4	0010	47.50		1 1/4	0004	47.50
	1 1/2	0011	76.10		1 1/2	0005	76.10
	2	0012	103.00		2	0006	103.00

SOCKET FUSION PRODUCTS

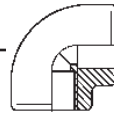
Fittings

45° Elbows



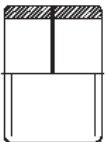
PART PREFIX 661020	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0143	12.50
	1/2	0101	13.10
	3/4	0102	18.50
	1	0103	20.70
	1 1/4	0104	35.30
	1 1/2	0105	41.60
	2	0106	69.30
	2 1/2	0107	158.40
	3	0108	237.60
	4	0109	422.40

90° Elbows



PART PREFIX 661020	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0110	10.60
	1/2	0111	10.90
	3/4	0112	14.50
	1	0113	26.70
	1 1/4	0114	42.10
	1 1/2	0115	62.70
	2	0116	105.90
	2 1/2	0117	203.60
	3	0118	254.80
	4	0119	450.10

Couplings



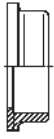
PART PREFIX 661420	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0027	7.30
	1/2	0028	7.80
	3/4	0029	9.60
	1	0030	12.80
	1 1/4	0031	18.50
	1 1/2	0032	52.70
	2	0033	77.20
	2 1/2	0034	77.20
	3	0035	123.40
	4	0036	196.70

Tees



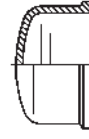
PART PREFIX 662050	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0024	18.50
	1/2	0025	18.80
	3/4	0026	22.40
	1	0027	32.70
	1 1/4	0028	50.20
	1 1/2	0029	75.90
	2	0030	119.50
	2 1/2	0031	226.40
	3	0032	349.80
	4	0033	462.00

Stub Ends



PART PREFIX 661560	Pressure Class 185		
	Size	Size Code	Price/US\$
	1/2	0037	7.60
	3/4	0054	8.70
	1	0038	9.60
	1 1/4	0055	15.70
	1 1/2	0056	18.20
	2	0039	26.40
	2 1/2	0057	79.90
	3	0058	103.80
	4	0059	144.50

End Caps



PART PREFIX 662060	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0021	12.50
	1/2	0013	13.10
	3/4	0014	15.30
	1	0015	17.80
	1 1/4	0016	30.00
	1 1/2	0017	38.00
	2	0018	57.40
	2 1/2	0019	62.70
	3	0020	82.50
	4	0022	118.80

Concentric Reducers



PART PREFIX 661490	Pressure Class 185		
	Size	Size Code	Price/US\$
	1/2 _x 3/8	0406	13.90
	3/4 _x 1/2	0407	13.90
	1 _x 3/4	0408	18.20
	1 1/4 _x 3/4	0409	21.10
	1 1/4 _x 1	0410	23.80
	1 1/2 _x 1	0411	24.10
	1 1/2 _x 1 1/4	0412	24.40
	2 _x 1	0413	37.00
	2 _x 1 1/2	0414	38.30
	2 1/2 _x 2	0415	79.20
	3 _x 2	0416	86.50
	3 _x 2 1/2	0417	86.80
	4 _x 3	0418	125.40

Unions



PART PREFIX 661070	Pressure Class 185		
	Size	Size Code	Price/US\$
	3/8	0018	39.90
	1/2	0019	40.90
	3/4	0020	54.50
	1	0021	74.50
	1 1/4	0022	103.80
	1 1/2	0023	156.40
	2	0024	237.60

Valves

True Union Ball Valves

Plain End				Flanged				Socket Fusion			
PART PREFIX 661200	NPT Threaded x Extended Spigot			PART PREFIX 661200	NPT Threaded x Extended Spigot			PART PREFIX 661200	PTFE/VITON		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	--	--	--		--	--	--		--	--	3/8
1/2	0106	203.50		1/2	0114	288.00		1/2	0098	203.50	
3/4	0107	235.00		3/4	0115	355.30		3/4	0099	235.00	
1	0108	334.80		1	0116	457.10		1	0100	334.80	
1 1/4	0109	577.40		1 1/4	0117	746.80		1 1/4	0101	577.40	
1 1/2	0110	579.40		1 1/2	0118	775.40		1 1/2	0102	579.40	
2	0111	838.20		2	0119	1197.10		2	0103	838.20	
2 1/2	0112	POA		2 1/2	0120	POA		2 1/2	0104	POA	
3	0113	POA		3	0121	POA		3	0105	POA	

