



ADRITEC
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1 MICRO IRRIGATION



Micro Irrigation Irrigation Tubing

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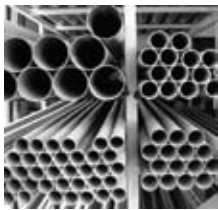
1a1- PVC Pipes

1a2- HDPE Pipes

1a3- LDPE Adripipe

1a4- Lay Flat Pipes

PVC pipes are used for the Underground water feeding and distribution networks for sprinkler and drip irrigation systems, potable water supply, drainage systems, domestic plumbing, in addition to different other applications. PVC pipes are produced in grey color according to DIN 8061/62 standards with diameter range from 32mm up to 160mm or more. The standard pipe length is 6 meters. All PVC pipes supplied are solvent welding joint socket type or rubber joint socket type. Different pressure ratings are available depending on application.



U-PVC Pressure Pipe Specification according to DIN 8061/62

Code	Nominal size mm	Pressure Rating	S mm	WT Kg / Mt	Code	Nominal size mm	Pressure Rating	S mm	WT Kg / Mt
1 A 1 P V C P 1 0 0 3 2	32	PN 10.0	1.8	0.264	1 A 1 P V C P 0 4 0 9 0	90	PN 4.0	1.8	0.774
1 A 1 P V C P 1 6 0 3 2		PN 16.0	2.4	0.342	1 A 1 P V C P 0 6 0 9 0		PN 6.0	2.7	1.130
1 A 1 P V C P 0 6 0 4 0	40	PN 6.0	1.8	0.334	1 A 1 P V C P 1 0 0 9 0		PN 10.0	4.3	1.750
1 A 1 P V C P 1 0 0 4 0		PN 10.0	2.0	0.350	1 A 1 P V C P 1 6 0 9 0		PN 16.0	6.7	2.610
1 A 1 P V C P 1 6 0 4 0		PN 16.0	3.0	0.525	1 A 1 P V C P 0 4 1 1 0	110	PN 4.0	2.2	1.160
1 A 1 P V C P 0 6 0 5 0	50	PN 6.0	1.8	0.422	1 A 1 P V C P 0 6 1 1 0		PN 6.0	3.3	1.640
1 A 1 P V C P 1 0 0 5 0		PN 10.0	2.4	0.522	1 A 1 P V C P 1 0 1 1 0		PN 10.0	5.3	2.610
1 A 1 P V C P 1 6 0 5 0		PN 16.0	3.7	0.809	1 A 1 P V C P 1 6 1 1 0		PN 16.0	8.2	3.900
1 A 1 P V C P 0 6 0 6 3		63	PN 6.0	1.9	0.562	1 A 1 P V C P 0 4 1 2 5	125	PN 4.0	2.5
1 A 1 P V C P 1 0 0 6 3	PN 10.0		3.0	0.854	1 A 1 P V C P 0 6 1 2 5	PN 6.0		3.7	2.130
1 A 1 P V C P 1 6 0 6 3	PN 16.0		4.7	1.290	1 A 1 P V C P 1 0 1 2 5	PN 10.0		6.0	3.344
1 A 1 P V C P 0 4 0 7 5	75	PN 4.0	1.8	0.642	1 A 1 P V C P 1 6 1 2 5	PN 16.0		9.3	5.010
1 A 1 P V C P 0 6 0 7 5		PN 6.0	2.2	0.782	1 A 1 P V C P 0 4 1 4 0	140	PN 4.0	2.8	1.840
1 A 1 P V C P 1 0 0 7 5		PN 10.0	3.6	1.220	1 A 1 P V C P 0 6 1 4 0		PN 6.0	4.1	2.650
1 A 1 P V C P 1 6 0 7 5		PN 16.0	5.6	1.820	1 A 1 P V C P 1 0 1 4 0		PN 10.0	6.7	4.180
					PN 16.0		10.4	6.270	
					1 A 1 P V C P 1 6 1 4 0	160	PN 4.0	3.2	2.410
					1 A 1 P V C P 0 4 1 6 0		PN 6.0	4.7	3.440
					1 A 1 P V C P 0 6 1 6 0		PN 10.0	7.7	5.470
					1 A 1 P V C P 1 0 1 6 0		PN 16.0	11.9	8.170

Note: All standard dimensions are available, any other size that is not listed in the above table can be supplied upon request

HDPE Pipes are used for water feeding and distribution networks in sprinkler and drip irrigation systems. It is produced from PE 80 or PE 100 HDPE pipe grade material. HDPE pipes are produced in black color for irrigation water, blue color for potable water, and purple color for treated water. All HDPE Pipes are UV stabilized produced according to DIN 8074 standards. The range of diameters available starts from 16 mm up to 500 mm.

