

PLASTIC INDUSTRIES



ZIRCU

زركو للصناعات البلاستيكية  
Zircu Plastic Industries



ISO 9001 : 2000

039

Administration & Sales: Tel: +971 3 7666 870 – Fax: +971 3 7666 443 - P.O.Box 16847

Khalifa Street – Al Ain – United Arab Emirates

Factory: Tel: +971 3 78253707213386/7212322/ – Fax: +971 3 78253907218258/7212388/

P.O.Box 16847 – Al Ain Industrial Area – United Arab Emirates

E-mail: zircu@zircu.ae , sales1@zircu.ae

www.zircu.com





## INTRODUCTION

ZIRCU plastic industries is a group of plastic factories located in Al Ain city-United Arab Emirates and at El Nobaria industrial city Cairo-Egypt with a surface area of more than 116,600 sq.m, and more than 250 employees including technical and administration staffs.

Being an ISO 9001:2000 certified company, Zircu plastic industries is committed to continual improvement of their products and services to cover all needs of construction and agriculture contractor with full range of products of high quality control and assurance which comply with national and international standards.

Zircu plastic industries use the most advanced , sophisticated , and up to date plastic machines and facilities in order to meet with our esteemed customer's needs and satisfaction. For that we have established long term agreements with local laboratories of excellent national and international reputation in the field of quality control of plastic products in order to meet our commitments for high quality control, continuous products improvement.

Zircu plastic industries have a wide range of products which covers all needs of construction, agricultural and everyday life requirements.

Zircu plastic products include : PVC pipes and fittings of sizes range from 20mm up to 630mm O.D. Irrigation PE pipes and fittings, PP-R pipes and fittings, and heavy duty construction and agriculture PE sheets.

This is in addition to various household items, and plastic crates of different sizes and shapes used for packing of vegetables, fruits, chickens.....etc



## POLYTHENE PIPE

British Standard Specification (BS 1972 : 67)



Nominal size	Outside Diameter  Min.      Max.		WALL THICKNESS					
			CLASS    B		CLASS    C		CLASS    D	
			min.	max	min.	max.	min.	max.
In	mm	mm	mm	mm	mm	mm	mm	mm
½	21.1	21.5	-	-	2.7	3.0	3.4	3.7
¾	26.6	26.9	2.3	2.6	3.4	3.7	4.3	4.7
1	33.4	33.7	3.0	3.3	4.2	4.6		
1 1/4	42.1	2.5	3.7	4.1	5.3	5.8		
1½	48.1	48.5	4.3	1.7	6.1	6.7		
2	60.1	60.6	5.3	5.8	7.6	8.4		
3	88.6	89.3	7.8	8.6	11.2	12.3		

Maximum recommended working pressure (based on water temperature of 20°C)

Class B = 6.1 kgf/cm<sup>2</sup> (0.60MN/m<sup>2</sup> : 200 ft hd : 86.7 ibf/in<sup>2</sup>)

Class C = 9.1 kgf/cm<sup>2</sup> (0.89MN/m<sup>2</sup> : 300 ft hd : 130 ibf/in<sup>2</sup>)

Class D = 12.0 kgf/cm<sup>2</sup> (1.20MN/m<sup>2</sup> : 400 ft hd : 173 ibf/in<sup>2</sup>)

Standard Coils 100, 150, 250 & 500 m. Special length coils can be supplied by arrangement.

We also specialize in the manufacture of NORMAL GAUGE POLYTHENE PIPE TO BS 1972:61

## Irrigation Valve Boxes

### Primary Application:

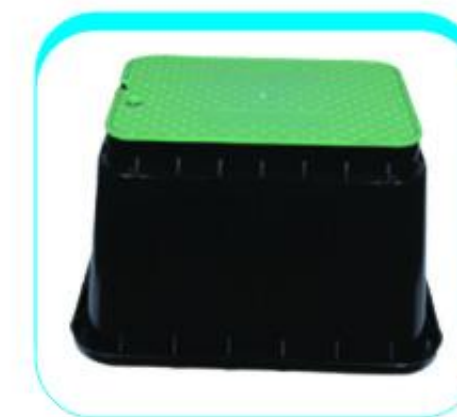
Protects in-ground Irrigation valves Also functions as a durable. Rigid enclosure that provides easy access to valves for maintenance. Used in turf application to house single valves or other subsurface components of an irrigation system.