Compact Diaphragm Valves

Plain End				Plain End				Flanged End			
PART PREFIX 667000	VITON			PART PREFIX 667000	PTFE/EPDM			PART PREFIX 667000	VITON		
	Size	Size Code	Price/US\$		Size	Size Code	Price/US\$		Size	Size Code	Price/US\$
	1/2	1242	575.30			1/2	1001		575.30		1/2
3/4	1243	629.90		3/4	1002	629.90		3/4	1261	659.10	
1	1244	680.20		1	1003	680.20		1	1262	719.40	
1 1/4	1245	1145.10		1 1/4	1004	1145.10		1 1/4	1263	1192.20	
1 1/2	1246	1167.60		1 1/2	1005	1167.60		1 1/2	1264	1253.50	
2	1247	1436.90		2	1006	1436.90		2	1265	1541.90	
2 1/2	1248	POA		2 1/2	1007	POA		2 1/2	1266	POA	
3	1249	POA		3	1008	POA		3	1267	POA	
4	1250	POA		4	1009	POA		4	1268	POA	

NOTES:

NOTES:

NOTES:



ORION ENTERPRISES INC. GENERAL TERMS & CONDITIONS

FREIGHT CONDITIONS:

All orders are shipped F.O.B. Kansas City, Kansas. Once the material leaves our dock it becomes the property and responsibility of the consignee. If freight is lost, or damaged, all freight claims must be filed by the consignee. When shipping to a job site, freight will be third party billed.

FULL FREIGHT ALLOWANCE

To meet the full freight allowance, orders must be for immediate complete shipment to one location within the contiguous United States. Shipments to Alaska, Puerto Rico, Hawaii or for export are not freight allowed. For shipments to Alaska, Hawaii, Puerto Rico or for export, the freight allowances shown below, for qualified items, are good only for shipment to East Coast, Gulf Coast or West Coast Ports only

ORION MATERIAL:

1. Single Wall PP Products:

\$6000 net on single wall pipe and fitting products excluding Sinks, Tanks, Chemical Treatment Systems, 8",10",12" Pipe & Fittings and PVDF Products for which there is no freight allowance.

2. Double Containment Products:

\$30,000 net for double wall products, with no freight allowance on prefabricated pipe spools pieces, or rental machines.

3. PolyStar & Fluorostar Single-Wall Products:

\$7500 net for pipe and pipe + fittings order combinations

\$2500 net for fitting-only orders

\$1500 net for valves

FLO SAFE MATERIAL:

1. Flosafe B & G Products

\$15,000 net for orders containing Flosafe B&G pipe and fittings

\$5,000 net for orders containing fittings only

2. PolyStar & Fluorostar Single-Wall Material

\$7500 net for pipe and pipe + fittings order combinations

\$2500 net for fitting-only orders

\$1500 net for valves

3. Double Containment Products:

\$30,000 net for double wall products, with no freight allowance on prefabricated pipe spools pieces, or rental machines.

LABORATORY ENTERPRISES MATERIAL:

No freight allowances

PAYMENT TERMS:

A 2% cash discount is allowed if payment of invoice is mailed, or delivered, to Orion within 10 days of invoice date. All invoices are due net 30 days, with all Past Due accounts subject to a service charge of 1.5% per month. Minimum billing or credit is for \$50.00 net for Orion Products and \$100 net for FloSafe products. Any order under minimum will carry a surcharge to meet minimum.

ORDER ACCEPTANCE:

No catalog, price list, literature or other material describing our products is to be construed as an offer to sell same. Orders are subject to acceptance by us at our facilities in Kansas City, Kansas. Your order, when shipped by us, shall be the complete contract between us, subject to, and incorporating therein, the terms and conditions, herein set forth, and any provisions contained in your order that are inconsistent with our terms and conditions shall be inapplicable and invalid. Prices and discounts contained in any of our catalogs, price lists or other literature are subject to change without notice.