HDPE Pressure Pipe PE80 Specification according to DIN 8074/8075



Code	Nominal size mm	Pressure Rating	S mm	WT Kg / Mt
1 A 2 HD P P 1 2 0 1 6	16	PN 12.5	1.8	0.084
1 A 2 HD P P 1 6 0 1 6		PN 16.0	2.2	0.099
1 A 2 HD P P 1 0 0 2 0	20	PN 10.0	1.9	0.112
1 A 2 HD P P 1 2 0 2 0		PN 12.5	2.3	0.133
1 A 2 HD P P 1 6 0 2 0	25	PN 16.0	2.8	0.154
1 A 2 HD P P 1 0 0 2 5		PN 10.0	2.3	0.171
1 A 2 HD P P 1 2 0 2 5	32	PN 12.5	2.8	0.200
1 A 2 HD P P 1 6 0 2 5		PN 16.0	3.5	0.240
1 A 2 HD P P 0 6 0 3 2	32	PN 6.0	1.8	0.179
1 A 2 HD P P 1 0 0 3 2		PN 10.0	2.9	0.272
1 A 2 HD P P 1 2 0 3 2		PN 12.5	3.6	0.327
1 A 2 HD P P 1 6 0 3 2	40	PN 16.0	4.4	0.386
1 A 2 HD P P 0 4 0 4 0		PN 4.0	1.8	0.227
1 A 2 HD P P 0 6 0 4 0		PN 6.0	2.3	0.285
1 A 2 HD P P 1 0 0 4 0		PN 10.0	3.7	0.430
1 A 2 HD P P 1 2 0 4 0	50	PN 12.5	4.5	0.509
1 A 2 HD P P 1 6 0 4 0		PN 16.0	5.5	0.600
1 A 2 HD P P 0 3 0 5 0		PN 3.2	1.8	0.287
1 A 2 HD P P 0 4 0 5 0		PN 4.0	2.0	0.314
1 A 2 HD P P 0 6 0 5 0	63	PN 6.0	2.9	0.440
1 A 2 HD P P 1 0 0 5 0		PN 10.0	4.6	0.666
1 A 2 HD P P 1 2 0 5 0		PN 12.5	5.6	0.788
1 A 2 HD P P 1 6 0 5 0		PN 16.0	6.9	0.936
1 A 2 HD P P 0 3 0 6 3	63	PN 3.2	2.0	0.399
1 A 2 HD P P 0 4 0 6 3		PN 4.0	2.5	0.494
1 A 2 HD P P 0 6 0 6 3		PN 6.0	3.6	0.688
1 A 2 HD P P 1 0 0 6 3		PN 10.0	5.8	1.050
1 A 2 HD P P 1 2 0 6 3		PN 12.5	7.1	1.260
1 A 2 HD P P 1 6 0 6 3		PN 16.0	8.6	1.470

Code	Nominal size mm	Pressure Rating	S mm	WT Kg / Mt
1 A 2 HD P P 0 3 0 7 5	75	PN 3.2	2.3	0.551
1 A 2 HD P P 0 4 0 7 5		PN 4.0	2.9	0.675
1 A 2 HD P P 0 6 0 7 5		PN 6.0	4.3	0.966
1 A 2 HD P P 1 0 0 7 5		PN 10.0	6.8	1.470
1 A 2 HD P P 1 2 0 7 5		PN 12.5	8.4	1.760
1 A 2 HD P P 1 6 0 7 5		PN 16.0	10.3	2.090
1 A 2 HD P P 0 3 0 9 0	90	PN 3.2	2.8	0.791
1 A 2 HD P P 0 4 0 9 0		PN 4.0	3.5	0.978
1 A 2 HD P P 0 6 0 9 0		PN 6.0	5.1	1.390
1 A 2 HD P P 1 0 0 9 0		PN 10.0	8.2	2.120
1 A 2 HD P P 1 2 0 9 0	110	PN 12.5	10.1	2.540
1 A 2 HD P P 1 6 0 9 0		PN 16.0	12.3	3.000
1 A 2 HD P P 0 3 1 1 0		PN 3.2	3.4	1.170
1 A 2 HD P P 0 4 1 1 0		PN 4.0	4.2	1.430
1 A 2 HD P P 0 6 1 1 0	110	PN 6.0	6.3	2.080
1 A 2 HD P P 1 0 1 1 0		PN 10.0	10.0	3.140
1 A 2 HD P P 1 2 1 1 0		PN 12.5	12.3	3.780
1 A 2 HD P P 1 6 1 1 0	125	PN 16.0	15.1	4.490
1 A 2 HD P P 0 3 1 2 5		PN 3.2	3.9	1.510
1 A 2 HD P P 0 4 1 2 5		PN 4.0	4.8	1.840
1 A 2 HD P P 0 6 1 2 5		PN 6.0	7.1	2.660
1 A 2 HD P P 1 0 1 2 5	140	PN 10.0	11.4	4.080
1 A 2 HD P P 1 2 1 2 5		PN 12.5	14.0	4.870
1 A 2 HD P P 1 6 1 2 5		PN 16.0	17.1	5.770
1 A 2 HD P P 0 3 1 4 0		140	PN 3.2	4.3
1 A 2 HD P P 0 4 1 4 0	PN 4.0		5.4	2.320
1 A 2 HD P P 0 6 1 4 0	PN 6.0		8.0	3.340
1 A 2 HD P P 1 0 1 4 0	PN 10.0		12.7	5.080
1 A 2 HD P P 1 2 1 4 0	160	PN 12.5	15.7	6.110
1 A 2 HD P P 1 6 1 4 0		PN 16.0	19.2	7.250
1 A 2 HD P P 0 3 1 6 0		PN 3.2	4.9	2.420
1 A 2 HD P P 0 4 1 6 0		PN 4.0	6.2	3.040
1 A 2 HD P P 0 6 1 6 0	160	PN 6.0	9.1	4.350
1 A 2 HD P P 1 0 1 6 0		PN 10.0	14.6	6.670
1 A 2 HD P P 1 2 1 6 0		PN 12.5	17.9	7.960
1 A 2 HD P P 1 6 1 6 0		PN 16.0	21.9	9.440