### Features:

- Body & cover are made of injection grade High Density Polyethylene (HDPE) with ultra violet additives.
- UV stable for longer field life.
- Light weight: easy transport, storage, and handling.
- Heavy Duty: Break and chemical resistant.
- Two molded side opening accommodate up to 2" diameter pipe.
- Cover marking: Irrigation Control Valve ( both in English & Arabic ).

### Models & Dimensions:

- 9" Round Valve Box:
- Top Diameter x Height x Bottom Diameter
- (22.5 x 25.5 x 28.5 cm)
- Rectangular Valve Box
- Dimensions: 40 x 27.5 x 33 cm ( L x W x H )





Pop-Up

رشاش غاطس

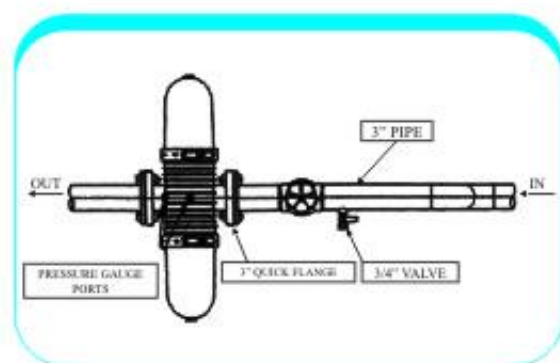
Description	Code No.
Pop-up spray sprinkler fixed nozzle	1291
Pop up spray sprinkler adjustable nozzle	1292



TWINS PLASTIC DISC FILTER

بلاستيك دسك فلتر مزدوج

Description	Code No.
3 Plastic Disc Filter	1293
4 Plastic Disc Filter	1294



## LINEAR LOW DENSITY POLY TUBING

ZIRCU manufactures a full range of high quality Linear Low Density Poly Tubing to both ASTM and Australian standards. These standards cover the widely accepted operating parameters of micro irrigation system suitable to all climates throughout the world.

The tubing is made from the highest quality linear low density polyethylene (LLDPE) resin to give extra strength and durability. The raw material used in tube is specially formulated for use in drip irrigation tubing where high temperatures in the field are common. The tubing has excellent outdoor weather resistance with a minimum of 2.5% carbon black incorporated into the product.

## AUSTRALIAN SPECIFICATION

## AUSTRALIAN STANDARD TUBING

Manufactured to AUST STD 2698.1 - 1984 TYPE 30

Nominal inside Diameter		Minimum inside Diameter		Minimal Wall Thickness		Minimal Working Pressure		Coil Size
In	mm	In	mm	In	mm	Ber	Psi	
1/2	13	0.50	12.70	0.047	1.2	3	45	250m
1/2	13	0.51	13	0.0587	1.5	3	45	250m
1/2	16	0.62	15.80	0.047	1.2	3	45	250m
3/4	19	0.74	18.90	0.051	1.3	3	45	250m
1	25	1.00	25.20	0.059	1.5	3	45	250m
1 1/4	32	1.24	31.50	0.078	2.0	3	45	250m

ZIRCU Plastic drip tube is tested to withstand a long term hydrostatic test pressure of 10 bars (150psi) in accordance with the Australian standard. The tubing will suit most design applications and provides a good seal around emitter, jets or takeoff barbs.

A full range of fittings and accessories are available to suit the tube.