WARRANTY:

Our products are carefully inspected for manufacturing defects. However, it is not always possible to detect hidden defects. Our products are warranted only to the extent that we will replace them without charge if they are proved to have manufacturing defects within one year of the date of delivery to the site where they are to be used, or installed, and provided we have been given an opportunity to inspect any product alleged to be defective and the installation or use thereof. NO WARRANTY IS INCLUDED AGAINST ANY EXPENSE FOR REMOVAL, REINSTALLATION OR OTHER CONSEQUENTIAL DAMAGES ARISING FROM ANY DEFECT. THE WARRANTIES SET OUT ABOVE ARE THE ONLY WARRANTIES MADE AND ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SHIPPING DATES – DELAYS – SHORTAGE CLAIMS:

Promises of shipping dates are estimates, and therefore cannot be guaranteed. Orion Enterprises, Inc. will not be liable for any delay in a delivery. Any claims for shipping errors, shortages or defects must be made to Orion within 24 hours of receipt of the goods. Buyer shall be required to make timely payment to seller of any amount which is undisputed, or not subject to such claims.

TAXES:

Any sales or manufacturers' taxes existing, or under future statutes, are to be paid by the buyer.

OTHER:

All pipe cuts on sizes of 8" and smaller will carry a \$5.00 per-cut charge. 10" and larger pipe will have a \$10.00 per cut charge

RETURNED GOODS POLICY

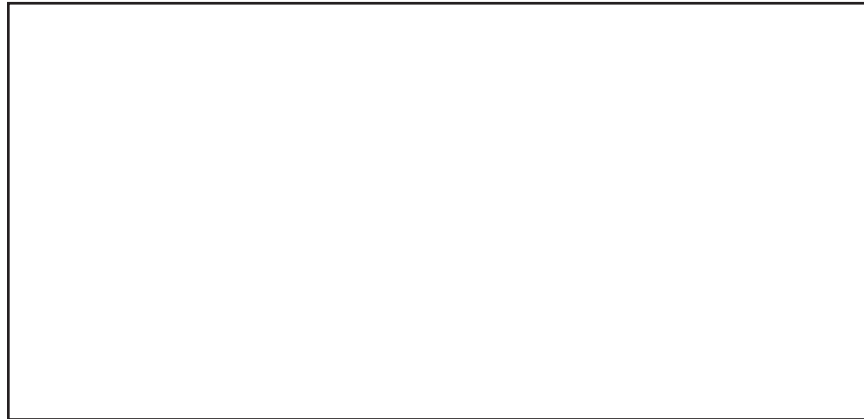
1. Permission to return goods must be requested in written form via email, fax or mail. The request must identify original shipment of material by invoice number and date of invoice, and list all goods to be returned.
2. All pipe, any non-standard items, special order items, sinks, tanks, "Standard Line" products, all PVDF product, expansion joints, 8"-10"-12" fittings, electrofusion equipment, socket fusion tools, accessories and specially manufactured items are sold non-cancelable and non-returnable. No credit will be issued upon their return.
3. All pipe and those fittings so marked (*) on price sheets are non-returnable and no credit will be issued upon their return.
4. FloSafe's Containment Pipe and Fittings (FloSafe B&G) are Non-Returnable.
5. Goods must be returned within one year after purchase in order to receive credit.
6. Only 10% of any invoice total (not including the pricing for pipe) can be returned for credit.
7. All goods must be returned "prepaid." For any goods purchased on an FFA basis, outgoing freight charges will be deducted from total credit amount.
8. All goods returned must be in a pristine and resalable condition. All returns are subject to our inspection. Any product that is determined, in our sole judgment, to be not in a resalable condition will be either disposed of by Orion, or returned freight collect to the purchaser. In either event no credit will be given.
9. A restocking charge of 25% will be charged against all returned goods, except Whiteline materials, for which the charge will be 35%. If goods are returned in a non-pristine condition and need special cleaning to allow them to be resold a 40% restock will apply to the entire returned shipment.
10. All goods returned must have Orion's Return Authorization Number on boxes or cartons, and must freight prepaid. If not, they will be refused at our dock.
11. All credit memos issued may be applied to current account balances, or to future purchases. No cash refunds will be issued.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE. POSSESSION OF THIS PRICE LIST SHALL NOT BE CONSTRUED AS AN OFFER TO SELL TO THE BEARER.



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