Note: HDPE PE80 grade - Minimum required strength (MRS 8) Design Stress (SIGMA 5.0) - S is wall Thickness in mm, WT is weight in kg / mt.

Adripipe plain irrigation high pressure pipes are used as lateral lines in drip irrigation systems, mainly in applications using the on-line emitters & bubblers. Manufactured from extrusion grade materials the pipes are produced in black color for irrigation water, blue for potable water and purple for treated water. Available in three different outer diameters of 12mm, 16mm, 20mm and 25mm in a wide range of wall thicknesses; 12 mm OD pipe with wall thickness of 0.70mm - 1.50mm, the 16 mm OD pipe with a wall thickness of 0.70mm - 1.50 mm and the 20 mm OD pipe with a wall thickness of 1.00mm -1.80mm and the 25mm OD pipe with a wall thickness of 1.2 - 1.8mm. Pressure rating at 20 Celsius Degree is 3.0 - 4.2 bar according to the wall thickness.

Code	Nominal size mm	S mm
1 A 3 L D P T 0 7 0 1 2	12 mm	0.70
1 A 3 L D P T 0 8 0 1 2		0.80
1 A 3 L D P T 0 9 0 1 2		0.90
1 A 3 L D P T 1 0 0 1 2		1.00
1 A 3 L D P T 1 2 0 1 2		1.20
1 A 3 L D P T 1 5 0 1 2		1.50
1 A 3 L D P T 0 7 0 1 6	16 mm	0.70
1 A 3 L D P T 0 8 0 1 6		0.80
1 A 3 L D P T 0 9 0 1 6		0.90
1 A 3 L D P T 1 0 0 1 6		1.00
1 A 3 L D P T 1 2 0 1 6		1.20
1 A 3 L D P T 1 5 0 1 6		1.50
1 A 3 L D P T 1 0 0 2 0	20 mm	1.00
1 A 3 L D P T 1 2 0 2 0		1.20
1 A 3 L D P T 1 3 0 2 0		1.30
1 A 3 L D P T 1 5 0 2 0		1.50
1 A 3 L D P T 1 8 0 2 0		1.80
1 A 3 L D P T 1 2 0 2 5	25 mm	1.20
1 A 3 L D P T 1 3 0 2 5		1.30
1 A 3 L D P T 1 5 0 2 5		1.50
1 A 3 L D P T 1 8 0 2 5		1.80



Micro tubes are produced from either PVC or LDPE grade materials and are used to connect lateral PE tubes to on-line emitters, with distributors and micro stakes. They are also used as a long path emitter to deliver different flows at the same pressure according to tube length. The micro tubes come in rolls of 500 and 1000 meters.

Code	Nominal Size mm	S mm
1 A 3 M T L D 0 6 0 1 0	6.00	1.00
1 A 3 M T L D 0 5 8 0 9	5.80	0.90
1 A 3 M T L D 0 5 6 0 8	5.60	0.80
1 A 3 M T L D 0 5 3 0 7	5.30	0.70
1 A 3 M T L D 0 5 1 0 6	5.10	0.60



The Lay Flat hose are light in weight, easy for transportation and storage, flexible easy to wind / unwind, and are unlimited in length. They are made of high-strength polyester cotton yarn, with PVC inside and outside lining. They are produced from environmentally friendly raw materials and are UV resistant with a working temperature range from -10° to +60° C. Widely used in water transportation, portable sprinkler irrigation system, drip irrigation systems, agricultural farming and all construction work.