**NORMAL GAUGE  
LOW DENSITY POLYTHENE PIPE (TYPE 245)  
for cold water services  
BS 1972:62 incorporating amendment No.1:63**

code	Nominal size	Outside diameter		Wall thickness	
		Min.	Max.	Min.	Max.
	in	in	in	in	in
PEN	½	0.667	0.682	0.091	0.102
PEN	¾	0.982	1.000	0.122	0.137
PEN	1	1.230	1.250	0.122	0.137
PEN	1¼	1.477	1.500	0.122	0.137
PEN	1½	1.725	1.750	0.137	0.154
PEN	2	2.363	2.395	0.183	0.205

**MAXIMUM WORKING PRESSURE AT 20 °C**

in	ib/in2	ft head	kg/cm2
½	130	300	9.1
¾	115	265	8.0
1	90	210	6.3
1¼	75	172	5.0
1½	70	160	4.9
2	70	160	4.9

## DRIPPER

## منقطات

Description	Code No.
Adjustable dripper single outlet 0-100 l/h	1277
Adjustable dripper double out let 0-100 l/h	1278
Adjustable dripper with out cup 0-100 l/h	1279



## DRIPPER

## منقطات

Description	Code No.
Z - 2 Dripper 8 l/h short	1280
Z - 2 Dripper 4 l/h	1281
Z - 2 Zircu Dripper 4 l/h long	1282
Z - 2 Zircu Dripper 8 l/h long	1283
Turbo Key Dripper 8 l/h	1284
Turbo Key Dripper 4 l/h	1285



## BUNCH

## خرامة هوز

Description
For 13 - 16 mm PE Tube





## ADJUSTABLE FLOOD BUBBLER

Description	Code No
Adjustable Flood Bubbler with screw in side	1286
Adjustable Flood Bubbler with screw out side	1287

STAKE  
حامل ببلر

Description	Code No
Stke 13 mm in let on top	1288
Stke 13 mm in let on the middle	1289

SPRINKLER  
رشاش دائري

Description	Code No
Plastic sprinkler with copper parts 3/4"	1290

AMERICAN SPECIFICATIONS  
AMERICAN STANDARD MANUFACTURED TO ASAE SPECIFICATIONS  
ASAE S435 (American Society of Agricultural Engineers)

Nominal inside Diameter		Average inside Diameter		Minimal Wall Thickness		Nominal Working Pressure	
In	mm	In	mm	In	mm	Bar	Psi
1/2	13	0.617	15.67	0.044	1.12	69	4.8
1/2	15	0.707	17.96	0.049	1.24	67	4.6
1/2	16	0.713	18.11	0.042	1.07	57	3.9
3/4	18	0.823	20.90	0.047	1.19	55	3.8
3/4	21	0.923	23.44	0.052	1.32	54	3.7
1	27	1.180	30.02	0.062	1.57	50	3.4

All sizes of the above tubing are suitable for Outside Diameter compression fittings (grip outside of tubing only). Sizes 15.16 and 18 mm can use Drip Loc TM or Loc-Eze TM fittings (grip inside and outside of the irrigation tubing) as well as compression fittings.

Other sizes 13.21 and 27 mm use standard compression fittings only.

Custom sized tubing can be produced on request.

The compound used in the above tube meets the requirement of ASTM D 1248-8 1 a specifications for Polyethylene Molding Extrusion compounds which gives high burst pressure and excellent environment stress crack resistance.





## SADDLE CLAMP

ركابات

Description	Code No.
20 x 1/2"	1001
25 x 1/2"	1002
25 x 3/4"	1003
32 x 1/2"	1004
32 x 3/4"	1005
32 x 1"	1006
40 x 1/2"	1007
40 x 3/4"	1008
40 x 1"	1009
50 x 1/2"	1010
50 x 3/4"	1011
50 x 1"	1012
50 x 1 1/2"	1013
63 x 1/2"	1014
63 x 3/4"	1015
63 x 1"	1016
63 x 1 1/2"	1017
63 x 2"	1018
75 x 1/2"	1019
75 x 3/4"	1020
75 x 1"	1021
75 x 1 1/2"	1022
75 x 2"	1023
75 x 2 1/2"	1024
90 x 1/2"	1025
90 x 3/4"	1026
90 x 1"	1027
90 x 1 1/2"	1028
90 x 2"	1029
90 x 2 1/2"	1030
90 x 3"	1031
110 x 1/2"	1032
110 x 3/4"	1033
110 x 1"	1034
110 x 1 1/2"	1035
110 x 2"	1036
110 x 2 1/2"	1037
110 x 3"	1038
110 x 4"	1039
125 x 1/2"	1040
125 x 3/4"	1041
125 x 1"	1042
125 x 1 1/2"	1043
125 x 2"	1044
125 x 2 1/2"	1045
125 x 3"	1046



Description	Code No.
125 x 4"	1047
160 x 1/2"	1048
160 x 3/4"	1049
160 x 1"	1050
160 x 1 1/2"	1051
160 x 2"	1052
160 x 2 1/2"	1053
160 x 3"	1054
160 x 4"	1055
200 x 1/2"	1056
200 x 3/4"	1057
200 x 1"	1058
200 x 1 1/2"	1059
200 x 2"	1060
200 x 2 1/2"	1061
200 x 4"	1062
225 x 1/2"	1063
225 x 3/4"	1064
225 x 1"	1065
225 x 1 1/2"	1066
225 x 2"	1067
225 x 2 1/2"	1068
225 x 3"	1069
225 x 4"	1070

## LOCKS JOINER

وصلة بحلقات

Description	Code No.
13 mm	1255
18 mm	1256



## LOCK TEE

مشارك بحلقات

Description	Code No.
16 mm	1257
18 mm	1258



## RUBBER GROMMET

ربر مانع التسرب

Description	Code No.
13 mm	1259
16 mm	1260
18 mm	1261
22 mm	1262



## TEE

مشتراك

Description	Code No.
16 mm	1234
18 mm	1244
22 mm	1245
25 mm	1246



## ELBOW 90°

كوع

Description	Code No.
16 mm	1247
18 mm	1248
22 mm	1249



## MALE ADAPTOR

بداية بسن خارجي

Description	Code No.
16 mm x 1/2	1250
18 mm x 1/2	1251
16 mm x 3/4	1252
18 mm x 3/4	1253
22 mm x 3/4	1254



## DOUBLE SADDLE CLAMP

ركابات مزدوجة



ملاحظة: في الركابات المزدوجة يمكن إختيار فتحات الخروج متماثلة أو مختلفة ضمن الجدول.

Description	Code No.
20 x 1/2	1071
25 x 1/2	1072
25 x 3/4	1073
32 x 1/2	1074
32 x 3/4	1075
32 x 1	1076
40 x 1/2	1077
40 x 3/4	1078
40 x 1	1079
50 x 1/2	1080
50 x 3/4	1081
50 x 1	1082
50 x 1 1/2	1083
63 x 1/2	1084
63 x 3/4	1085
63 x 1	1086
63 x 1 1/2	1087
63 x 2	1088
75 x 1/2	1089
75 x 3/4	1090
75 x 1	1091
75 x 1 1/2	1092
75 x 2	1093
75 x 2 1/2	1094
90 x 1/2	1095
90 x 3/4	1096
90 x 1	1097
90 x 1 1/2	1098
90 x 2	1099
90 x 2 1/2	1100
90 x 3	1101
110 x 1/2	1102
110 x 3/4	1103
110 x 1	1104
110 x 1 1/2	1105
110 x 2	1106
110 x 2 1/2	1107
110 x 3	1108
110 x 4	1109

Description	Code No.
125 x 1/2	1110
125 x 3/4	1111
125 x 1	1112
125 x 1 1/2	1113
125 x 2	1114
125 x 2 1/2	1115
125 x 3	1116
125 x 4	1117
160 x 1/2	1118
160 x 3/4	1119
160 x 1	1120
160 x 1 1/2	1121
160 x 2	1122
160 x 2 1/2	1123
160 x 3	1124
160 x 4	1125
200 x 1/2	1126
200 x 3/4	1127
200 x 1	1128
200 x 1 1/2	1129
200 x 2	1130
200 x 2 1/2	1131
200 x 4	1132
225 x 1/2	1133
225 x 3/4	1134
225 x 1	1135
225 x 1 1/2	1136
225 x 2	1137
225 x 2 1/2	1138
225 x 3	1139
225 x 4	1140