Code	Size Inch	Inner Diameter mm	Bar	Kg / m
1 A 4 L F P V 0 2 0 1 0	1"	25.40	2.0	0.120
1 A 4 L F P V 0 3 0 1 0			3.0	0.130
1 A 4 L F P V 0 4 0 1 0			4.0	0.140
1 A 4 L F P V 0 6 0 1 0			6.0	0.156
1 A 4 L F P V 0 8 0 1 0			8.0	0.170
1 A 4 L F P V 1 0 0 1 0			10.0	0.185
1 A 4 L F P V 0 2 0 1 4	1 1/4"	31.60	2.0	0.140
1 A 4 L F P V 0 3 0 1 4			3.0	0.150
1 A 4 L F P V 0 4 0 1 4			4.0	0.175
1 A 4 L F P V 0 6 0 1 4			6.0	0.195
1 A 4 L F P V 0 8 0 1 4			8.0	0.210
1 A 4 L F P V 1 0 0 1 4			10.0	0.230
1 A 4 L F P V 0 2 0 1 2	1 1/2"	38.00	2.0	0.180
1 A 4 L F P V 0 3 0 1 2			3.0	0.200
1 A 4 L F P V 0 4 0 1 2			4.0	0.240
1 A 4 L F P V 0 6 0 1 2			6.0	0.270
1 A 4 L F P V 0 8 0 1 2			8.0	0.300
1 A 4 L F P V 1 0 0 1 2			10.0	0.320
1 A 4 L F P V 0 2 0 2 0	2"	50.30	2.0	0.240
1 A 4 L F P V 0 3 0 2 0			3.0	0.300
1 A 4 L F P V 0 4 0 2 0			4.0	0.350
1 A 4 L F P V 0 6 0 2 0			6.0	0.370
1 A 4 L F P V 0 8 0 2 0			8.0	0.390
1 A 4 L F P V 1 0 0 2 0			10.0	0.420
1 A 4 L F P V 0 2 0 2 2	2 1/2"	63.50	2.0	0.320
1 A 4 L F P V 0 3 0 2 2			3.0	0.380
1 A 4 L F P V 0 4 0 2 2			4.0	0.450
1 A 4 L F P V 0 6 0 2 2			6.0	0.480
1 A 4 L F P V 0 8 0 2 2			8.0	0.520
1 A 4 L F P V 1 0 0 2 2			10.0	0.550

Code	Size Inch	Inner Diameter mm	Bar	Kg / m
1 A 4 L F P V 0 2 0 3 0	3"	78.20	2.0	0.380
1 A 4 L F P V 0 3 0 3 0			3.0	0.470
1 A 4 L F P V 0 4 0 3 0			4.0	0.570
1 A 4 L F P V 0 6 0 3 0			6.0	0.630
1 A 4 L F P V 0 8 0 3 0			8.0	0.690
1 A 4 L F P V 0 2 0 4 0			4"	101.60
1 A 4 L F P V 0 3 0 4 0	3.0	0.580		
1 A 4 L F P V 0 4 0 4 0	4.0	0.720		
1 A 4 L F P V 0 6 0 4 0	6.0	0.800		
1 A 4 L F P V 0 8 0 4 0	5"	127.00	8.0	0.900
1 A 4 L F P V 0 2 0 5 0			2.0	0.750
1 A 4 L F P V 0 3 0 5 0			3.0	0.850
1 A 4 L F P V 0 4 0 5 0			4.0	0.950
1 A 4 L F P V 0 6 0 5 0			6.0	1.100
1 A 4 L F P V 0 8 0 5 0			8.0	1.200
1 A 4 L F P V 0 2 0 6 0	6"	152.40	2.0	0.900
1 A 4 L F P V 0 3 0 6 0			3.0	1.050
1 A 4 L F P V 0 4 0 6 0			4.0	1.200
1 A 4 L F P V 0 6 0 6 0			6.0	1.400
1 A 4 L F P V 0 2 0 8 0	8"	203.20	2.0	1.450
1 A 4 L F P V 0 3 0 8 0			3.0	1.550
1 A 4 L F P V 0 4 0 8 0			4.0	1.700
1 A 4 L F P V 0 6 0 8 0			6.0	1.900
1 A 4 L F P V 0 2 1 0 0	10"	254.00	2.0	2.300
1 A 4 L F P V 0 3 1 0 0			3.0	2.500