## COMPRESSION COUPLING

وصلة

Description	Code No.
25 x 25 mm	1183
32 x 32 mm	1184
40 x 40 mm	1185
50 x 50 mm	1186
63 x 63 mm	1187
75 x 75 mm	1188
90 x 90 mm	1189
110 x 110 mm	1190



## COMPRESSION END CAP (PLUG)

سدة نهاية خط

Description	Code No.
25 mm	1191
32 mm	1192
40 mm	1193
50 mm	1194
63 mm	1195
75 mm	1196
80 mm	1197
110 mm	1198



## COMPRESSION TEE 90°

مشتراك

Description	Code No.
25 x 25	1169
32 x 32	1170
40 x 40	1171
50 x 50	1172
63 x 63	1173
75 x 75	1174
90 x 90	1175
110 x 110	1176



## MALE THREADED ELBOW

كوع بسن

Description	Code No.
16 mm x 1/2	1273
16 mm x 3/4	1274
18 mm x 1/2	1275
18 mm x 3/4	1276



## NIPPLE FOR TANK

وصلة لأكور للخران

Description	Code No.
3/4	1233
1	1234
1 1/2	1235
2	1236



## CONNECTOR

وصلة

Description	Code No.
16 mm	1237
18 mm	1238
22 mm	1239
25 mm	1240
32 mm	1241
18 x 16 mm	1242





## END PLUG

سدة كبس

Description	Code No.
16 mm	1270
18 mm	1271
20 mm	1272



## DOUBLE EYE

سدة بحلقتين

Description	Code No.
16 mm	1263
18 mm	1264
20 mm	1265
22 mm	1266



## TAKE OFF GROMMET

جروميت

Description	Code No.
16 mm	1267
18 mm	1268
20 mm	1269



## COMPRESSION MALE ADAPTOR

بداية سن خارجي

Description	Code NO.
20 x 1/2	1141
25 x 1/2	1142
25 x 3/4	1143
2 x 1	1144
32 x 1/2	1145
32 x 3/4	1146
32 x 1	1147
40 x 1/2	1148
40 x 3/4	1149
40 x 1	1150
40 x 1 1/2	1151
50 x 1/2	1152
50 x 3/4	1153
50 x 1	1154
50 x 1 1/2	1155
50 x 2	1156
63 x 1/2	1157
63 x 3/4	1158
63 x 1	1159
63 x 1 1/2	1160
63 x 2	1161
75 x 1/2	1162
75 x 3/4	1163
75 x 1	1164
75 x 1 1/2	1165
75 x 2	1166
75 x 2 1/2	1167
75 x 3	1168



## COMPRESSION EQUAL ELBOW 90°

كوع

Description	Code NO.
25 x 25	1177
32 x 32	1178
40 x 40	1179
50 x 50	1180
63 x 63	1181
75 x 75	1182





## FEMALE THREADED-TEE

مشتراك بسن داخلي

Description	Code No.
3/4	1213
1	1214
1½	1215
2	1216



## FEMALE THREADED-ELBOW

كوع بسن داخلي

Description	Code No.
3/4	1217
1	1218
3/4	1219
2	1220
3/4 x 3/4 MF	1217 MF



## NIPPLE

نبل بسن خارجي

Description	Code No.
½	1221
3/4	1222
1	1223
1½	1224
2	1225
3/4 x ½	1226



## THREADED END CAP

سدة بسن داخلي

Description	Code No.
½	1199
3/4	1200
1	1201
1½	1202
2	1203
3	1204



## REDUCER BUSH

محول بسن داخلي وخارجي

Description	Code No.
½ x 3/4	1205
1 x 3/4	1206
1½ x 1	1207
2 x 1½	1208
2 x 1	1209
3 x 1	1210
3 x 1½	1211
3 x 2.	1212



## FEMALE SOCKET

جلبة بسن داخلي

Description	Code No.
½	1127
½ x 3/4	1228
3/4	1229
1	1230
1½	1231
2	1232





